Rings - 1 round

3v3

```
 \left(e^{3i\gamma}\left(\cos^3(\beta)-i\sin^3(\beta)\right)\left(e^{3i\gamma}\left(\cos^3(\beta)-i\sin^3(\beta)\right)+e^{-i\gamma}\left(-3\sin^2(\beta)\cos(\beta)+3i\sin(\beta)\cos^2(\beta)\right)\right)\right. \\ \left. + e^{-i\gamma}\left(-3\sin^2(\beta)\cos(\beta)+3i\sin(\beta)\cos^2(\beta)\right)\left(e^{3i\gamma}\left(-\sin^2(\beta)\cos(\beta)+i\sin(\beta)\cos^2(\beta)\right)\right) \\ \left. + e^{-i\gamma}\left(-i\sin^3(\beta)+\cos^3(\beta)+2i\sin(\beta)\cos^2(\beta)-2\sin^2(\beta)\cos(\beta)\right)\right)\right)\left(e^{-3i\gamma}\left(\cos^3(\beta)+i\sin^3(\beta)\right)\left(e^{-3i\gamma}\left(\cos^3(\beta)+i\sin^3(\beta)\right)+e^{i\gamma}\left(-3\sin^2(\beta)\cos(\beta)-3i\sin(\beta)\cos^2(\beta)\right)\right) \\ \left. + e^{i\gamma}\left(-3\sin^2(\beta)\cos(\beta)-3i\sin(\beta)\cos^2(\beta)\right)\left(e^{-3i\gamma}\left(-\sin^2(\beta)\cos(\beta)-i\sin(\beta)\cos^2(\beta)\right)\right) \\ \left. + e^{i\gamma}\left(i\sin^3(\beta)+\cos^3(\beta)-2i\sin(\beta)\cos^2(\beta)-2\sin^2(\beta)\cos(\beta)\right)\right)\right)
```

p = 0.99999999999957

3v1 2

```
 \begin{split} & \left(e^{3i\gamma}\left(-\sin^2(\beta)\cos(\beta) + i\sin(\beta)\cos^2(\beta)\right)\left(e^{3i\gamma}\left(\cos^3(\beta) - i\sin^3(\beta)\right) \right. \\ & + e^{-i\gamma}\left(-3\sin^2(\beta)\cos(\beta) + 3i\sin(\beta)\cos^2(\beta)\right)\right) + e^{-i\gamma}\left(-i\sin^3(\beta) + \cos^3(\beta) + 2i\sin(\beta)\cos^2(\beta) - 2\sin^2(\beta)\cos(\beta)\right) \left(e^{3i\gamma}\left(-\sin^2(\beta)\cos(\beta) + i\sin(\beta)\cos^2(\beta)\right) + e^{-i\gamma}\left(-i\sin^3(\beta) + \cos^3(\beta) + 2i\sin(\beta)\cos^2(\beta) - 2\sin^2(\beta)\cos(\beta)\right)\right) \left(e^{-3i\gamma}\left(-\sin^2(\beta)\cos(\beta) - i\sin(\beta)\cos^2(\beta)\right) \left(e^{-3i\gamma}\left(\cos^3(\beta) + i\sin^3(\beta)\right) + e^{i\gamma}\left(-3\sin^2(\beta)\cos(\beta) - 3i\sin(\beta)\cos^2(\beta)\right)\right) + e^{i\gamma}\left(i\sin^3(\beta) + \cos^3(\beta) - 2i\sin(\beta)\cos^2(\beta) - i\sin(\beta)\cos^2(\beta)\right) + e^{i\gamma}\left(i\sin^3(\beta) + \cos^3(\beta) - 2i\sin(\beta)\cos^2(\beta) - 2\sin^2(\beta)\cos(\beta)\right)\right) \end{split}
```

p = 0.99999999999936

4v4

```
 \left( -4\sin^2(\beta)\cos^2(\beta) \left( -2e^{-4i\gamma}\sin^2(\beta)\cos^2(\beta) - 2e^{4i\gamma}\sin^2(\beta)\cos^2(\beta) + \sin^4(\beta) + \cos^4(\beta) + 4i\sin(\beta)\cos^3(\beta) \right. \\ \left. - 2\sin^2(\beta)\cos^2(\beta) - 4i\sin^3(\beta)\cos(\beta) \right) - 2e^{-4i\gamma}\sin^2(\beta)\cos^2(\beta) \left( e^{-4i\gamma} \left( \sin^4(\beta) + \cos^4(\beta) \right) \right. \\ \left. - 2e^{4i\gamma}\sin^2(\beta)\cos^2(\beta) + 4i\sin(\beta)\cos^3(\beta) - 4\sin^2(\beta)\cos^2(\beta) - 4i\sin^3(\beta)\cos(\beta) \right) \\ \left. + \left( 4i\sin(\beta)\cos^3(\beta) - 4i\sin^3(\beta)\cos(\beta) \right) \left( e^{-4i\gamma} \left( i\sin(\beta)\cos^3(\beta) - i\sin^3(\beta)\cos(\beta) \right) \right. \\ \left. + \left( 4i\sin(\beta)\cos^3(\beta) - i\sin^3(\beta)\cos(\beta) \right) \left( e^{-4i\gamma} \left( i\sin(\beta)\cos^3(\beta) - i\sin^3(\beta)\cos(\beta) \right) \right. \\ \left. + \left( e^{4i\gamma} \left( i\sin(\beta)\cos^3(\beta) - i\sin^3(\beta)\cos(\beta) \right) \right) + \sin^4(\beta) + \cos^4(\beta) + 2i\sin(\beta)\cos^3(\beta) - 6\sin^2(\beta)\cos^2(\beta) \right. \\ \left. - 2i\sin^3(\beta)\cos(\beta) \right) + e^{4i\gamma} \left( \sin^4(\beta) + \cos^4(\beta) \right) \left( e^{4i\gamma} \left( \sin^4(\beta) + \cos^4(\beta) \right) - 2e^{-4i\gamma}\sin^2(\beta)\cos^2(\beta) \right. \\ \left. + 4i\sin(\beta)\cos^3(\beta) - 4\sin^2(\beta)\cos^2(\beta) - 4i\sin^3(\beta)\cos(\beta) \right) \right) \left( -4\sin^2(\beta)\cos^2(\beta) \left( -2e^{-4i\gamma}\sin^2(\beta)\cos^2(\beta) \right. \\ \left. - 2e^{4i\gamma}\sin^2(\beta)\cos^2(\beta) + \sin^4(\beta) + \cos^4(\beta) - 4i\sin(\beta)\cos^3(\beta) - 2\sin^2(\beta)\cos^2(\beta) + 4i\sin(\beta)\cos^3(\beta) \cos(\beta) \right. \\ \left. - 2e^{4i\gamma}\sin^2(\beta)\cos^2(\beta) \left( e^{4i\gamma} \left( \sin^4(\beta) + \cos^4(\beta) \right) - 2e^{-4i\gamma}\sin^2(\beta)\cos^2(\beta) - 4i\sin(\beta)\cos^3(\beta) - 4\sin^2(\beta)\cos^2(\beta) \right. \\ \left. + 4i\sin^3(\beta)\cos(\beta) \right) + \left( 4i\sin^3(\beta)\cos(\beta) - 4i\sin(\beta)\cos^3(\beta) \right) \left( e^{-4i\gamma} \left( i\sin^3(\beta)\cos(\beta) - i\sin(\beta)\cos^3(\beta) \right) + e^{4i\gamma} \left( i\sin^3(\beta)\cos(\beta) - i\sin(\beta)\cos^3(\beta) \right) + \sin^4(\beta) + \cos^4(\beta) - 2i\sin(\beta)\cos^3(\beta) \right. \\ \left. - 6\sin^2(\beta)\cos^2(\beta) + 2i\sin^3(\beta)\cos(\beta) \right) + e^{-4i\gamma} \left( \sin^4(\beta) + \cos^4(\beta) \right) \left( e^{-4i\gamma} \left( \sin^4(\beta) + \cos^4(\beta) \right) - 2e^{4i\gamma}\sin^2(\beta)\cos^2(\beta) - 4i\sin(\beta)\cos^3(\beta) \right) + e^{-4i\gamma} \sin^2(\beta)\cos^2(\beta) + 4i\sin^3(\beta)\cos(\beta) \right) \\ \left. - 2e^{4i\gamma}\sin^2(\beta)\cos^2(\beta) + 2i\sin(\beta)\cos^3(\beta) \right) + \sin^4(\beta) + \cos^4(\beta) \right) \left( e^{-4i\gamma} \left( i\sin^3(\beta)\cos(\beta) - i\sin(\beta)\cos^3(\beta) \right) + e^{-4i\gamma} \left( i\sin^3(\beta)\cos(\beta) - i\sin(\beta)\cos^3(\beta) \right) + e^{-4i\gamma} \left( i\sin^4(\beta) + \cos^4(\beta) \right) \right) \\ \left. - 2e^{4i\gamma}\sin^2(\beta)\cos^2(\beta) + 2i\sin(\beta)\cos^3(\beta) \right) + e^{-4i\gamma} \left( \sin^4(\beta) + \cos^4(\beta) \right) \left( e^{-4i\gamma} \left( \sin^4(\beta) + \cos^4(\beta) \right) - 2e^{4i\gamma} \sin^2(\beta)\cos^2(\beta) + 2i\sin(\beta)\cos^3(\beta) \right) + e^{-4i\gamma} \left( \sin^4(\beta) + \cos^4(\beta) \right) \left( e^{-4i\gamma} \left( \sin^4(\beta) + \cos^4(\beta) \right) \right) \\ \left. - 2e^{4i\gamma} \sin^2(\beta)\cos^2(\beta) - 4i\sin(\beta)\cos^3(\beta) \right) + e^{-4i\gamma} \left( \sin^4(\beta) + \cos^4(\beta) \right) \left( e^{-4i\gamma} \left( \sin^4(\beta) + \cos^4(\beta) \right) \right) \\ \left. - 2e^{4i\gamma} \sin^2(\beta)\cos^2(\beta) - 4i\sin(\beta)\cos^3(\beta) \right) + e^{-4i\gamma} \left( \sin^4(\beta) + \cos^4(\beta) \right) \left( e^{-4i\gamma} \left( \sin^4(\beta) + \cos^4(\beta) \right) \right) \\ \left. - 2e^{4i\gamma} \sin^2(\beta)\cos^2
```

p=0.9844057710087093

```
 \left( \left( 2i\cos^3(\beta)\sin(\beta) - 2i\cos(\beta)\sin^3(\beta) \right) \left( \cos^4(\beta) + 4i\sin(\beta)\cos^3(\beta) - 2e^{-4i\gamma}\sin^2(\beta)\cos^2(\beta) - 2e^{4i\gamma}\sin^2(\beta)\cos^2(\beta) - 2\sin^3(\beta)\cos^2(\beta) - 4i\sin^3(\beta)\cos(\beta) + \sin^4(\beta) \right) \right. \\ \left. + \left( \cos^4(\beta) - 6\sin^2(\beta)\cos^2(\beta) + \sin^4(\beta) \right) \left( \cos^4(\beta) + 2i\sin(\beta)\cos^3(\beta) - 6\sin^2(\beta)\cos^2(\beta) - 2i\sin^3(\beta)\cos(\beta) + \sin^4(\beta) + e^{-4i\gamma} \left( i\cos^3(\beta)\sin(\beta) - i\cos(\beta)\sin^3(\beta) \right) + e^{4i\gamma} \left( i\cos^3(\beta)\sin(\beta) - i\cos(\beta)\sin^3(\beta) \right) \right) \\ \left. + e^{-4i\gamma} \left( i\cos^3(\beta)\sin(\beta) - i\cos(\beta)\sin^3(\beta) \right) \left( 4i\sin(\beta)\cos^3(\beta) - 2e^{4i\gamma}\sin^2(\beta)\cos^2(\beta) - 4\sin^2(\beta)\cos^2(\beta) - 4\sin^2(\beta)\cos^2(\beta) - 4\sin^3(\beta)\cos(\beta) + e^{-4i\gamma} \left( i\cos^3(\beta)\sin(\beta) - 2e^{-4i\gamma}\sin^2(\beta)\cos^2(\beta) - 4\sin^2(\beta)\cos^2(\beta) - 4i\sin^3(\beta)\cos(\beta) + e^{4i\gamma} \left( \cos^3(\beta)\sin(\beta) \right) \right) \right) \\ \left. - i\cos(\beta)\sin^3(\beta) \left( 4i\sin(\beta)\cos^3(\beta) - 2e^{-4i\gamma}\sin^2(\beta)\cos^2(\beta) - 4\sin^2(\beta)\cos^2(\beta) - 4i\sin^3(\beta)\cos(\beta) + e^{4i\gamma} \left( \cos^4(\beta) + \sin^4(\beta) \right) \right) \right) \left( \left( 2i\cos(\beta)\sin^3(\beta) - 2i\cos^3(\beta)\sin(\beta) \right) \left( \cos^4(\beta) - 4i\sin(\beta)\cos^3(\beta) - 2e^{-4i\gamma}\sin^2(\beta)\cos^2(\beta) + 2i\sin^3(\beta)\cos(\beta) + e^{4i\gamma} \left( i\cos^4(\beta) - 6\sin^2(\beta)\cos^2(\beta) + 2i\sin^3(\beta)\cos^2(\beta) - 2e^{-4i\gamma}\sin^2(\beta)\cos^2(\beta) + 3i\sin^3(\beta)\cos(\beta) + e^{-4i\gamma} \left( i\cos(\beta)\sin^3(\beta) - i\cos^3(\beta)\sin(\beta) \right) + e^{4i\gamma} \left( i\cos(\beta)\sin^3(\beta) - i\cos^3(\beta)\sin(\beta) \right) \right) \\ \left. + e^{-4i\gamma} \left( i\cos(\beta)\sin^3(\beta) - i\cos^3(\beta)\sin(\beta) \right) \left( -4i\sin(\beta)\cos^3(\beta) - 2e^{4i\gamma}\sin^2(\beta)\cos^2(\beta) - 4\sin^2(\beta)\cos^2(\beta) - 4\sin^2(\beta)\cos^2(\beta) + 2i\sin^3(\beta)\cos(\beta) + e^{-4i\gamma} \left( i\cos(\beta)\sin^3(\beta) - i\cos^3(\beta)\sin(\beta) \right) \right) \right) \\ \left. + e^{-4i\gamma} \left( i\cos(\beta)\sin^3(\beta) - i\cos^3(\beta)\sin(\beta) \right) \left( -4i\sin(\beta)\cos^3(\beta) - 2e^{4i\gamma}\sin^2(\beta)\cos^2(\beta) - 4\sin^2(\beta)\cos^2(\beta) - 4\sin^2(\beta)\cos^2(\beta) + 2e^{-4i\gamma}\sin^2(\beta)\cos^2(\beta) + 2e^{-4i\gamma} \sin^2(\beta)\cos^2(\beta) + 2e^
```


4v2 2

```
 \begin{array}{l} \left(-2e^{-4i\gamma}\sin^2(\beta)\cos^2(\beta)\left(e^{-4i\gamma}\left(\sin^4(\beta)+\cos^4(\beta)\right)-2e^{4i\gamma}\sin^2(\beta)\cos^2(\beta)+4i\sin(\beta)\cos^3(\beta)\right. \\ \left.-4\sin^2(\beta)\cos^2(\beta)-4i\sin^3(\beta)\cos(\beta)\right)-2e^{4i\gamma}\sin^2(\beta)\cos^2(\beta)\left(e^{4i\gamma}\left(\sin^4(\beta)+\cos^4(\beta)\right)\right. \\ \left.-2e^{-4i\gamma}\sin^2(\beta)\cos^2(\beta)+4i\sin(\beta)\cos^3(\beta)-4\sin^2(\beta)\cos^2(\beta)-4i\sin^3(\beta)\cos(\beta)\right) \\ \left.+\left(\sin^4(\beta)+\cos^4(\beta)-2\sin^2(\beta)\cos^2(\beta)\right)\left(-2e^{-4i\gamma}\sin^2(\beta)\cos^2(\beta)-2e^{4i\gamma}\sin^2(\beta)\cos^2(\beta)\right. \\ \left.+\sin^4(\beta)+\cos^4(\beta)+4i\sin(\beta)\cos^3(\beta)-2\sin^2(\beta)\cos^2(\beta)-4i\sin^3(\beta)\cos(\beta)\right) \\ \left.+\left(4i\sin(\beta)\cos^3(\beta)-4i\sin^3(\beta)\cos(\beta)\right)\left(e^{-4i\gamma}\left(i\sin(\beta)\cos^3(\beta)-i\sin^3(\beta)\cos(\beta)\right)\right. \\ \left.+e^{4i\gamma}\left(i\sin(\beta)\cos^3(\beta)-i\sin^3(\beta)\cos(\beta)\right)+\sin^4(\beta)+\cos^4(\beta)+2i\sin(\beta)\cos^3(\beta)-6\sin^2(\beta)\cos^2(\beta)\right. \\ \left.-2i\sin^3(\beta)\cos(\beta)\right)\right)\left(-2e^{-4i\gamma}\sin^2(\beta)\cos^2(\beta)\left(e^{-4i\gamma}\left(\sin^4(\beta)+\cos^4(\beta)\right)-2e^{4i\gamma}\sin^2(\beta)\cos^2(\beta)\right. \\ \left.-4i\sin(\beta)\cos^3(\beta)-4\sin^2(\beta)\cos^2(\beta)+4i\sin^3(\beta)\cos(\beta)\right)-2e^{4i\gamma}\sin^2(\beta)\cos^2(\beta)\left(e^{4i\gamma}\left(\sin^4(\beta)+\cos^4(\beta)\right)-2e^{-4i\gamma}\sin^2(\beta)\cos^2(\beta)\right. \\ \left.-2e^{-4i\gamma}\sin^2(\beta)\cos^2(\beta)-4i\sin(\beta)\cos^3(\beta)-4\sin^2(\beta)\cos^2(\beta)+4i\sin^3(\beta)\cos(\beta)\right) \\ \left.+\left(\sin^4(\beta)+\cos^4(\beta)-2\sin^2(\beta)\cos^2(\beta)\right)\left(-2e^{-4i\gamma}\sin^2(\beta)\cos^2(\beta)-2e^{4i\gamma}\sin^2(\beta)\cos^2(\beta)\right. \\ \left.+\sin^4(\beta)+\cos^4(\beta)-4i\sin(\beta)\cos^3(\beta)-2\sin^2(\beta)\cos^2(\beta)+4i\sin^3(\beta)\cos(\beta)\right) +\left(4i\sin^3(\beta)\cos(\beta)-4i\sin(\beta)\cos^3(\beta)\right) \\ \left.-4i\sin(\beta)\cos^3(\beta)\right)\left(e^{-4i\gamma}\left(i\sin^3(\beta)\cos(\beta)-i\sin(\beta)\cos^3(\beta)\right)+e^{4i\gamma}\left(i\sin^3(\beta)\cos(\beta)-i\sin(\beta)\cos^3(\beta)\right) \\ \left.+\sin^4(\beta)+\cos^4(\beta)-2i\sin(\beta)\cos^3(\beta)-2\sin^2(\beta)\cos^2(\beta)+2i\sin^3(\beta)\cos(\beta)\right)\right) \\ \left.+\sin^4(\beta)+\cos^4(\beta)-2i\sin(\beta)\cos^3(\beta)-6\sin^2(\beta)\cos^2(\beta)+2i\sin^3(\beta)\cos(\beta)\right)\right) \\ \left.+\sin^4(\beta)+\cos^4(\beta)-2i\sin(\beta)\cos^3(\beta)-6\sin^2(\beta)\cos^2(\beta)+2i\sin^3(\beta)\cos(\beta)\right)\right)
```

4v1 1 1 1

```
 \left( -4\sin^2(\beta)\cos^2(\beta) \left( -2e^{-4i\gamma}\sin^2(\beta)\cos^2(\beta) - 2e^{4i\gamma}\sin^2(\beta)\cos^2(\beta) + \sin^4(\beta) + \cos^4(\beta) + 4i\sin(\beta)\cos^3(\beta) - 2\sin^2(\beta)\cos^2(\beta) - 4i\sin^3(\beta)\cos(\beta) \right) - 2e^{4i\gamma}\sin^2(\beta)\cos^2(\beta) \left( e^{4i\gamma} \left( \sin^4(\beta) + \cos^4(\beta) \right) - 2e^{-4i\gamma}\sin^2(\beta)\cos^2(\beta) + 4i\sin(\beta)\cos^3(\beta) - 4\sin^2(\beta)\cos^2(\beta) - 4i\sin^3(\beta)\cos(\beta) \right) + (4i\sin(\beta)\cos^3(\beta) - 4i\sin^3(\beta)\cos(\beta)) \left( e^{-4i\gamma} \left( i\sin(\beta)\cos^3(\beta) - i\sin^3(\beta)\cos(\beta) \right) + e^{4i\gamma} \left( i\sin(\beta)\cos^3(\beta) - i\sin^3(\beta)\cos(\beta) \right) + \sin^4(\beta) + \cos^4(\beta) + 2i\sin(\beta)\cos^3(\beta) - 6\sin^2(\beta)\cos^2(\beta) - 2i\sin^3(\beta)\cos(\beta) \right) + e^{-4i\gamma} \left( \sin^4(\beta) + \cos^4(\beta) \right) \left( e^{-4i\gamma} \left( \sin^4(\beta) + \cos^4(\beta) \right) - 2e^{4i\gamma}\sin^2(\beta)\cos^2(\beta) + 4i\sin(\beta)\cos^3(\beta) - 4\sin^2(\beta)\cos^2(\beta) - 4i\sin^3(\beta)\cos(\beta) \right) \right) \left( -4\sin^2(\beta)\cos^2(\beta) \left( -2e^{-4i\gamma}\sin^2(\beta)\cos^2(\beta) - 2e^{4i\gamma}\sin^2(\beta)\cos^2(\beta) + 4i\sin^3(\beta)\cos(\beta) \right) - 2e^{-4i\gamma}\sin^2(\beta)\cos^2(\beta) \left( e^{-4i\gamma} \left( \sin^4(\beta) + \cos^4(\beta) \right) - 2e^{4i\gamma}\sin^2(\beta)\cos^2(\beta) - 4i\sin(\beta)\cos^3(\beta) - 4\sin^2(\beta)\cos^2(\beta) + 4i\sin^3(\beta)\cos(\beta) \right) + 4i\sin^3(\beta)\cos(\beta) \right) + 4i\sin^3(\beta)\cos(\beta) + 4i\sin^3(\beta)\cos(\beta) - 4i\sin(\beta)\cos^3(\beta) - 4i\sin(\beta)\cos^3(\beta) - 4i\sin(\beta)\cos^3(\beta) - 4i\sin(\beta)\cos^3(\beta) + 4i\sin^3(\beta)\cos(\beta) + 4i\sin
```

```
\left(e^{-5i\gamma}\left(\cos^5(\beta) - i\sin^5(\beta)\right)\left(e^{3i\gamma}\left(5i\cos^2(\beta)\sin^3(\beta) - 5\cos^3(\beta)\sin^2(\beta)\right)\right)
+e^{-i\gamma}\left(-5i\sin(\beta)\cos^{4}(\beta)-5\sin^{2}(\beta)\cos^{3}(\beta)+5i\sin^{3}(\beta)\cos^{2}(\beta)+5\sin^{4}(\beta)\cos(\beta)\right)
+e^{-5i\gamma}\left(\cos^5(\beta)-i\sin^5(\beta)\right)
+e^{3i\gamma}\left(5i\cos^{2}(\beta)\sin^{3}(\beta)-5\cos^{3}(\beta)\sin^{2}(\beta)\right)\left(e^{-5i\gamma}\left(i\cos^{2}(\beta)\sin^{3}(\beta)-\cos^{3}(\beta)\sin^{2}(\beta)\right)\right)
+e^{-i\gamma}\left(-3i\sin(\beta)\cos^4(\beta)-7\sin^2(\beta)\cos^3(\beta)+7i\sin^3(\beta)\cos^2(\beta)+3\sin^4(\beta)\cos(\beta)\right)
+e^{3i\gamma}\left(\cos^{5}(\beta)-2i\sin(\beta)\cos^{4}(\beta)-2\sin^{2}(\beta)\cos^{3}(\beta)+2i\sin^{3}(\beta)\cos^{2}(\beta)+2\sin^{4}(\beta)\cos(\beta)-i\sin^{5}(\beta)\right)
+e^{-i\gamma}\left(5\cos(\beta)\sin^4(\beta)-5i\cos^4(\beta)\sin(\beta)\right)\left(e^{-5i\gamma}\left(\cos(\beta)\sin^4(\beta)-i\cos^4(\beta)\sin(\beta)\right)
+e^{3i\gamma}\left(-2i\sin(\beta)\cos^{4}(\beta)-3\sin^{2}(\beta)\cos^{3}(\beta)+3i\sin^{3}(\beta)\cos^{2}(\beta)+2\sin^{4}(\beta)\cos(\beta)\right)
+e^{-i\gamma}\left(\cos^{5}(\beta)-2i\sin(\beta)\cos^{4}(\beta)-7\sin^{2}(\beta)\cos^{3}(\beta)+7i\sin^{3}(\beta)\cos^{2}(\beta)+2\sin^{4}(\beta)\cos(\beta)-i\sin^{5}(\beta)\right)
+e^{-i\gamma} \left(5i\cos^2(\beta)\sin^3(\beta) - 5\cos^3(\beta)\sin^2(\beta)\right) \left(e^{-5i\gamma} \left(i\cos^2(\beta)\sin^3(\beta) - \cos^3(\beta)\sin^2(\beta)\right)\right)
+e^{3i\gamma}\left(-i\sin(\beta)\cos^4(\beta)-4\sin^2(\beta)\cos^3(\beta)+4i\sin^3(\beta)\cos^2(\beta)+\sin^4(\beta)\cos(\beta)\right)
+e^{-i\gamma}\left(\cos^{5}(\beta)-4i\sin(\beta)\cos^{4}(\beta)-5\sin^{2}(\beta)\cos^{3}(\beta)+5i\sin^{3}(\beta)\cos^{2}(\beta)+4\sin^{4}(\beta)\cos(\beta)-i\sin^{5}(\beta)\right)\right)\left(e^{5i\gamma}\left(\cos^{5}(\beta)-4i\sin^{4}(\beta)\cos^{4}(\beta)-5\sin^{2}(\beta)\cos^{3}(\beta)+5i\sin^{3}(\beta)\cos^{2}(\beta)+4\sin^{4}(\beta)\cos(\beta)-i\sin^{5}(\beta)\right)\right)
+i\sin^5(\beta)) \left(e^{-3i\gamma}\left(-5\sin^2(\beta)\cos^3(\beta)-5i\sin^3(\beta)\cos^2(\beta)\right)\right)
+e^{i\gamma}\left(5i\sin(\beta)\cos^4(\beta)-5\sin^2(\beta)\cos^3(\beta)-5i\sin^3(\beta)\cos^2(\beta)+5\sin^4(\beta)\cos(\beta)\right)+e^{5i\gamma}\left(\cos^5(\beta)+i\sin^5(\beta)\right)
+e^{-3i\gamma}\left(-5\sin^2(\beta)\cos^3(\beta)-5i\sin^3(\beta)\cos^2(\beta)\right)\left(e^{5i\gamma}\left(-\sin^2(\beta)\cos^3(\beta)-i\sin^3(\beta)\cos^2(\beta)\right)\right)
+e^{i\gamma}\left(3i\sin(\beta)\cos^{4}(\beta)-7\sin^{2}(\beta)\cos^{3}(\beta)-7i\sin^{3}(\beta)\cos^{2}(\beta)+3\sin^{4}(\beta)\cos(\beta)\right)+e^{-3i\gamma}\left(\cos^{5}(\beta)+2i\sin(\beta)\cos^{4}(\beta)-2\sin^{2}(\beta)\cos^{4}(\beta)-7\sin^{2}(\beta)\cos^{3}(\beta)\right)
+e^{i\gamma}\left(5i\sin(\beta)\cos^4(\beta)+5\sin^4(\beta)\cos(\beta)\right)\left(e^{5i\gamma}\left(i\sin(\beta)\cos^4(\beta)+\sin^4(\beta)\cos(\beta)\right)+e^{-3i\gamma}\left(2i\sin(\beta)\cos^4(\beta)-3\sin^2(\beta)\cos^3(\beta)+\sin^4(\beta)\cos(\beta)\right)\right)
+e^{i\gamma}\left(\cos^{5}(\beta)+2i\sin(\beta)\cos^{4}(\beta)-7\sin^{2}(\beta)\cos^{3}(\beta)-7i\sin^{3}(\beta)\cos^{2}(\beta)+2\sin^{4}(\beta)\cos(\beta)+i\sin^{5}(\beta)\right)\right)+e^{i\gamma}\left(-5\sin^{2}(\beta)\cos^{3}(\beta)-7i\sin^{3}(\beta)\cos^{2}(\beta)+2\sin^{4}(\beta)\cos(\beta)+i\sin^{5}(\beta)\right)
-5i\sin^3(\beta)\cos^2(\beta))\left(e^{5i\gamma}\left(-\sin^2(\beta)\cos^3(\beta)-i\sin^3(\beta)\cos^2(\beta)\right)+e^{-3i\gamma}\left(i\sin(\beta)\cos^4(\beta)-4\sin^2(\beta)\cos^3(\beta)-4i\sin^3(\beta)\cos^2(\beta)\right)+e^{-3i\gamma}\left(i\sin(\beta)\cos^2(\beta)-4\sin^2(\beta)\cos^2(\beta)\right)+e^{-3i\gamma}\left(i\sin(\beta)\cos^2(\beta)-4\sin^2(\beta)\cos^2(\beta)\right)+e^{-3i\gamma}\left(i\sin(\beta)\cos^2(\beta)-4\sin^2(\beta)\cos^2(\beta)\right)+e^{-3i\gamma}\left(i\sin(\beta)\cos^2(\beta)-4\sin^2(\beta)\cos^2(\beta)\right)+e^{-3i\gamma}\left(i\sin(\beta)\cos^2(\beta)-4\sin^2(\beta)\cos^2(\beta)\right)+e^{-3i\gamma}\left(i\sin(\beta)\cos^2(\beta)-4\sin^2(\beta)\cos^2(\beta)\right)+e^{-3i\gamma}\left(i\sin(\beta)\cos^2(\beta)-4\sin^2(\beta)\cos^2(\beta)\right)+e^{-3i\gamma}\left(i\sin(\beta)\cos^2(\beta)-4\sin^2(\beta)\cos^2(\beta)\right)+e^{-3i\gamma}\left(i\sin(\beta)\cos^2(\beta)-4\sin^2(\beta)\cos^2(\beta)\right)+e^{-3i\gamma}\left(i\sin(\beta)\cos^2(\beta)-4\sin^2(\beta)\cos^2(\beta)\right)+e^{-3i\gamma}\left(i\sin(\beta)\cos^2(\beta)-4\sin^2(\beta)\cos^2(\beta)\right)+e^{-3i\gamma}\left(i\sin(\beta)\cos^2(\beta)-4\sin^2(\beta)\cos^2(\beta)\right)+e^{-3i\gamma}\left(i\sin(\beta)\cos^2(\beta)-4\sin^2(\beta)\cos^2(\beta)\right)+e^{-3i\gamma}\left(i\sin(\beta)\cos^2(\beta)-4\sin^2(\beta)\cos^2(\beta)\right)+e^{-3i\gamma}\left(i\sin(\beta)\cos^2(\beta)-4\sin^2(\beta)\cos^2(\beta)\right)+e^{-3i\gamma}\left(i\sin(\beta)\cos^2(\beta)-4\sin^2(\beta)\cos^2(\beta)\right)+e^{-3i\gamma}\left(i\sin(\beta)\cos^2(\beta)-4\sin^2(\beta)\cos^2(\beta)\right)+e^{-3i\gamma}\left(i\sin(\beta)\cos^2(\beta)-4\sin^2(\beta)\cos^2(\beta)\right)+e^{-3i\gamma}\left(i\sin(\beta)\cos^2(\beta)-4\sin^2(\beta)\cos^2(\beta)\right)+e^{-3i\gamma}\left(i\sin(\beta)\cos^2(\beta)-4\sin^2(\beta)\cos^2(\beta)\right)+e^{-3i\gamma}\left(i\sin(\beta)\cos^2(\beta)-4\sin^2(\beta)\cos^2(\beta)\right)+e^{-3i\gamma}\left(i\sin(\beta)\cos^2(\beta)-4\sin^2(\beta)\cos^2(\beta)\right)+e^{-3i\gamma}\left(i\sin(\beta)\cos^2(\beta)-4\sin^2(\beta)\cos^2(\beta)\right)+e^{-3i\gamma}\left(i\sin(\beta)\cos^2(\beta)-4\sin^2(\beta)\cos^2(\beta)\right)+e^{-3i\gamma}\left(i\sin(\beta)\cos^2(\beta)-4\sin^2(\beta)\cos^2(\beta)\cos^2(\beta)\right)+e^{-3i\gamma}\left(i\sin(\beta)\cos^2(\beta)-4\sin^2(\beta)\cos^2(\beta)\right)+e^{-3i\gamma}\left(i\sin(\beta)\cos^2(\beta)-4\sin^2(\beta)\cos^2(\beta)\right)+e^{-3i\gamma}\left(i\sin(\beta)\cos^2(\beta)-4\sin^2(\beta)\cos^2(\beta)\right)+e^{-3i\gamma}\left(i\sin(\beta)\cos^2(\beta)-4\sin^2(\beta)\cos^2(\beta)\right)+e^{-3i\gamma}\left(i\sin(\beta)\cos^2(\beta)-4\sin^2(\beta)\cos^2(\beta)\right)+e^{-3i\gamma}\left(i\sin(\beta)\cos^2(\beta)\cos^2(\beta)\right)+e^{-3i\gamma}\left(i\sin(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\right)+e^{-3i\gamma}\left(i\sin(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta
+e^{i\gamma}\left(\cos^{5}(\beta)+4i\sin(\beta)\cos^{4}(\beta)-5\sin^{2}(\beta)\cos^{3}(\beta)-5i\sin^{3}(\beta)\cos^{2}(\beta)+4\sin^{4}(\beta)\cos(\beta)+i\sin^{5}(\beta)\right)\right)
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\left(e^{-5i\gamma}\left(\cos(\beta)\sin^4(\beta) - i\cos^4(\beta)\sin(\beta)\right)\left(e^{3i\gamma}\left(5i\cos^2(\beta)\sin^3(\beta) - 5\cos^3(\beta)\sin^2(\beta)\right)\right)
+e^{-i\gamma}\left(-5i\sin(\beta)\cos^{4}(\beta)-5\sin^{2}(\beta)\cos^{3}(\beta)+5i\sin^{3}(\beta)\cos^{2}(\beta)+5\sin^{4}(\beta)\cos(\beta)\right)
+e^{-5i\gamma}\left(\cos^5(\beta)-i\sin^5(\beta)\right)+e^{3i\gamma}\left(-2i\sin(\beta)\cos^4(\beta)-3\sin^2(\beta)\cos^3(\beta)\right)
+3i\sin^{3}(\beta)\cos^{2}(\beta) + 2\sin^{4}(\beta)\cos(\beta) (e^{-5i\gamma}(i\cos^{2}(\beta)\sin^{3}(\beta) - \cos^{3}(\beta)\sin^{2}(\beta))
+e^{-i\gamma}\left(-3i\sin(\beta)\cos^{4}(\beta)-7\sin^{2}(\beta)\cos^{3}(\beta)+7i\sin^{3}(\beta)\cos^{2}(\beta)+3\sin^{4}(\beta)\cos(\beta)\right)
+e^{3i\gamma}\left(\cos^{5}(\beta)-2i\sin(\beta)\cos^{4}(\beta)-2\sin^{2}(\beta)\cos^{3}(\beta)+2i\sin^{3}(\beta)\cos^{2}(\beta)+2\sin^{4}(\beta)\cos(\beta)-i\sin^{5}(\beta)\right)
+e^{-i\gamma}\left(\cos^{5}(\beta)-4\sin^{2}(\beta)\cos^{3}(\beta)+4i\sin^{3}(\beta)\cos^{2}(\beta)-i\sin^{5}(\beta)\right)\left(e^{-5i\gamma}\left(\cos(\beta)\sin^{4}(\beta)-i\cos^{4}(\beta)\sin(\beta)\right)\right)
+e^{3i\gamma}\left(-2i\sin(\beta)\cos^{4}(\beta)-3\sin^{2}(\beta)\cos^{3}(\beta)+3i\sin^{3}(\beta)\cos^{2}(\beta)+2\sin^{4}(\beta)\cos(\beta)\right)
+e^{-i\gamma}\left(\cos^{5}(\beta)-2i\sin(\beta)\cos^{4}(\beta)-7\sin^{2}(\beta)\cos^{3}(\beta)+7i\sin^{3}(\beta)\cos^{2}(\beta)+2\sin^{4}(\beta)\cos(\beta)-i\sin^{5}(\beta)\right)
+e^{-i\gamma}\left(-2i\sin(\beta)\cos^4(\beta)-3\sin^2(\beta)\cos^3(\beta)+3i\sin^3(\beta)\cos^2(\beta)\right)
+2\sin^4(\beta)\cos(\beta) \left(e^{-5i\gamma}\left(i\cos^2(\beta)\sin^3(\beta)-\cos^3(\beta)\sin^2(\beta)\right)\right)
+e^{3i\gamma}\left(-i\sin(\beta)\cos^4(\beta)-4\sin^2(\beta)\cos^3(\beta)+4i\sin^3(\beta)\cos^2(\beta)+\sin^4(\beta)\cos(\beta)\right)
+e^{-i\gamma}\left(\cos^{5}(\beta)-4i\sin(\beta)\cos^{4}(\beta)-5\sin^{2}(\beta)\cos^{3}(\beta)+5i\sin^{3}(\beta)\cos^{2}(\beta)+4\sin^{4}(\beta)\cos(\beta)-i\sin^{5}(\beta)\right)\right)\left(e^{5i\gamma}\left(i\sin(\beta)\cos^{4}(\beta)-5\sin^{2}(\beta)\cos^{3}(\beta)+5i\sin^{3}(\beta)\cos^{2}(\beta)+4\sin^{4}(\beta)\cos(\beta)-i\sin^{5}(\beta)\right)\right)
+\sin^4(\beta)\cos(\beta))\left(e^{-3i\gamma}\left(-5\sin^2(\beta)\cos^3(\beta)-5i\sin^3(\beta)\cos^2(\beta)\right)+e^{i\gamma}\left(5i\sin(\beta)\cos^4(\beta)-5\sin^2(\beta)\cos^3(\beta)-5i\sin^3(\beta)\cos^2(\beta)\right)+e^{-3i\gamma}\left(-5\sin^2(\beta)\cos^3(\beta)-5i\sin^3(\beta)\cos^2(\beta)\right)+e^{-3i\gamma}\left(-5\sin^2(\beta)\cos^3(\beta)-5i\sin^3(\beta)\cos^2(\beta)\right)+e^{-3i\gamma}\left(-5\sin^2(\beta)\cos^3(\beta)-5i\sin^3(\beta)\cos^2(\beta)\right)+e^{-3i\gamma}\left(-5\sin^2(\beta)\cos^3(\beta)-5i\sin^3(\beta)\cos^2(\beta)\right)+e^{-3i\gamma}\left(-5\sin^2(\beta)\cos^3(\beta)-5i\sin^3(\beta)\cos^2(\beta)\right)+e^{-3i\gamma}\left(-5\sin^2(\beta)\cos^3(\beta)-5i\sin^3(\beta)\cos^2(\beta)\right)+e^{-3i\gamma}\left(-5\sin^2(\beta)\cos^3(\beta)-5i\sin^3(\beta)\cos^2(\beta)\right)+e^{-3i\gamma}\left(-5\sin^2(\beta)\cos^2(\beta)-5i\sin^3(\beta)\cos^2(\beta)\right)+e^{-3i\gamma}\left(-5\sin^2(\beta)\cos^2(\beta)-5i\sin^3(\beta)\cos^2(\beta)\right)+e^{-3i\gamma}\left(-5\sin^2(\beta)\cos^2(\beta)-5i\sin^2(\beta)\cos^2(\beta)\right)+e^{-3i\gamma}\left(-5\sin^2(\beta)\cos^2(\beta)-5i\sin^2(\beta)\cos^2(\beta)\right)+e^{-3i\gamma}\left(-5\sin^2(\beta)\cos^2(\beta)-5i\sin^2(\beta)\cos^2(\beta)\right)+e^{-3i\gamma}\left(-5\sin^2(\beta)\cos^2(\beta)-5i\sin^2(\beta)\cos^2(\beta)\right)+e^{-3i\gamma}\left(-5\sin^2(\beta)\cos^2(\beta)-5i\sin^2(\beta)\cos^2(\beta)\right)+e^{-3i\gamma}\left(-5\sin^2(\beta)\cos^2(\beta)-5i\sin^2(\beta)\cos^2(\beta)\right)+e^{-3i\gamma}\left(-5\sin^2(\beta)\cos^2(\beta)-5i\sin^2(\beta)\cos^2(\beta)\right)+e^{-3i\gamma}\left(-5\sin^2(\beta)\cos^2(\beta)-5i\sin^2(\beta)\cos^2(\beta)\right)+e^{-3i\gamma}\left(-5\sin^2(\beta)\cos^2(\beta)-5i\sin^2(\beta)\cos^2(\beta)\right)+e^{-3i\gamma}\left(-5\sin^2(\beta)\cos^2(\beta)-5i\sin^2(\beta)\cos^2(\beta)\right)+e^{-3i\gamma}\left(-5\sin^2(\beta)\cos^2(\beta)-5i\sin^2(\beta)\cos^2(\beta)\right)+e^{-3i\gamma}\left(-5\sin^2(\beta)\cos^2(\beta)-5i\sin^2(\beta)\cos^2(\beta)\right)+e^{-3i\gamma}\left(-5\sin^2(\beta)\cos^2(\beta)-5i\sin^2(\beta)\cos^2(\beta)\right)+e^{-3i\gamma}\left(-5\sin^2(\beta)\cos^2(\beta)-5i\sin^2(\beta)\cos^2(\beta)\right)+e^{-3i\gamma}\left(-5\sin^2(\beta)\cos^2(\beta)-5i\sin^2(\beta)\cos^2(\beta)\right)+e^{-3i\gamma}\left(-5\sin^2(\beta)\cos^2(\beta)-5i\sin^2(\beta)\cos^2(\beta)\right)+e^{-3i\gamma}\left(-5\sin^2(\beta)\cos^2(\beta)-5i\sin^2(\beta)\cos^2(\beta)\right)+e^{-3i\gamma}\left(-5\sin^2(\beta)\cos^2(\beta)-5i\sin^2(\beta)\cos^2(\beta)\right)+e^{-3i\gamma}\left(-5\sin^2(\beta)\cos^2(\beta)\cos^2(\beta)\right)+e^{-3i\gamma}\left(-5\sin^2(\beta)\cos^2(\beta)\cos^2(\beta)\right)+e^{-3i\gamma}\left(-5\sin^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\right)+e^{-3i\gamma}\left(-5\sin^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\right)+e^{-3i\gamma}\left(-5\sin^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\right)+e^{-3i\gamma}\left(-5\sin^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\right)+e^{-3i\gamma}\left(-5\sin^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(
+e^{5i\gamma}\left(\cos^5(\beta)+i\sin^5(\beta)\right)
+e^{-3i\gamma}\left(2i\sin(\beta)\cos^4(\beta)-3\sin^2(\beta)\cos^3(\beta)-3i\sin^3(\beta)\cos^2(\beta)+2\sin^4(\beta)\cos(\beta)\right)\left(e^{5i\gamma}\left(-\sin^2(\beta)\cos^3(\beta)-i\sin^3(\beta)\cos^2(\beta)+2\sin^4(\beta)\cos(\beta)\right)\right)
+e^{i\gamma} \left(3i\sin(\beta)\cos^4(\beta)-7\sin^2(\beta)\cos^3(\beta)-7i\sin^3(\beta)\cos^2(\beta)+3\sin^4(\beta)\cos(\beta)\right)+e^{-3i\gamma} \left(\cos^5(\beta)+2i\sin(\beta)\cos^4(\beta)-2\sin^2(\beta)\cos^4(\beta)\right)
+e^{i\gamma}\left(\cos^5(\beta)-4\sin^2(\beta)\cos^3(\beta)-4i\sin^3(\beta)\cos^2(\beta)+i\sin^5(\beta)\right)\left(e^{5i\gamma}\left(i\sin(\beta)\cos^4(\beta)+\sin^4(\beta)\cos(\beta)\right)+e^{-3i\gamma}\left(2i\sin(\beta)\cos^2(\beta)+i\sin^5(\beta)\right)\right)
+e^{i\gamma}\left(\cos^{5}(\beta)+2i\sin(\beta)\cos^{4}(\beta)-7\sin^{2}(\beta)\cos^{3}(\beta)-7i\sin^{3}(\beta)\cos^{2}(\beta)+2\sin^{4}(\beta)\cos(\beta)+i\sin^{5}(\beta)\right)
+e^{i\gamma}\left(2i\sin(\beta)\cos^4(\beta)-3\sin^2(\beta)\cos^3(\beta)-3i\sin^3(\beta)\cos^2(\beta)+2\sin^4(\beta)\cos(\beta)\right)\left(e^{5i\gamma}\left(-\sin^2(\beta)\cos^3(\beta)-i\sin^3(\beta)\cos^2(\beta)\right)+2\sin^4(\beta)\cos^4(\beta)-3\sin^2(\beta)\cos^3(\beta)-3\sin^3(\beta)\cos^2(\beta)+2\sin^4(\beta)\cos(\beta)\right)
+e^{-3i\gamma}\left(i\sin(\beta)\cos^4(\beta)-4\sin^2(\beta)\cos^3(\beta)-4i\sin^3(\beta)\cos^2(\beta)+\sin^4(\beta)\cos(\beta)\right)+e^{i\gamma}\left(\cos^5(\beta)+4i\sin(\beta)\cos^4(\beta)-5\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)\right)+e^{-3i\gamma}\left(i\sin(\beta)\cos^4(\beta)-4\sin^2(\beta)\cos^3(\beta)-4i\sin^3(\beta)\cos^2(\beta)+\sin^4(\beta)\cos(\beta)\right)+e^{-3i\gamma}\left(\cos^5(\beta)+4i\sin(\beta)\cos^4(\beta)-5\sin^2(\beta)\cos^2(\beta)\right)+e^{-3i\gamma}\left(\cos^5(\beta)+4i\sin(\beta)\cos^4(\beta)-5\sin^2(\beta)\cos^2(\beta)\right)+e^{-3i\gamma}\left(\cos^5(\beta)+4i\sin(\beta)\cos^4(\beta)-5\sin^2(\beta)\cos^2(\beta)\right)+e^{-3i\gamma}\left(\cos^5(\beta)+4i\sin(\beta)\cos^2(\beta)-5\sin^2(\beta)\cos^2(\beta)\right)+e^{-3i\gamma}\left(\cos^5(\beta)+4i\sin(\beta)\cos^2(\beta)-5\sin^2(\beta)\cos^2(\beta)\right)+e^{-3i\gamma}\left(\cos^5(\beta)+4i\sin(\beta)\cos^2(\beta)-5\sin^2(\beta)\cos^2(\beta)\right)+e^{-3i\gamma}\left(\cos^5(\beta)+6i\sin(\beta)\cos^2(\beta)-6i\sin(\beta)\cos^2(\beta)\right)+e^{-3i\gamma}\left(\cos^5(\beta)+6i\sin(\beta)\cos^2(\beta)\cos^2(\beta)\right)+e^{-3i\gamma}\left(\cos^5(\beta)+6i\sin(\beta)\cos^2(\beta)\cos^2(\beta)\right)+e^{-3i\gamma}\left(\cos^5(\beta)+6i\sin(\beta)\cos^2(\beta)\cos^2(\beta)\right)+e^{-3i\gamma}\left(\cos^5(\beta)+6i\sin(\beta)\cos^2(\beta)\cos^2(\beta)\right)+e^{-3i\gamma}\left(\cos^5(\beta)+6i\sin(\beta)\cos^2(\beta)\cos^2(\beta)\right)+e^{-3i\gamma}\left(\cos^5(\beta)+6i\sin(\beta)\cos^2(\beta)\cos^2(\beta)\right)+e^{-3i\gamma}\left(\cos^5(\beta)+6i\sin(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\right)+e^{-3i\gamma}\left(\cos^2(\beta)+6i\sin(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)
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+e^{-i\gamma}\left(-5i\sin(\beta)\cos^{4}(\beta)-5\sin^{2}(\beta)\cos^{3}(\beta)+5i\sin^{3}(\beta)\cos^{2}(\beta)+5\sin^{4}(\beta)\cos(\beta)\right)
 +e^{-5i\gamma}\left(\cos^5(\beta)-i\sin^5(\beta)\right)+e^{3i\gamma}\left(-i\sin(\beta)\cos^4(\beta)-4\sin^2(\beta)\cos^3(\beta)\right)
+4i\sin^{3}(\beta)\cos^{2}(\beta)+\sin^{4}(\beta)\cos(\beta) (e^{-5i\gamma}(i\cos^{2}(\beta)\sin^{3}(\beta)-\cos^{3}(\beta)\sin^{2}(\beta))
+e^{-i\gamma}\left(-3i\sin(\beta)\cos^{4}(\beta)-7\sin^{2}(\beta)\cos^{3}(\beta)+7i\sin^{3}(\beta)\cos^{2}(\beta)+3\sin^{4}(\beta)\cos(\beta)\right)
+e^{3i\gamma}\left(\cos^{5}(\beta)-2i\sin(\beta)\cos^{4}(\beta)-2\sin^{2}(\beta)\cos^{3}(\beta)+2i\sin^{3}(\beta)\cos^{2}(\beta)+2\sin^{4}(\beta)\cos(\beta)-i\sin^{5}(\beta)\right)
+e^{-i\gamma}\left(-2i\sin(\beta)\cos^4(\beta)-3\sin^2(\beta)\cos^3(\beta)+3i\sin^3(\beta)\cos^2(\beta)\right)
+2\sin^4(\beta)\cos(\beta)) \left(e^{-5i\gamma}\left(\cos(\beta)\sin^4(\beta)-i\cos^4(\beta)\sin(\beta)\right)\right)
+e^{3i\gamma}\left(-2i\sin(\beta)\cos^{4}(\beta)-3\sin^{2}(\beta)\cos^{3}(\beta)+3i\sin^{3}(\beta)\cos^{2}(\beta)+2\sin^{4}(\beta)\cos(\beta)\right)
+e^{-i\gamma}\left(\cos^{5}(\beta)-2i\sin(\beta)\cos^{4}(\beta)-7\sin^{2}(\beta)\cos^{3}(\beta)+7i\sin^{3}(\beta)\cos^{2}(\beta)+2\sin^{4}(\beta)\cos(\beta)-i\sin^{5}(\beta)\right)
+e^{-i\gamma}(\cos^5(\beta) - 2i\sin(\beta)\cos^4(\beta) - 2\sin^2(\beta)\cos^3(\beta) + 2i\sin^3(\beta)\cos^2(\beta)
+2\sin^4(\beta)\cos(\beta) - i\sin^5(\beta) (e^{-5i\gamma}(i\cos^2(\beta)\sin^3(\beta) - \cos^3(\beta)\sin^2(\beta))
+e^{3i\gamma}\left(-i\sin(\beta)\cos^{4}(\beta)-4\sin^{2}(\beta)\cos^{3}(\beta)+4i\sin^{3}(\beta)\cos^{2}(\beta)+\sin^{4}(\beta)\cos(\beta)\right)+e^{-i\gamma}\left(\cos^{5}(\beta)-4i\sin(\beta)\cos^{4}(\beta)-5\sin^{2}(\beta)\cos^{3}(\beta)+4i\sin^{3}(\beta)\cos^{2}(\beta)+\sin^{4}(\beta)\cos(\beta)\right)
 -i\sin^3(\beta)\cos^2(\beta))\left(e^{-3i\gamma}\left(-5\sin^2(\beta)\cos^3(\beta)-5i\sin^3(\beta)\cos^2(\beta)\right)+e^{i\gamma}\left(5i\sin(\beta)\cos^4(\beta)-5\sin^2(\beta)\cos^3(\beta)-5i\sin^3(\beta)\cos^2(\beta)\right)+e^{-3i\gamma}\left(-5\sin^2(\beta)\cos^2(\beta)\right)+e^{-3i\gamma}\left(-5\sin^2(\beta)\cos^2(\beta)-5i\sin^2(\beta)\cos^2(\beta)\right)+e^{-3i\gamma}\left(-5\sin^2(\beta)\cos^2(\beta)-5i\sin^2(\beta)\cos^2(\beta)\right)+e^{-3i\gamma}\left(-5\sin^2(\beta)\cos^2(\beta)-5i\sin^2(\beta)\cos^2(\beta)\right)+e^{-3i\gamma}\left(-5\sin^2(\beta)\cos^2(\beta)-5i\sin^2(\beta)\cos^2(\beta)\right)+e^{-3i\gamma}\left(-5\sin^2(\beta)\cos^2(\beta)-5i\sin^2(\beta)\cos^2(\beta)\right)+e^{-3i\gamma}\left(-5\sin^2(\beta)\cos^2(\beta)-5i\sin^2(\beta)\cos^2(\beta)\right)+e^{-3i\gamma}\left(-5\sin^2(\beta)\cos^2(\beta)-5i\sin^2(\beta)\cos^2(\beta)\right)+e^{-3i\gamma}\left(-5\sin^2(\beta)\cos^2(\beta)-5i\sin^2(\beta)\cos^2(\beta)\right)+e^{-3i\gamma}\left(-5\sin^2(\beta)\cos^2(\beta)-5i\sin^2(\beta)\cos^2(\beta)\right)+e^{-3i\gamma}\left(-5\sin^2(\beta)\cos^2(\beta)-5i\sin^2(\beta)\cos^2(\beta)\right)+e^{-3i\gamma}\left(-5\sin^2(\beta)\cos^2(\beta)-5i\sin^2(\beta)\cos^2(\beta)\right)+e^{-3i\gamma}\left(-5\sin^2(\beta)\cos^2(\beta)-5i\sin^2(\beta)\cos^2(\beta)\right)+e^{-3i\gamma}\left(-5\sin^2(\beta)\cos^2(\beta)-5i\sin^2(\beta)\cos^2(\beta)\right)+e^{-3i\gamma}\left(-5\sin^2(\beta)\cos^2(\beta)-5i\sin^2(\beta)\cos^2(\beta)\right)+e^{-3i\gamma}\left(-5\sin^2(\beta)\cos^2(\beta)-5i\sin^2(\beta)\cos^2(\beta)\right)+e^{-3i\gamma}\left(-5\sin^2(\beta)\cos^2(\beta)-5i\sin^2(\beta)\cos^2(\beta)\right)+e^{-3i\gamma}\left(-5\sin^2(\beta)\cos^2(\beta)-5i\sin^2(\beta)\cos^2(\beta)\right)+e^{-3i\gamma}\left(-5\sin^2(\beta)\cos^2(\beta)-5i\sin^2(\beta)\cos^2(\beta)\right)+e^{-3i\gamma}\left(-5\sin^2(\beta)\cos^2(\beta)-5i\sin^2(\beta)\cos^2(\beta)\right)+e^{-3i\gamma}\left(-5\sin^2(\beta)\cos^2(\beta)-5i\sin^2(\beta)\cos^2(\beta)\right)+e^{-3i\gamma}\left(-5\sin^2(\beta)\cos^2(\beta)-5i\sin^2(\beta)\cos^2(\beta)\right)+e^{-3i\gamma}\left(-5\sin^2(\beta)\cos^2(\beta)-5i\sin^2(\beta)\cos^2(\beta)\right)+e^{-3i\gamma}\left(-5\sin^2(\beta)\cos^2(\beta)-5i\sin^2(\beta)\cos^2(\beta)\right)+e^{-3i\gamma}\left(-5\sin^2(\beta)\cos^2(\beta)-5i\sin^2(\beta)\cos^2(\beta)\right)+e^{-3i\gamma}\left(-5\sin^2(\beta)\cos^2(\beta)-5i\sin^2(\beta)\cos^2(\beta)\right)+e^{-3i\gamma}\left(-5\sin^2(\beta)\cos^2(\beta)-5i\sin^2(\beta)\cos^2(\beta)\right)+e^{-3i\gamma}\left(-5\sin^2(\beta)\cos^2(\beta)-5i\sin^2(\beta)\cos^2(\beta)\right)+e^{-3i\gamma}\left(-5\sin^2(\beta)\cos^2(\beta)-5i\sin^2(\beta)\cos^2(\beta)\right)+e^{-3i\gamma}\left(-5\sin^2(\beta)\cos^2(\beta)\cos^2(\beta)\right)+e^{-3i\gamma}\left(-5\sin^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\right)+e^{-3i\gamma}\left(-5\sin^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\right)+e^{-3i\gamma}\left(-5\sin^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\right)+e^{-3i\gamma}\left(-5\sin^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\right)+e^{-3i\gamma}\left(-5\sin^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos
+e^{5i\gamma}\left(\cos^5(\beta)+i\sin^5(\beta)\right)
+e^{-3i\gamma}\left(i\sin(\beta)\cos^4(\beta)-4\sin^2(\beta)\cos^3(\beta)-4i\sin^3(\beta)\cos^2(\beta)+\sin^4(\beta)\cos(\beta)\right)\left(e^{5i\gamma}\left(-\sin^2(\beta)\cos^3(\beta)-i\sin^3(\beta)\cos^2(\beta)\right)+\sin^4(\beta)\cos^2(\beta)\right)
+e^{i\gamma}\left(3i\sin(\beta)\cos^{4}(\beta)-7\sin^{2}(\beta)\cos^{3}(\beta)-7i\sin^{3}(\beta)\cos^{2}(\beta)+3\sin^{4}(\beta)\cos(\beta)\right)+e^{-3i\gamma}\left(\cos^{5}(\beta)+2i\sin(\beta)\cos^{4}(\beta)-2\sin^{2}(\beta)\cos^{4}(\beta)-7\sin^{2}(\beta)\cos^{4}(\beta)\right)
+e^{i\gamma}\left(2i\sin(\beta)\cos^4(\beta)-3\sin^2(\beta)\cos^3(\beta)-3i\sin^3(\beta)\cos^2(\beta)+2\sin^4(\beta)\cos(\beta)\right)\left(e^{5i\gamma}\left(i\sin(\beta)\cos^4(\beta)+\sin^4(\beta)\cos(\beta)\right)+2\sin^4(\beta)\cos^4(\beta)+\sin^4(\beta)\cos^4(\beta)+\sin^4(\beta)\cos^4(\beta)+\sin^4(\beta)\cos^4(\beta)+\sin^4(\beta)\cos^4(\beta)+\sin^4(\beta)\cos^4(\beta)+\sin^4(\beta)\cos^4(\beta)+\sin^4(\beta)\cos^4(\beta)+\sin^4(\beta)\cos^4(\beta)+\sin^4(\beta)\cos^4(\beta)+\sin^4(\beta)\cos^4(\beta)+\sin^4(\beta)\cos^4(\beta)+\sin^4(\beta)\cos^4(\beta)+\sin^4(\beta)\cos^4(\beta)+\sin^4(\beta)\cos^4(\beta)+\sin^4(\beta)\cos^4(\beta)+\sin^4(\beta)\cos^4(\beta)+\sin^4(\beta)\cos^4(\beta)+\sin^4(\beta)\cos^4(\beta)+\sin^4(\beta)\cos^4(\beta)+\sin^4(\beta)\cos^4(\beta)+\sin^4(\beta)\cos^4(\beta)+\sin^4(\beta)\cos^4(\beta)+\sin^4(\beta)\cos^4(\beta)+\sin^4(\beta)\cos^4(\beta)+\sin^4(\beta)\cos^4(\beta)+\sin^4(\beta)\cos^4(\beta)+\sin^4(\beta)\cos^4(\beta)+\sin^4(\beta)\cos^4(\beta)+\sin^4(\beta)\cos^4(\beta)+\sin^4(\beta)\cos^4(\beta)+\sin^4(\beta)\cos^4(\beta)+\sin^4(\beta)\cos^4(\beta)+\sin^4(\beta)\cos^4(\beta)+\sin^4(\beta)\cos^4(\beta)+\sin^4(\beta)\cos^4(\beta)+\sin^4(\beta)\cos^4(\beta)+\sin^4(\beta)\cos^4(\beta)+\sin^4(\beta)\cos^4(\beta)+\sin^4(\beta)\cos^4(\beta)+\sin^4(\beta)\cos^4(\beta)+\sin^4(\beta)\cos^4(\beta)+\sin^4(\beta)\cos^4(\beta)+\sin^4(\beta)\cos^4(\beta)+\sin^4(\beta)\cos^4(\beta)+\sin^4(\beta)\cos^4(\beta)+\sin^4(\beta)\cos^4(\beta)+\sin^4(\beta)\cos^4(\beta)+\sin^4(\beta)\cos^4(\beta)+\sin^4(\beta)\cos^4(\beta)+\sin^4(\beta)\cos^4(\beta)+\sin^4(\beta)\cos^4(\beta)+\sin^4(\beta)\cos^4(\beta)+\sin^4(\beta)\cos^4(\beta)+\sin^4(\beta)\cos^4(\beta)+\sin^4(\beta)\cos^4(\beta)+\sin^4(\beta)\cos^4(\beta)+\sin^4(\beta)\cos^4(\beta)+\sin^4(\beta)\cos^4(\beta)+\sin^4(\beta)\cos^4(\beta)+\sin^4(\beta)\cos^4(\beta)+\sin^4(\beta)\cos^2(\beta)+\sin^4(\beta)\cos^2(\beta)+\sin^4(\beta)\cos^2(\beta)+\sin^4(\beta)\cos^2(\beta)+\sin^4(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2
+e^{-3i\gamma}\left(2i\sin(\beta)\cos^4(\beta)-3\sin^2(\beta)\cos^3(\beta)-3i\sin^3(\beta)\cos^2(\beta)+2\sin^4(\beta)\cos(\beta)\right)+e^{i\gamma}\left(\cos^5(\beta)+2i\sin(\beta)\cos^4(\beta)-7\sin^2(\beta)\cos^2(\beta)+2\sin^4(\beta)\cos^2(\beta)\right)+e^{-3i\gamma}\left(2i\sin(\beta)\cos^4(\beta)-3\sin^2(\beta)\cos^3(\beta)-3i\sin^3(\beta)\cos^2(\beta)+2\sin^4(\beta)\cos(\beta)\right)+e^{-3i\gamma}\left(\cos^2(\beta)+2\sin^2(\beta)\cos^2(\beta)+2\sin^2(\beta)\cos^2(\beta)\right)+e^{-3i\gamma}\left(\cos^2(\beta)+2\sin^2(\beta)\cos^2(\beta)+2\sin^2(\beta)\cos^2(\beta)\right)+e^{-3i\gamma}\left(\cos^2(\beta)+2\sin^2(\beta)\cos^2(\beta)+2\sin^2(\beta)\cos^2(\beta)\right)+e^{-3i\gamma}\left(\cos^2(\beta)+2\sin^2(\beta)\cos^2(\beta)+2\sin^2(\beta)\cos^2(\beta)\right)+e^{-3i\gamma}\left(\cos^2(\beta)+2\sin^2(\beta)\cos^2(\beta)+2\sin^2(\beta)\cos^2(\beta)\right)+e^{-3i\gamma}\left(\cos^2(\beta)+2\sin^2(\beta)\cos^2(\beta)+2\sin^2(\beta)\cos^2(\beta)\right)+e^{-3i\gamma}\left(\cos^2(\beta)+2\sin^2(\beta)\cos^2(\beta)+2\sin^2(\beta)\cos^2(\beta)\right)+e^{-3i\gamma}\left(\cos^2(\beta)+2\sin^2(\beta)\cos^2(\beta)+2\sin^2(\beta)\cos^2(\beta)\right)+e^{-3i\gamma}\left(\cos^2(\beta)+2\sin^2(\beta)\cos^2(\beta)+2\sin^2(\beta)\cos^2(\beta)\right)+e^{-3i\gamma}\left(\cos^2(\beta)+2\sin^2(\beta)\cos^2(\beta)+2\sin^2(\beta)\cos^2(\beta)\right)+e^{-3i\gamma}\left(\cos^2(\beta)+2\sin^2(\beta)\cos^2(\beta)+2\sin^2(\beta)\cos^2(\beta)\right)+e^{-3i\gamma}\left(\cos^2(\beta)+2\sin^2(\beta)\cos^2(\beta)+2\sin^2(\beta)\cos^2(\beta)\right)+e^{-3i\gamma}\left(\cos^2(\beta)+2\sin^2(\beta)\cos^2(\beta)+2\sin^2(\beta)\cos^2(\beta)\right)+e^{-3i\gamma}\left(\cos^2(\beta)+2\sin^2(\beta)\cos^2(\beta)+2\sin^2(\beta)\cos^2(\beta)\right)+e^{-3i\gamma}\left(\cos^2(\beta)+2\sin^2(\beta)\cos^2(\beta)+2\sin^2(\beta)\cos^2(\beta)\right)+e^{-3i\gamma}\left(\cos^2(\beta)+2\sin^2(\beta)\cos^2(\beta)+2\sin^2(\beta)\cos^2(\beta)\right)+e^{-3i\gamma}\left(\cos^2(\beta)+2\sin^2(\beta)\cos^2(\beta)+2\sin^2(\beta)\cos^2(\beta)\right)+e^{-3i\gamma}\left(\cos^2(\beta)+2\sin^2(\beta)\cos^2(\beta)+2\sin^2(\beta)\cos^2(\beta)\right)+e^{-3i\gamma}\left(\cos^2(\beta)+2\sin^2(\beta)\cos^2(\beta)+2\sin^2(\beta)\cos^2(\beta)\right)+e^{-3i\gamma}\left(\cos^2(\beta)+2\sin^2(\beta)\cos^2(\beta)+2\sin^2(\beta)\cos^2(\beta)\right)+e^{-3i\gamma}\left(\cos^2(\beta)+2\sin^2(\beta)\cos^2(\beta)+2\sin^2(\beta)\cos^2(\beta)\right)+e^{-3i\gamma}\left(\cos^2(\beta)+2\sin^2(\beta)\cos^2(\beta)+2\sin^2(\beta)\cos^2(\beta)\right)+e^{-3i\gamma}\left(\cos^2(\beta)+2\sin^2(\beta)\cos^2(\beta)+2\sin^2(\beta)\cos^2(\beta)\right)+e^{-3i\gamma}\left(\cos^2(\beta)+2\sin^2(\beta)\cos^2(\beta)\right)+e^{-3i\gamma}\left(\cos^2(\beta)+2\sin^2(\beta)\cos^2(\beta)\cos^2(\beta)\right)+e^{-3i\gamma}\left(\cos^2(\beta)+2\sin^2(\beta)\cos^2(\beta)\cos^2(\beta)\right)+e^{-3i\gamma}\left(\cos^2(\beta)+2\sin^2(\beta)\cos^2(\beta)\cos^2(\beta)\right)+e^{-3i\gamma}\left(\cos^2(\beta)+2\sin^2(\beta)\cos^2(\beta)\cos^2(\beta)\right)+e^{-3i\gamma}\left(\cos^2(\beta)+2\sin^2(\beta)\cos^2(\beta)\cos^2(\beta)\right)+e^{-3i\gamma}\left(\cos^2(\beta)+2\sin^2(\beta)\cos^2(\beta)\cos^2(\beta)\right)+e^{-3i\gamma}\left(\cos^2(\beta)+2\sin^2(\beta)\cos^2(\beta)\cos^2(\beta)\right)+e^{-3i\gamma}\left(\cos^2(\beta)+2\sin^2(\beta)\cos^2(\beta)\cos^2(\beta)\right)+e^{-3i\gamma}\left(\cos^2(\beta)+2\sin^2(\beta)\cos^2(\beta)\cos^2(\beta)\right)+e^{-3i\gamma}\left(\cos^2(\beta)+2\sin^2(\beta)\cos^2(\beta)\cos^2(\beta)\right)+e^{-3i\gamma}\left(\cos^2(\beta)+2\sin^2(\beta)\cos^2(\beta)\right)+e^{-3i\gamma}\left(\cos^2(\beta)+2\sin^2(\beta)\cos^2(\beta)\right)+e^{-3i\gamma}\left(\cos^2(\beta)+2\sin^2(\beta)\cos^2(\beta)\right)+e^{-3i\gamma}\left(\cos^2(\beta)+2\sin^2(\beta)\cos^2(\beta)\right)+e^{-3i\gamma}\left(\cos^2(\beta)+2\sin^2(\beta)\cos^2(\beta)\right)+e^{-3i\gamma}\left(\cos^2(\beta)+2\sin^2(\beta)\cos^2(\beta)\right)+e^{-3i\gamma}\left(\cos^2(\beta)+2\sin^2(\beta)\cos^2(\beta)\right)+e^{-3i\gamma}\left(\cos^2(\beta)+2\sin^2(\beta)\cos^2(\beta)\right)+e^{-3i\gamma}\left(\cos^2(\beta)+2\sin^2(\beta)\right)+e^{-3i\gamma}\left(\cos^2(\beta)+2\sin^2(\beta)\right)+e^{-3i\gamma}\left(\cos^2(\beta)+2\sin^2(\beta)\right)+e^{-
+e^{i\gamma}\left(\cos^5(\beta)+2i\sin(\beta)\cos^4(\beta)-2\sin^2(\beta)\cos^3(\beta)-2i\sin^3(\beta)\cos^2(\beta)+2\sin^4(\beta)\cos(\beta)+i\sin^5(\beta)\right)\left(e^{5i\gamma}\left(-\sin^2(\beta)\cos^3(\beta)-2i\sin^3(\beta)\cos^2(\beta)+2\sin^4(\beta)\cos(\beta)+2\sin^5(\beta)\right)\right)
+e^{-3i\gamma}(i\sin(\beta)\cos^4(\beta)-4\sin^2(\beta)\cos^3(\beta)-4i\sin^3(\beta)\cos^2(\beta)+\sin^4(\beta)\cos(\beta))+e^{i\gamma}(\cos^5(\beta)+4i\sin(\beta)\cos^4(\beta)-5\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)
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 $\left(e^{-5i\gamma}\left(i\cos^2(\beta)\sin^3(\beta)-\cos^3(\beta)\sin^2(\beta)\right)\left(e^{3i\gamma}\left(5i\cos^2(\beta)\sin^3(\beta)-5\cos^3(\beta)\sin^2(\beta)\right)\right)$

5v1 1 1 2

p = 0.650641715574195

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(e^{-5i\gamma}(i\cos^2(\beta)\sin^3(\beta) - \cos^3(\beta)\sin^2(\beta))(e^{3i\gamma}(5i\cos^2(\beta)\sin^3(\beta) - 5\cos^3(\beta)\sin^2(\beta)))
+e^{-i\gamma}\left(-5i\sin(\beta)\cos^4(\beta)-5\sin^2(\beta)\cos^3(\beta)+5i\sin^3(\beta)\cos^2(\beta)+5\sin^4(\beta)\cos(\beta)\right)
+e^{-5i\gamma}\left(\cos^5(\beta)-i\sin^5(\beta)\right)+e^{3i\gamma}\left(\cos^5(\beta)-2i\sin(\beta)\cos^4(\beta)-2\sin^2(\beta)\cos^3(\beta)\right)
+2i\sin^{3}(\beta)\cos^{2}(\beta) + 2\sin^{4}(\beta)\cos(\beta) - i\sin^{5}(\beta) (e^{-5i\gamma}(i\cos^{2}(\beta)\sin^{3}(\beta) - \cos^{3}(\beta)\sin^{2}(\beta))
+e^{-i\gamma}\left(-3i\sin(\beta)\cos^{4}(\beta)-7\sin^{2}(\beta)\cos^{3}(\beta)+7i\sin^{3}(\beta)\cos^{2}(\beta)+3\sin^{4}(\beta)\cos(\beta)\right)
+e^{3i\gamma}\left(\cos^{5}(\beta)-2i\sin(\beta)\cos^{4}(\beta)-2\sin^{2}(\beta)\cos^{3}(\beta)+2i\sin^{3}(\beta)\cos^{2}(\beta)+2\sin^{4}(\beta)\cos(\beta)-i\sin^{5}(\beta)\right)
+e^{-i\gamma}\left(-2i\sin(\beta)\cos^4(\beta)-3\sin^2(\beta)\cos^3(\beta)+3i\sin^3(\beta)\cos^2(\beta)\right)
+2\sin^4(\beta)\cos(\beta)) (e^{-5i\gamma}(\cos(\beta)\sin^4(\beta)-i\cos^4(\beta)\sin(\beta))
+e^{3i\gamma}\left(-2i\sin(\beta)\cos^{4}(\beta)-3\sin^{2}(\beta)\cos^{3}(\beta)+3i\sin^{3}(\beta)\cos^{2}(\beta)+2\sin^{4}(\beta)\cos(\beta)\right)
+e^{-i\gamma}\left(\cos^{5}(\beta)-2i\sin(\beta)\cos^{4}(\beta)-7\sin^{2}(\beta)\cos^{3}(\beta)+7i\sin^{3}(\beta)\cos^{2}(\beta)+2\sin^{4}(\beta)\cos(\beta)-i\sin^{5}(\beta)\right)
+e^{-i\gamma}\left(-i\sin(\beta)\cos^4(\beta)-4\sin^2(\beta)\cos^3(\beta)\right)
+4i\sin^3(\beta)\cos^2(\beta)+\sin^4(\beta)\cos(\beta) \left(e^{-5i\gamma}\left(i\cos^2(\beta)\sin^3(\beta)-\cos^3(\beta)\sin^2(\beta)\right)\right)
+e^{3i\gamma}\left(-i\sin(\beta)\cos^4(\beta)-4\sin^2(\beta)\cos^3(\beta)+4i\sin^3(\beta)\cos^2(\beta)+\sin^4(\beta)\cos(\beta)\right)+e^{-i\gamma}\left(\cos^5(\beta)-4i\sin(\beta)\cos^4(\beta)-5\sin^2(\beta)\cos^4(\beta)\right)+e^{-i\gamma}\left(\cos^5(\beta)-4i\sin(\beta)\cos^4(\beta)-4\sin^2(\beta)\cos^3(\beta)\right)+e^{-i\gamma}\left(\cos^5(\beta)-4i\sin(\beta)\cos^4(\beta)-4\sin^2(\beta)\cos^3(\beta)\right)+e^{-i\gamma}\left(\cos^5(\beta)-4i\sin(\beta)\cos^4(\beta)-4\sin^2(\beta)\cos^2(\beta)\right)+e^{-i\gamma}\left(\cos^5(\beta)-4i\sin(\beta)\cos^4(\beta)-6\sin^2(\beta)\cos^2(\beta)\right)+e^{-i\gamma}\left(\cos^5(\beta)-4i\sin(\beta)\cos^4(\beta)-6\sin^2(\beta)\cos^2(\beta)\right)+e^{-i\gamma}\left(\cos^5(\beta)-4i\sin(\beta)\cos^2(\beta)-6\sin^2(\beta)\cos^2(\beta)\right)+e^{-i\gamma}\left(\cos^5(\beta)-6i\sin(\beta)\cos^2(\beta)-6i\sin(\beta)\cos^2(\beta)\right)+e^{-i\gamma}\left(\cos^5(\beta)-6i\sin(\beta)\cos^2(\beta)-6i\sin(\beta)\cos^2(\beta)\right)+e^{-i\gamma}\left(\cos^5(\beta)-6i\sin(\beta)\cos^2(\beta)-6i\sin(\beta)\cos^2(\beta)\right)+e^{-i\gamma}\left(\cos^5(\beta)-6i\sin(\beta)\cos^2(\beta)-6i\sin(\beta)\cos^2(\beta)\right)+e^{-i\gamma}\left(\cos^5(\beta)-6i\sin(\beta)\cos^2(\beta)-6i\sin(\beta)\cos^2(\beta)\right)+e^{-i\gamma}\left(\cos^5(\beta)-6i\sin(\beta)\cos^2(\beta)-6i\sin(\beta)\cos^2(\beta)\right)+e^{-i\gamma}\left(\cos^5(\beta)-6i\sin(\beta)\cos^2(\beta)-6i\sin(\beta)\cos^2(\beta)\right)+e^{-i\gamma}\left(\cos^5(\beta)-6i\sin(\beta)\cos^2(\beta)-6i\sin(\beta)\cos^2(\beta)\right)+e^{-i\gamma}\left(\cos^5(\beta)-6i\sin(\beta)\cos^2(\beta)-6i\sin(\beta)\cos^2(\beta)\right)+e^{-i\gamma}\left(\cos^5(\beta)-6i\sin(\beta)\cos^2(\beta)-6i\sin(\beta)\cos^2(\beta)\right)+e^{-i\gamma}\left(\cos^5(\beta)-6i\sin(\beta)\cos^2(\beta)-6i\sin(\beta)\cos^2(\beta)\right)+e^{-i\gamma}\left(\cos^5(\beta)-6i\sin(\beta)\cos^2(\beta)\right)+e^{-i\gamma}\left(\cos^5(\beta)-6i\sin(\beta)\cos^2(\beta)\right)+e^{-i\gamma}\left(\cos^5(\beta)-6i\sin(\beta)\cos^2(\beta)\right)+e^{-i\gamma}\left(\cos^5(\beta)-6i\sin(\beta)\cos^2(\beta)\right)+e^{-i\gamma}\left(\cos^5(\beta)-6i\sin(\beta)\cos^2(\beta)\cos^2(\beta)\right)+e^{-i\gamma}\left(\cos^5(\beta)-6i\sin(\beta)\cos^2(\beta)\cos^2(\beta)\right)+e^{-i\gamma}\left(\cos^2(\beta)-6i\sin(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\right)+e^{-i\gamma}\left(\cos^2(\beta)-6i\sin(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta
 -i\sin^3(\beta)\cos^2(\beta))\left(e^{-3i\gamma}\left(-5\sin^2(\beta)\cos^3(\beta)-5i\sin^3(\beta)\cos^2(\beta)\right)+e^{i\gamma}\left(5i\sin(\beta)\cos^4(\beta)-5\sin^2(\beta)\cos^3(\beta)-5i\sin^3(\beta)\cos^2(\beta)\right)+e^{-3i\gamma}\left(-5\sin^2(\beta)\cos^2(\beta)\right)+e^{-3i\gamma}\left(-5\sin^2(\beta)\cos^2(\beta)-5i\sin^2(\beta)\cos^2(\beta)\right)+e^{-3i\gamma}\left(-5\sin^2(\beta)\cos^2(\beta)-5i\sin^2(\beta)\cos^2(\beta)\right)+e^{-3i\gamma}\left(-5\sin^2(\beta)\cos^2(\beta)-5i\sin^2(\beta)\cos^2(\beta)\right)+e^{-3i\gamma}\left(-5\sin^2(\beta)\cos^2(\beta)-5i\sin^2(\beta)\cos^2(\beta)\right)+e^{-3i\gamma}\left(-5\sin^2(\beta)\cos^2(\beta)-5i\sin^2(\beta)\cos^2(\beta)\right)+e^{-3i\gamma}\left(-5\sin^2(\beta)\cos^2(\beta)-5i\sin^2(\beta)\cos^2(\beta)\right)+e^{-3i\gamma}\left(-5\sin^2(\beta)\cos^2(\beta)-5i\sin^2(\beta)\cos^2(\beta)\right)+e^{-3i\gamma}\left(-5\sin^2(\beta)\cos^2(\beta)-5i\sin^2(\beta)\cos^2(\beta)\right)+e^{-3i\gamma}\left(-5\sin^2(\beta)\cos^2(\beta)-5i\sin^2(\beta)\cos^2(\beta)\right)+e^{-3i\gamma}\left(-5\sin^2(\beta)\cos^2(\beta)-5i\sin^2(\beta)\cos^2(\beta)\right)+e^{-3i\gamma}\left(-5\sin^2(\beta)\cos^2(\beta)-5i\sin^2(\beta)\cos^2(\beta)\right)+e^{-3i\gamma}\left(-5\sin^2(\beta)\cos^2(\beta)-5i\sin^2(\beta)\cos^2(\beta)\right)+e^{-3i\gamma}\left(-5\sin^2(\beta)\cos^2(\beta)-5i\sin^2(\beta)\cos^2(\beta)\right)+e^{-3i\gamma}\left(-5\sin^2(\beta)\cos^2(\beta)-5i\sin^2(\beta)\cos^2(\beta)\right)+e^{-3i\gamma}\left(-5\sin^2(\beta)\cos^2(\beta)-5i\sin^2(\beta)\cos^2(\beta)\right)+e^{-3i\gamma}\left(-5\sin^2(\beta)\cos^2(\beta)-5i\sin^2(\beta)\cos^2(\beta)\right)+e^{-3i\gamma}\left(-5\sin^2(\beta)\cos^2(\beta)-5i\sin^2(\beta)\cos^2(\beta)\right)+e^{-3i\gamma}\left(-5\sin^2(\beta)\cos^2(\beta)-5i\sin^2(\beta)\cos^2(\beta)\right)+e^{-3i\gamma}\left(-5\sin^2(\beta)\cos^2(\beta)-5i\sin^2(\beta)\cos^2(\beta)\right)+e^{-3i\gamma}\left(-5\sin^2(\beta)\cos^2(\beta)-5i\sin^2(\beta)\cos^2(\beta)\right)+e^{-3i\gamma}\left(-5\sin^2(\beta)\cos^2(\beta)-5i\sin^2(\beta)\cos^2(\beta)\right)+e^{-3i\gamma}\left(-5\sin^2(\beta)\cos^2(\beta)-5i\sin^2(\beta)\cos^2(\beta)\right)+e^{-3i\gamma}\left(-5\sin^2(\beta)\cos^2(\beta)-5i\sin^2(\beta)\cos^2(\beta)\right)+e^{-3i\gamma}\left(-5\sin^2(\beta)\cos^2(\beta)-5i\sin^2(\beta)\cos^2(\beta)\right)+e^{-3i\gamma}\left(-5\sin^2(\beta)\cos^2(\beta)-5i\sin^2(\beta)\cos^2(\beta)\right)+e^{-3i\gamma}\left(-5\sin^2(\beta)\cos^2(\beta)-5i\sin^2(\beta)\cos^2(\beta)\right)+e^{-3i\gamma}\left(-5\sin^2(\beta)\cos^2(\beta)-5i\sin^2(\beta)\cos^2(\beta)\right)+e^{-3i\gamma}\left(-5\sin^2(\beta)\cos^2(\beta)-5i\sin^2(\beta)\cos^2(\beta)\right)+e^{-3i\gamma}\left(-5\sin^2(\beta)\cos^2(\beta)-5i\sin^2(\beta)\cos^2(\beta)\right)+e^{-3i\gamma}\left(-5\sin^2(\beta)\cos^2(\beta)\cos^2(\beta)\right)+e^{-3i\gamma}\left(-5\sin^2(\beta)\cos^2(\beta)\cos^2(\beta)\right)+e^{-3i\gamma}\left(-5\sin^2(\beta)\cos^2(\beta)\cos^2(\beta)\right)+e^{-3i\gamma}\left(-5\sin^2(\beta)\cos^2(\beta)\cos^2(\beta)\right)+e^{-3i\gamma}\left(-5\sin^2(\beta)\cos^2(\beta)\cos^2(\beta)\right)+e^{-3i\gamma}\left(-5\sin^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\right)+e^{-3i\gamma}\left(-5\sin^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\right)+e^{-3i\gamma}\left(-5\sin^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\right)+e^{-3i\gamma}\left(-5\sin^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\right)+e^{-3i\gamma}\left(-5\sin^2(\beta)\cos^2(\beta)\cos^2(\beta)\right)+e^{-3i\gamma}\left(-5\sin^2(\beta)\cos^2(\beta)\cos^2(\beta)\right)+e^{-3i\gamma}\left(-5\sin^2(\beta)\cos^2(\beta)\cos^2(\beta)\right)+e^{-3i\gamma}\left(-5\sin^2(\beta)\cos^2(\beta)\cos^2(\beta)\right)+e^{-3i\gamma}\left(-5\sin^2(\beta)\cos^2(\beta)\cos^2(\beta)\right)+e^{-3i\gamma}\left(-5\sin^2(\beta)\cos^2(\beta)\cos^2(\beta)\right)+e^{-3i\gamma}\left(-5\sin^2(\beta)\cos^2(\beta)\cos^2(\beta)\right)+e^{-3i\gamma}\left(-5\sin^2(\beta)\cos^2(\beta)\cos^2(\beta)\right)+e^{-3i\gamma}\left(-5\sin^2(\beta)\cos^2(\beta)\cos^2(\beta)\right)+e^{-3i\gamma}\left(-5\sin^2(\beta)\cos^2(\beta)\cos^2(\beta)\right)+e^{-3i\gamma}\left(-5\sin^2(\beta)\cos^2(\beta)\cos^2(\beta)\right)+e^{-
+e^{5i\gamma}\left(\cos^5(\beta)+i\sin^5(\beta)\right)
+e^{-3i\gamma}\left(\cos^{5}(\beta)+2i\sin(\beta)\cos^{4}(\beta)-2\sin^{2}(\beta)\cos^{3}(\beta)-2i\sin^{3}(\beta)\cos^{2}(\beta)+2\sin^{4}(\beta)\cos(\beta)+i\sin^{5}(\beta)\right)\left(e^{5i\gamma}\left(-\sin^{2}(\beta)\cos^{3}(\beta)-2\sin^{2}(\beta)\cos^{3}(\beta)+2\sin^{4}(\beta)\cos(\beta)+i\sin^{5}(\beta)\right)\right)
+e^{i\gamma}(3i\sin(\beta)\cos^4(\beta)-7\sin^2(\beta)\cos^3(\beta)-7i\sin^3(\beta)\cos^2(\beta)+3\sin^4(\beta)\cos(\beta))+e^{-3i\gamma}(\cos^5(\beta)+2i\sin(\beta)\cos^4(\beta)-2\sin^2(\beta)\cos^2(\beta)+3\sin^4(\beta)\cos(\beta))
+e^{i\gamma}\left(2i\sin(\beta)\cos^4(\beta)-3\sin^2(\beta)\cos^3(\beta)-3i\sin^3(\beta)\cos^2(\beta)+2\sin^4(\beta)\cos(\beta)\right)\left(e^{5i\gamma}\left(i\sin(\beta)\cos^4(\beta)+\sin^4(\beta)\cos(\beta)\right)+2\sin^4(\beta)\cos^4(\beta)+\sin^4(\beta)\cos^4(\beta)+\sin^4(\beta)\cos^4(\beta)+\sin^4(\beta)\cos^4(\beta)+\sin^4(\beta)\cos^4(\beta)+\sin^4(\beta)\cos^4(\beta)+\sin^4(\beta)\cos^4(\beta)+\sin^4(\beta)\cos^4(\beta)+\sin^4(\beta)\cos^4(\beta)+\sin^4(\beta)\cos^4(\beta)+\sin^4(\beta)\cos^4(\beta)+\sin^4(\beta)\cos^4(\beta)+\sin^4(\beta)\cos^4(\beta)+\sin^4(\beta)\cos^4(\beta)+\sin^4(\beta)\cos^4(\beta)+\sin^4(\beta)\cos^4(\beta)+\sin^4(\beta)\cos^4(\beta)+\sin^4(\beta)\cos^4(\beta)+\sin^4(\beta)\cos^4(\beta)+\sin^4(\beta)\cos^4(\beta)+\sin^4(\beta)\cos^4(\beta)+\sin^4(\beta)\cos^4(\beta)+\sin^4(\beta)\cos^4(\beta)+\sin^4(\beta)\cos^4(\beta)+\sin^4(\beta)\cos^4(\beta)+\sin^4(\beta)\cos^4(\beta)+\sin^4(\beta)\cos^4(\beta)+\sin^4(\beta)\cos^4(\beta)+\sin^4(\beta)\cos^4(\beta)+\sin^4(\beta)\cos^4(\beta)+\sin^4(\beta)\cos^4(\beta)+\sin^4(\beta)\cos^4(\beta)+\sin^4(\beta)\cos^4(\beta)+\sin^4(\beta)\cos^4(\beta)+\sin^4(\beta)\cos^4(\beta)+\sin^4(\beta)\cos^4(\beta)+\sin^4(\beta)\cos^4(\beta)+\sin^4(\beta)\cos^4(\beta)+\sin^4(\beta)\cos^4(\beta)+\cos^4(\beta)+\cos^4(\beta)+\cos^4(\beta)+\cos^4(\beta)+\cos^4(\beta)+\cos^4(\beta)+\cos^4(\beta)+\cos^4(\beta)+\cos^4(\beta)+\cos^4(\beta)+\cos^4(\beta)+\cos^4(\beta)+\cos^4(\beta)+\cos^4(\beta)+\cos^4(\beta)+\cos^4(\beta)+\cos^4(\beta)+\cos^4(\beta)+\cos^4(\beta)+\cos^4(\beta)+\cos^4(\beta)+\cos^4(\beta)+\cos^4(\beta)+\cos^4(\beta)+\cos^4(\beta)+\cos^4(\beta)+\cos^4(\beta)+\cos^4(\beta)+\cos^4(\beta)+\cos^4(\beta)+\cos^4(\beta)+\cos^2(\beta)+\cos^2(\beta)+\cos^2(\beta)+\cos^2(\beta)+\cos^2(\beta)+\cos^2(\beta)+\cos^2(\beta)+\cos^2(\beta)+\cos^2(\beta)+\cos^2(\beta)+\cos^2(\beta)+\cos^2(\beta)+\cos^2(\beta)+\cos^2(\beta)+\cos^2(\beta)+\cos^2(\beta)+\cos^2(\beta)+\cos^2(\beta)+\cos^2(\beta)+\cos^2(\beta)+\cos^2(\beta)+\cos^2(\beta)+\cos^2(\beta)+\cos^2(\beta)+\cos^2(\beta)+\cos^2(\beta)+\cos^2(\beta)+\cos^2(\beta)+\cos^2(\beta)+\cos^2(\beta)+\cos^2(\beta)+\cos^2(\beta)+\cos^2(\beta)+\cos^2(\beta)+\cos^2(\beta)+\cos^2(\beta)+\cos^2(\beta)+\cos^2(\beta)+\cos^2(\beta)+\cos^2(\beta)+\cos^2(\beta)+\cos^2(\beta)+\cos^2(\beta)+\cos^2(\beta)+\cos^2(\beta)+\cos^2(\beta)+\cos^2(\beta)+\cos^2(\beta)+\cos^2(\beta)+\cos^2(\beta)+\cos^2(\beta)+\cos^2(\beta)+\cos^2(\beta)+\cos^2(\beta)+\cos^2(\beta)+\cos^2(\beta)+\cos^2(\beta)+\cos^2(\beta)+\cos^2(\beta)+\cos^2(\beta)+\cos^2(\beta)+\cos^2(\beta)+\cos^2(\beta)+\cos^2(\beta)+\cos^2(\beta)+\cos^2(\beta)+\cos^2(\beta)+\cos^2(\beta)+\cos^2(\beta)+\cos^2(\beta)+\cos^2(\beta)+\cos^2(\beta)+\cos^2(\beta)+\cos^2(\beta)+\cos^2(\beta)+\cos^2(\beta)+\cos^2(\beta)+\cos^2(\beta)+\cos^2(\beta)+\cos^2(\beta)+\cos^2(\beta)+\cos^2(\beta)+\cos^2(\beta)+\cos^2(\beta)+\cos^2(\beta)+\cos^2(\beta)+\cos^2(\beta)+\cos^2(\beta)+\cos^2(\beta)+\cos^2(\beta)+\cos^2(\beta)+\cos^2(\beta)+\cos^2(\beta)+\cos^2(\beta)+\cos^2(\beta)+\cos^2(\beta)+\cos^2(\beta)+\cos^2(\beta)+\cos^2(\beta)+\cos^2(\beta)+\cos^2(\beta)+\cos^2(\beta)+\cos^2(\beta)+\cos^2(\beta)+\cos^2(\beta)+\cos^2(\beta)+\cos^2(\beta)+\cos^2(\beta)+\cos^2(\beta)+\cos^2(\beta)+\cos^2(\beta)+\cos^2(\beta)+\cos^2(\beta)+\cos^2(\beta)+\cos^2(\beta)+\cos^2(\beta)+\cos^2(\beta)+\cos^2(\beta)+\cos^2(\beta)+\cos^2(\beta)+\cos^2(\beta)+\cos^2(\beta)+\cos^2(\beta)+\cos^2(\beta)+\cos^2(\beta)+\cos^2(\beta)+\cos^2(\beta)+\cos^2(\beta)+\cos^2(\beta)+\cos^2(\beta)+\cos^2(\beta)+\cos^2(\beta)+\cos^2(\beta)+\cos^2(\beta)+\cos^2(\beta)+\cos^2(\beta)+\cos^2(\beta)+\cos^2(\beta)+\cos^2(\beta)+\cos^2(\beta)+\cos^2(\beta)+\cos^2(\beta)+\cos^2(\beta)+\cos^2(\beta)+\cos^2(\beta)+\cos^2(\beta)+\cos^2(\beta)+\cos^2(\beta)+\cos^2(\beta)+\cos^2(\beta)+\cos^2(\beta)+\cos^2(\beta)+\cos^2(\beta)+\cos^2(\beta)+\cos^2(\beta)+\cos^2(\beta)+\cos^2(\beta)+\cos^2(\beta)+\cos^2(\beta)+\cos^2(\beta)+\cos^2(\beta)+\cos^2(\beta)+\cos^2(\beta)+\cos^2(\beta)+\cos^2(\beta)+\cos^2(\beta)+\cos^2(\beta)+\cos^2(\beta)+\cos^2(\beta)+\cos^2(\beta)+\cos^2(\beta)+\cos^2(\beta)+\cos^2(\beta)+\cos^2(\beta)+\cos
+e^{-3i\gamma}(2i\sin(\beta)\cos^4(\beta)-3\sin^2(\beta)\cos^3(\beta)-3i\sin^3(\beta)\cos^2(\beta)+2\sin^4(\beta)\cos(\beta))+e^{i\gamma}(\cos^5(\beta)+2i\sin(\beta)\cos^4(\beta)-7\sin^2(\beta)\cos^2(\beta)+2\sin^4(\beta)\cos^2(\beta)+2\sin^4(\beta)\cos^2(\beta)+2\sin^4(\beta)\cos^2(\beta)+2\sin^4(\beta)\cos^2(\beta)+2\sin^4(\beta)\cos^2(\beta)+2\sin^4(\beta)\cos^2(\beta)+2\sin^4(\beta)\cos^2(\beta)+2\sin^4(\beta)\cos^2(\beta)+2\sin^4(\beta)\cos^2(\beta)+2\sin^4(\beta)\cos^2(\beta)+2\sin^4(\beta)\cos^2(\beta)+2\sin^4(\beta)\cos^2(\beta)+2\sin^4(\beta)\cos^2(\beta)+2\sin^4(\beta)\cos^2(\beta)+2\sin^4(\beta)\cos^2(\beta)+2\sin^4(\beta)\cos^2(\beta)+2\sin^4(\beta)\cos^2(\beta)+2\sin^4(\beta)\cos^2(\beta)+2\sin^4(\beta)\cos^2(\beta)+2\sin^4(\beta)\cos^2(\beta)+2\sin^4(\beta)\cos^2(\beta)+2\sin^4(\beta)\cos^2(\beta)+2\sin^4(\beta)\cos^2(\beta)+2\sin^4(\beta)\cos^2(\beta)+2\sin^4(\beta)\cos^2(\beta)+2\sin^4(\beta)\cos^2(\beta)+2\sin^4(\beta)\cos^2(\beta)+2\sin^4(\beta)\cos^2(\beta)+2\sin^4(\beta)\cos^2(\beta)+2\sin^4(\beta)\cos^2(\beta)+2\sin^4(\beta)\cos^2(\beta)+2\sin^4(\beta)\cos^2(\beta)+2\sin^4(\beta)\cos^2(\beta)+2\sin^2(\beta)\cos^2(\beta)+2\sin^4(\beta)\cos^2(\beta)+2\sin^4(\beta)\cos^2(\beta)+2\sin^4(\beta)\cos^2(\beta)+2\sin^4(\beta)\cos^2(\beta)+2\sin^4(\beta)\cos^2(\beta)+2\sin^4(\beta)\cos^2(\beta)+2\sin^4(\beta)\cos^2(\beta)+2\sin^4(\beta)\cos^2(\beta)+2\sin^4(\beta)\cos^2(\beta)+2\sin^4(\beta)\cos^2(\beta)+2\sin^4(\beta)\cos^2(\beta)+2\sin^4(\beta)\cos^2(\beta)+2\sin^4(\beta)\cos^2(\beta)+2\sin^4(\beta)\cos^2(\beta)+2\sin^4(\beta)\cos^2(\beta)+2\sin^4(\beta)\cos^2(\beta)+2\sin^4(\beta)\cos^2(\beta)+2\sin^4(\beta)\cos^2(\beta)+2\sin^4(\beta)\cos^2(\beta)+2\sin^4(\beta)\cos^2(\beta)+2\sin^4(\beta)\cos^2(\beta)+2\sin^4(\beta)\cos^2(\beta)+2\sin^4(\beta)\cos^2(\beta)+2\sin^4(\beta)\cos^2(\beta)+2\sin^4(\beta)\cos^2(\beta)+2\sin^4(\beta)\cos^2(\beta)+2\sin^4(\beta)\cos^2(\beta)+2\sin^4(\beta)\cos^2(\beta)+2\sin^4(\beta)\cos^2(\beta)+2\sin^4(\beta)\cos^2(\beta)+2\sin^4(\beta)\cos^2(\beta)+2\sin^2(\beta)\cos^2(\beta)+2\sin^2(\beta)\cos^2(\beta)+2\sin^2(\beta)\cos^2(\beta)\cos^2(\beta)+2\sin^2(\beta)\cos^2(\beta)\cos^2(\beta)+2\sin^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta
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p = 0.9255451915878105

 $+e^{i\gamma}\left(i\sin(\beta)\cos^4(\beta)-4\sin^2(\beta)\cos^3(\beta)-4i\sin^3(\beta)\cos^2(\beta)+\sin^4(\beta)\cos(\beta)\right)\left(e^{5i\gamma}\left(-\sin^2(\beta)\cos^3(\beta)-i\sin^3(\beta)\cos^2(\beta)\right)+e^{-3i\gamma}\left(i\sin(\beta)\cos^4(\beta)-4\sin^2(\beta)\cos^3(\beta)-4i\sin^3(\beta)\cos^2(\beta)+\sin^4(\beta)\cos(\beta)\right)+e^{i\gamma}\left(\cos^5(\beta)+4i\sin(\beta)\cos^4(\beta)-5\sin^2(\beta)\cos^2(\beta)\right)+e^{-3i\gamma}\left(\sin(\beta)\cos^4(\beta)-4\sin^2(\beta)\cos^3(\beta)-4i\sin^3(\beta)\cos^2(\beta)+\sin^4(\beta)\cos(\beta)\right)+e^{-3i\gamma}\left(\sin(\beta)\cos^4(\beta)-4\sin^2(\beta)\cos^3(\beta)-4i\sin^3(\beta)\cos^2(\beta)+\sin^4(\beta)\cos(\beta)\right)$

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(2ie^{6i\gamma}\cos^3(\beta)(2ie^{-6i\gamma}\cos^3(\beta)\sin^3(\beta) + e^{-2i\gamma}(-9\sin^2(\beta)\cos^4(\beta) + 12i\sin^3(\beta)\cos^3(\beta) + 9\sin^4(\beta)\cos^2(\beta))
+e^{2i\gamma}\left(-6i\sin(\beta)\cos^{5}(\beta)-6\sin^{2}(\beta)\cos^{4}(\beta)+6i\sin^{3}(\beta)\cos^{3}(\beta)+6\sin^{4}(\beta)\cos^{2}(\beta)-6i\sin^{5}(\beta)\cos(\beta)\right)
 +e^{6i\gamma}\left(\cos^6(\beta)-\sin^6(\beta)\right)\sin^3(\beta)
+12ie^{2i\gamma}\cos^{3}(\beta)\left(2ie^{-6i\gamma}\cos^{3}(\beta)\sin^{3}(\beta)+e^{6i\gamma}\left(\cos^{2}(\beta)\sin^{4}(\beta)-\cos^{4}(\beta)\sin^{2}(\beta)\right)\right)
+e^{-2i\gamma}\left(-2i\sin(\beta)\cos^{5}(\beta)-9\sin^{2}(\beta)\cos^{4}(\beta)+8i\sin^{3}(\beta)\cos^{3}(\beta)+9\sin^{4}(\beta)\cos^{2}(\beta)-2i\sin^{5}(\beta)\cos(\beta)\right)
+e^{2i\gamma}\left(\cos^{6}(\beta)-4i\sin(\beta)\cos^{5}(\beta)-5\sin^{2}(\beta)\cos^{4}(\beta)+10i\sin^{3}(\beta)\cos^{3}(\beta)+5\sin^{4}(\beta)\cos^{2}(\beta)-4i\sin^{5}(\beta)\cos(\beta)-\sin^{6}(\beta)\right)\right)si
+6ie^{-2i\gamma}\cos^{3}(\beta)\left(2ie^{-6i\gamma}\cos^{3}(\beta)\sin^{3}(\beta)+e^{6i\gamma}\left(\cos^{2}(\beta)\sin^{4}(\beta)-\cos^{4}(\beta)\sin^{2}(\beta)\right)\right)
+e^{2i\gamma}\left(-2i\sin(\beta)\cos^{5}(\beta)-6\sin^{2}(\beta)\cos^{4}(\beta)+14i\sin^{3}(\beta)\cos^{3}(\beta)+6\sin^{4}(\beta)\cos^{2}(\beta)-2i\sin^{5}(\beta)\cos(\beta)\right)
+e^{-2i\gamma}\left(\cos^{6}(\beta)-4i\sin(\beta)\cos^{5}(\beta)-8\sin^{2}(\beta)\cos^{4}(\beta)+4i\sin^{3}(\beta)\cos^{3}(\beta)+8\sin^{4}(\beta)\cos^{2}(\beta)-4i\sin^{5}(\beta)\cos(\beta)-\sin^{6}(\beta)\right)\right)\sin^{2}(\beta)\cos^{2}(\beta)
+e^{-6i\gamma}\left(\cos^6(\beta)-\sin^6(\beta)\right)\left(2ie^{6i\gamma}\cos^3(\beta)\sin^3(\beta)\right)
+e^{2i\gamma}\left(-9\sin^2(\beta)\cos^4(\beta)+12i\sin^3(\beta)\cos^3(\beta)+9\sin^4(\beta)\cos^2(\beta)\right)
+e^{-2i\gamma}\left(-6i\sin(\beta)\cos^{5}(\beta)-6\sin^{2}(\beta)\cos^{4}(\beta)+6i\sin^{3}(\beta)\cos^{3}(\beta)+6\sin^{4}(\beta)\cos^{2}(\beta)-6i\sin^{5}(\beta)\cos(\beta)\right)
+e^{-6i\gamma}\left(\cos^6(\beta)-\sin^6(\beta)\right)
+e^{-2i\gamma}\left(-6i\sin(\beta)\cos^5(\beta)-6i\sin^5(\beta)\cos(\beta)\right)\left(e^{6i\gamma}\left(\cos^2(\beta)\sin^4(\beta)-\cos^4(\beta)\sin^2(\beta)\right)
+e^{-6i\gamma}\left(-i\sin(\beta)\cos^{5}(\beta)-i\sin^{5}(\beta)\cos(\beta)\right)+e^{2i\gamma}\left(-3i\sin(\beta)\cos^{5}(\beta)-6\sin^{2}(\beta)\cos^{4}(\beta)+12i\sin^{3}(\beta)\cos^{3}(\beta)+6\sin^{4}(\beta)\cos^{5}(\beta)\right)
+e^{-2i\gamma}\left(\cos^{6}(\beta)-2i\sin(\beta)\cos^{5}(\beta)-8\sin^{2}(\beta)\cos^{4}(\beta)+8i\sin^{3}(\beta)\cos^{3}(\beta)+8\sin^{4}(\beta)\cos^{2}(\beta)-2i\sin^{5}(\beta)\cos(\beta)-\sin^{6}(\beta)\right)
+e^{2i\gamma}\left(6\cos^{2}(\beta)\sin^{4}(\beta)-6\cos^{4}(\beta)\sin^{2}(\beta)\right)\left(e^{-6i\gamma}\left(\cos^{2}(\beta)\sin^{4}(\beta)-\cos^{4}(\beta)\sin^{2}(\beta)\right)+e^{6i\gamma}\left(-i\sin(\beta)\cos^{5}(\beta)-i\sin^{5}(\beta)\cos^{2}(\beta)\sin^{4}(\beta)-\cos^{4}(\beta)\sin^{4}(\beta)-\cos^{4}(\beta)\sin^{4}(\beta)-\cos^{4}(\beta)\sin^{4}(\beta)-\cos^{4}(\beta)\sin^{4}(\beta)-\cos^{4}(\beta)\sin^{4}(\beta)-\cos^{4}(\beta)\sin^{4}(\beta)-\cos^{4}(\beta)\sin^{4}(\beta)-\cos^{4}(\beta)\sin^{4}(\beta)-\cos^{4}(\beta)\sin^{4}(\beta)-\cos^{4}(\beta)\sin^{4}(\beta)-\cos^{4}(\beta)\sin^{4}(\beta)-\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)
+e^{-2i\gamma}\left(-3i\sin(\beta)\cos^{5}(\beta)-6\sin^{2}(\beta)\cos^{4}(\beta)+12i\sin^{3}(\beta)\cos^{3}(\beta)+6\sin^{4}(\beta)\cos^{2}(\beta)-3i\sin^{5}(\beta)\cos(\beta)\right)+e^{2i\gamma}\left(\cos^{6}(\beta)-2i\sin^{4}(\beta)\cos^{2}(\beta)-3i\sin^{5}(\beta)\cos^{5}(\beta)\right)
+e^{-2i\gamma}\left(6\cos^{2}(\beta)\sin^{4}(\beta)-6\cos^{4}(\beta)\sin^{2}(\beta)\right)\left(2ie^{6i\gamma}\cos^{3}(\beta)\sin^{3}(\beta)+e^{-6i\gamma}\left(\cos^{2}(\beta)\sin^{4}(\beta)-\cos^{4}(\beta)\sin^{2}(\beta)\right)\right)
+e^{2i\gamma}\left(-2i\sin(\beta)\cos^{5}(\beta)-9\sin^{2}(\beta)\cos^{4}(\beta)+8i\sin^{3}(\beta)\cos^{3}(\beta)+9\sin^{4}(\beta)\cos^{2}(\beta)-2i\sin^{5}(\beta)\cos(\beta)\right)+e^{-2i\gamma}\left(\cos^{6}(\beta)-4i\sin^{2}(\beta)\cos^{2}(\beta)+9\sin^{4}(\beta)\cos^{2}(\beta)-2i\sin^{5}(\beta)\cos(\beta)\right)
+e^{2i\gamma}\left(3\cos^{2}(\beta)\sin^{4}(\beta)-3\cos^{4}(\beta)\sin^{2}(\beta)\right)\left(2ie^{6i\gamma}\cos^{3}(\beta)\sin^{3}(\beta)+e^{-6i\gamma}\left(\cos^{2}(\beta)\sin^{4}(\beta)-\cos^{4}(\beta)\sin^{2}(\beta)\right)+e^{-2i\gamma}\left(-2i\sin^{4}(\beta)\cos^{2}(\beta)\sin^{4}(\beta)-\cos^{4}(\beta)\sin^{2}(\beta)\right)\right)
+e^{2i\gamma}\left(\cos^{6}(\beta)-4i\sin(\beta)\cos^{5}(\beta)-8\sin^{2}(\beta)\cos^{4}(\beta)+4i\sin^{3}(\beta)\cos^{3}(\beta)+8\sin^{4}(\beta)\cos^{2}(\beta)-4i\sin^{5}(\beta)\cos(\beta)-\sin^{6}(\beta)\right)\right)\left(-4i\sin^{2}(\beta)\cos^{2}(\beta)-4i\sin^{2}(\beta)\cos^{2}(\beta)+3\sin^{2}(\beta)\cos^{2}(\beta)+4i\sin^{2}(\beta)\cos^{2}(\beta)+3\sin^{2}(\beta)\cos^{2}(\beta)+3\sin^{2}(\beta)\cos^{2}(\beta)+3\sin^{2}(\beta)\cos^{2}(\beta)+3\sin^{2}(\beta)\cos^{2}(\beta)+3\sin^{2}(\beta)\cos^{2}(\beta)+3\sin^{2}(\beta)\cos^{2}(\beta)+3\sin^{2}(\beta)\cos^{2}(\beta)+3\sin^{2}(\beta)\cos^{2}(\beta)+3\sin^{2}(\beta)\cos^{2}(\beta)+3\sin^{2}(\beta)\cos^{2}(\beta)+3\sin^{2}(\beta)\cos^{2}(\beta)+3\sin^{2}(\beta)\cos^{2}(\beta)+3\sin^{2}(\beta)\cos^{2}(\beta)+3\sin^{2}(\beta)\cos^{2}(\beta)+3\sin^{2}(\beta)\cos^{2}(\beta)+3\sin^{2}(\beta)\cos^{2}(\beta)+3\sin^{2}(\beta)\cos^{2}(\beta)+3\sin^{2}(\beta)\cos^{2}(\beta)+3\sin^{2}(\beta)\cos^{2}(\beta)+3\sin^{2}(\beta)\cos^{2}(\beta)+3\sin^{2}(\beta)\cos^{2}(\beta)+3\sin^{2}(\beta)\cos^{2}(\beta)+3\sin^{2}(\beta)\cos^{2}(\beta)+3\sin^{2}(\beta)\cos^{2}(\beta)+3\sin^{2}(\beta)\cos^{2}(\beta)+3\sin^{2}(\beta)\cos^{2}(\beta)+3\sin^{2}(\beta)\cos^{2}(\beta)+3\sin^{2}(\beta)\cos^{2}(\beta)+3\sin^{2}(\beta)\cos^{2}(\beta)+3\sin^{2}(\beta)\cos^{2}(\beta)+3\sin^{2}(\beta)\cos^{2}(\beta)+3\sin^{2}(\beta)\cos^{2}(\beta)+3\sin^{2}(\beta)\cos^{2}(\beta)+3\sin^{2}(\beta)\cos^{2}(\beta)+3\sin^{2}(\beta)\cos^{2}(\beta)+3\sin^{2}(\beta)\cos^{2}(\beta)+3\sin^{2}(\beta)\cos^{2}(\beta)+3\sin^{2}(\beta)\cos^{2}(\beta)+3\sin^{2}(\beta)\cos^{2}(\beta)+3\sin^{2}(\beta)\cos^{2}(\beta)+3\sin^{2}(\beta)\cos^{2}(\beta)+3\sin^{2}(\beta)\cos^{2}(\beta)+3\sin^{2}(\beta)\cos^{2}(\beta)+3\sin^{2}(\beta)\cos^{2}(\beta)+3\sin^{2}(\beta)\cos^{2}(\beta)+3\sin^{2}(\beta)\cos^{2}(\beta)+3\sin^{2}(\beta)\cos^{2}(\beta)+3\sin^{2}(\beta)\cos^{2}(\beta)+3\sin^{2}(\beta)\cos^{2}(\beta)+3\sin^{2}(\beta)\cos^{2}(\beta)+3\sin^{2}(\beta)\cos^{2}(\beta)+3\sin^{2}(\beta)\cos^{2}(\beta)+3\sin^{2}(\beta)\cos^{2}(\beta)+3\sin^{2}(\beta)\cos^{2}(\beta)+3\sin^{2}(\beta)\cos^{2}(\beta)+3\sin^{2}(\beta)\cos^{2}(\beta)+3\sin^{2}(\beta)\cos^{2}(\beta)+3\sin^{2}(\beta)\cos^{2}(\beta)+3\sin^{2}(\beta)\cos^{2}(\beta)+3\sin^{2}(\beta)\cos^{2}(\beta)+3\sin^{2}(\beta)\cos^{2}(\beta)+3\sin^{2}(\beta)\cos^{2}(\beta)+3\sin^{2}(\beta)\cos^{2}(\beta)+3\sin^{2}(\beta)\cos^{2}(\beta)+3\sin^{2}(\beta)\cos^{2}(\beta)+3\sin^{2}(\beta)\cos^{2}(\beta)+3\sin^{2}(\beta)\cos^{2}(\beta)+3\sin^{2}(\beta)\cos^{2}(\beta)+3\sin^{2}(\beta)\cos^{2}(\beta)+3\sin^{2}(\beta)\cos^{2}(\beta)+3\sin^{2}(\beta)\cos^{2}(\beta)+3\sin^{2}(\beta)\cos^{2}(\beta)+3\sin^{2}(\beta)\cos^{2}(\beta)+3\sin^{2}(\beta)\cos^{2}(\beta)+3\sin^{2}(\beta)\cos^{2}(\beta)+3\sin^{2}(\beta)\cos^{2}(\beta)+3\sin^{2}(\beta)\cos^{2}(\beta)+3\sin^{2}(\beta)\cos^{2}(\beta)+3\sin^{2}(\beta)\cos^{2}(\beta)+3\sin^{2}(\beta)\cos^{2}(\beta)+3\sin^{2}(\beta)\cos^{2}(\beta)+3\sin^{2}(\beta)\cos^{2}(\beta)+3\sin^{2}(\beta)\cos^{2}(\beta)+3\sin^{2}(\beta)\cos^{2}(\beta)+3\sin^{2}(\beta)\cos^{2}(\beta)+3\sin^{2}(\beta)\cos^{2}(\beta)+3\sin^{2}(\beta)\cos^{2}(\beta)+3\sin^{2}(\beta)\cos^{2}(\beta)+3\sin^{2}(\beta)\cos^{2}(\beta)+3\sin^{2}(\beta)\cos^{2}(\beta)+3\sin^{2}(\beta)\cos^{2}(\beta)+3\sin^{2}(\beta)\cos^{2}(\beta)+3\sin^{2}(\beta)\cos^{2}(\beta)+3\sin^{2}(\beta)\cos^{2}(\beta)+3\sin^{2}(\beta)\cos^{2}(\beta)+3\sin^{2}(\beta)\cos^{2}(\beta)+3\sin^{2}(\beta)\cos^{2}(\beta)+3\sin^{2}(\beta)\cos^{2}(\beta)+3\sin^{2}(\beta)\cos^{2}(\beta)+3\sin^{2}(\beta)\cos^{2}(\beta)+3\sin^{2}(\beta)\cos^{2}(\beta)+3\sin^{2}(\beta)+3\sin^{2}(\beta)\cos^{2}(\beta)+3\sin^{
+e^{2i\gamma}\left(-9\sin^2(\beta)\cos^4(\beta)-12i\sin^3(\beta)\cos^3(\beta)+9\sin^4(\beta)\cos^2(\beta)\right)+e^{-2i\gamma}\left(6i\sin(\beta)\cos^5(\beta)-6\sin^2(\beta)\cos^4(\beta)-6i\sin^3(\beta)\cos^3(\beta)+9\sin^4(\beta)\cos^2(\beta)\right)
+e^{-6i\gamma}\left(\cos^6(\beta)-\sin^6(\beta)\right)\sin^3(\beta)
 -12ie^{-2i\gamma}\cos^{3}(\beta)\left(-2ie^{6i\gamma}\cos^{3}(\beta)\sin^{3}(\beta)+e^{-6i\gamma}\left(\cos^{2}(\beta)\sin^{4}(\beta)-\cos^{4}(\beta)\sin^{2}(\beta)\right)+e^{2i\gamma}\left(2i\sin(\beta)\cos^{5}(\beta)-9\sin^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2
+e^{-2i\gamma}\left(\cos^{6}(\beta)+4i\sin(\beta)\cos^{5}(\beta)-5\sin^{2}(\beta)\cos^{4}(\beta)-10i\sin^{3}(\beta)\cos^{3}(\beta)+5\sin^{4}(\beta)\cos^{2}(\beta)+4i\sin^{5}(\beta)\cos(\beta)-\sin^{6}(\beta)\right)
 -6ie^{2i\gamma}\cos^{3}(\beta)\left(-2ie^{6i\gamma}\cos^{3}(\beta)\sin^{3}(\beta)+e^{-6i\gamma}\left(\cos^{2}(\beta)\sin^{4}(\beta)-\cos^{4}(\beta)\sin^{2}(\beta)\right)+e^{-2i\gamma}\left(2i\sin(\beta)\cos^{5}(\beta)-6\sin^{2}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)-\cos^{4}(\beta)\sin^{2}(\beta)\right)+e^{-2i\gamma}\cos^{4}(\beta)\sin^{2}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos
+e^{2i\gamma}\left(\cos^{6}(\beta)+4i\sin(\beta)\cos^{5}(\beta)-8\sin^{2}(\beta)\cos^{4}(\beta)-4i\sin^{3}(\beta)\cos^{3}(\beta)+8\sin^{4}(\beta)\cos^{2}(\beta)+4i\sin^{5}(\beta)\cos(\beta)-\sin^{6}(\beta)\right)\right) sin
+e^{6i\gamma} \left(\cos^{6}(\beta)-\sin^{6}(\beta)\right) \left(-2ie^{-6i\gamma} \cos^{3}(\beta) \sin^{3}(\beta)+e^{-2i\gamma} \left(-9 \sin^{2}(\beta) \cos^{4}(\beta)-12 i \sin^{3}(\beta) \cos^{3}(\beta)+9 \sin^{4}(\beta) \cos^{2}(\beta)\right) +e^{-2i\gamma} \left(-9 \sin^{2}(\beta) \cos^{4}(\beta)-12 i \sin^{3}(\beta) \cos^{3}(\beta)+9 \sin^{4}(\beta) \cos^{2}(\beta)\right) +e^{-2i\gamma} \left(-9 \sin^{2}(\beta) \cos^{4}(\beta)-12 i \sin^{3}(\beta) \cos^{3}(\beta)+9 \sin^{4}(\beta) \cos^{2}(\beta)\right) +e^{-2i\gamma} \left(-9 \sin^{2}(\beta) \cos^{4}(\beta)-12 i \sin^{3}(\beta) \cos^{3}(\beta)+9 \sin^{4}(\beta) \cos^{2}(\beta)\right) +e^{-2i\gamma} \left(-9 \sin^{2}(\beta) \cos^{4}(\beta)-12 i \sin^{3}(\beta) \cos^{3}(\beta)+9 \sin^{4}(\beta) \cos^{2}(\beta)\right) +e^{-2i\gamma} \left(-9 \sin^{2}(\beta) \cos^{4}(\beta)-12 i \sin^{3}(\beta) \cos^{3}(\beta)+9 \sin^{4}(\beta) \cos^{2}(\beta)\right) +e^{-2i\gamma} \left(-9 \sin^{2}(\beta) \cos^{4}(\beta) \cos^{4}(\beta) \cos^{4}(\beta) \cos^{4}(\beta) \cos^{4}(\beta) \cos^{4}(\beta)\right) +e^{-2i\gamma} \left(-9 \sin^{2}(\beta) \cos^{4}(\beta) \cos^{4}(\beta) \cos^{4}(\beta) \cos^{4}(\beta)\right) +e^{-2i\gamma} \left(-9 \sin^{2}(\beta) \cos^{4}(\beta) \cos^{4}(\beta) \cos^{4}(\beta)\right) +e^{-2i\gamma} \left(-9 \sin^{4}(\beta) \cos^{4}(\beta) \cos^{4}(\beta) \cos^{4}(\beta)\right) +e^{-2i\gamma} \left(-9 \cos^{4}(\beta) \cos^{4}(\beta) \cos^{4}(\beta) \cos^{4}(\beta)\right) +e^{-2i\gamma} \left(-9 \sin^{4}(\beta) \cos^{4}(\beta) \cos^{4}(\beta)\right) +e^{-2i\gamma} \left(-9 \sin^{4}(\beta) \cos^{4}(\beta) \cos^{4}(\beta)\right) +e^{-2i\gamma} \left(-9 \sin^{4}(\beta) \cos^{4}(\beta) \cos^{4}(\beta)\right) +e^{-2i\gamma} \left(-9 \cos^{4}(\beta) \cos^{4}(\beta) \cos^{4}(\beta)\right) +e^{
+e^{2i\gamma}\left(6i\sin(\beta)\cos^{5}(\beta)-6\sin^{2}(\beta)\cos^{4}(\beta)-6i\sin^{3}(\beta)\cos^{3}(\beta)+6\sin^{4}(\beta)\cos^{2}(\beta)+6i\sin^{5}(\beta)\cos(\beta)\right)+e^{6i\gamma}\left(\cos^{6}(\beta)-\sin^{6}(\beta)\cos^{4}(\beta)-6i\sin^{3}(\beta)\cos^{3}(\beta)+6\sin^{4}(\beta)\cos^{2}(\beta)+6i\sin^{5}(\beta)\cos(\beta)\right)
+e^{-2i\gamma}\left(6\cos^{2}(\beta)\sin^{4}(\beta)-6\cos^{4}(\beta)\sin^{2}(\beta)\right)\left(e^{6i\gamma}\left(\cos^{2}(\beta)\sin^{4}(\beta)-\cos^{4}(\beta)\sin^{2}(\beta)\right)+e^{-6i\gamma}\left(i\sin(\beta)\cos^{5}(\beta)+i\sin^{5}(\beta)\cos^{2}(\beta)\sin^{4}(\beta)-\cos^{4}(\beta)\sin^{4}(\beta)-\cos^{4}(\beta)\sin^{4}(\beta)-\cos^{4}(\beta)\sin^{4}(\beta)-\cos^{4}(\beta)\sin^{4}(\beta)-\cos^{4}(\beta)\sin^{4}(\beta)-\cos^{4}(\beta)\sin^{4}(\beta)-\cos^{4}(\beta)\sin^{4}(\beta)-\cos^{4}(\beta)\sin^{4}(\beta)-\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{
+e^{2i\gamma}\left(3i\sin(\beta)\cos^{5}(\beta)-6\sin^{2}(\beta)\cos^{4}(\beta)-12i\sin^{3}(\beta)\cos^{3}(\beta)+6\sin^{4}(\beta)\cos^{2}(\beta)+3i\sin^{5}(\beta)\cos(\beta)\right)+e^{-2i\gamma}\left(\cos^{6}(\beta)+2i\sin^{3}(\beta)\cos^{3}(\beta)+6\sin^{4}(\beta)\cos^{2}(\beta)+3i\sin^{5}(\beta)\cos(\beta)\right)
+e^{2i\gamma}\left(6i\sin(\beta)\cos^5(\beta)+6i\sin^5(\beta)\cos(\beta)\right)\left(e^{-6i\gamma}\left(\cos^2(\beta)\sin^4(\beta)-\cos^4(\beta)\sin^2(\beta)\right)+e^{6i\gamma}\left(i\sin(\beta)\cos^5(\beta)+i\sin^5(\beta)\cos(\beta)\right)\right)
+e^{-2i\gamma}\left(3i\sin(\beta)\cos^{5}(\beta)-6\sin^{2}(\beta)\cos^{4}(\beta)-12i\sin^{3}(\beta)\cos^{3}(\beta)+6\sin^{4}(\beta)\cos^{2}(\beta)+3i\sin^{5}(\beta)\cos(\beta)\right)+e^{2i\gamma}\left(\cos^{6}(\beta)+2i\sin^{4}(\beta)\cos^{2}(\beta)+3i\sin^{5}(\beta)\cos(\beta)\right)
+e^{2i\gamma} \left(6\cos^2(\beta)\sin^4(\beta) - 6\cos^4(\beta)\sin^2(\beta)\right) \left(-2ie^{-6i\gamma}\cos^3(\beta)\sin^3(\beta) + e^{6i\gamma}\left(\cos^2(\beta)\sin^4(\beta) - \cos^4(\beta)\sin^2(\beta)\right)\right)
+e^{-2i\gamma}\left(2i\sin(\beta)\cos^{5}(\beta)-9\sin^{2}(\beta)\cos^{4}(\beta)-8i\sin^{3}(\beta)\cos^{3}(\beta)+9\sin^{4}(\beta)\cos^{2}(\beta)+2i\sin^{5}(\beta)\cos(\beta)\right)+e^{2i\gamma}\left(\cos^{6}(\beta)+4i\sin^{3}(\beta)\cos^{4}(\beta)-8i\sin^{3}(\beta)\cos^{3}(\beta)+9\sin^{4}(\beta)\cos^{2}(\beta)+2i\sin^{5}(\beta)\cos(\beta)\right)+e^{2i\gamma}\left(\cos^{6}(\beta)+4i\sin^{3}(\beta)\cos^{4}(\beta)-8i\sin^{3}(\beta)\cos^{3}(\beta)+9\sin^{4}(\beta)\cos^{2}(\beta)+2i\sin^{5}(\beta)\cos(\beta)\right)+e^{2i\gamma}\left(\cos^{6}(\beta)+4i\sin^{4}(\beta)\cos^{4}(\beta)-8i\sin^{4}(\beta)\cos^{4}(\beta)+8i\sin^{4}(\beta)\cos^{4}(\beta)+8i\sin^{4}(\beta)\cos^{4}(\beta)+8i\sin^{4}(\beta)\cos^{4}(\beta)+8i\sin^{4}(\beta)\cos^{4}(\beta)+8i\sin^{4}(\beta)\cos^{4}(\beta)+8i\sin^{4}(\beta)\cos^{4}(\beta)+8i\sin^{4}(\beta)\cos^{4}(\beta)+8i\sin^{4}(\beta)\cos^{4}(\beta)+8i\sin^{4}(\beta)\cos^{4}(\beta)+8i\sin^{4}(\beta)\cos^{4}(\beta)+8i\sin^{4}(\beta)\cos^{4}(\beta)+8i\sin^{4}(\beta)\cos^{4}(\beta)+8i\sin^{4}(\beta)\cos^{4}(\beta)+8i\sin^{4}(\beta)\cos^{4}(\beta)+8i\sin^{4}(\beta)\cos^{4}(\beta)+8i\sin^{4}(\beta)\cos^{4}(\beta)+8i\sin^{4}(\beta)\cos^{4}(\beta)+8i\sin^{4}(\beta)\cos^{4}(\beta)+8i\sin^{4}(\beta)\cos^{4}(\beta)+8i\sin^{4}(\beta)\cos^{4}(\beta)+8i\sin^{4}(\beta)\cos^{4}(\beta)+8i\sin^{4}(\beta)\cos^{4}(\beta)+8i\sin^{4}(\beta)\cos^{4}(\beta)+8i\sin^{4}(\beta)\cos^{4}(\beta)+8i\sin^{4}(\beta)\cos^{4}(\beta)+8i\sin^{4}(\beta)\cos^{4}(\beta)+8i\sin^{4}(\beta)\cos^{4}(\beta)+8i\sin^{4}(\beta)\cos^{4}(\beta)+8i\sin^{4}(\beta)\cos^{4}(\beta)+8i\sin^{4}(\beta)\cos^{4}(\beta)+8i\sin^{4}(\beta)\cos^{4}(\beta)+8i\sin^{4}(\beta)\cos^{4}(\beta)+8i\sin^{4}(\beta)\cos^{4}(\beta)+8i\sin^{4}(\beta)\cos^{4}(\beta)+8i\sin^{4}(\beta)\cos^{4}(\beta)+8i\sin^{4}(\beta)\cos^{4}(\beta)+8i\sin^{4}(\beta)\cos^{4}(\beta)+8i\sin^{4}(\beta)\cos^{4}(\beta)+8i\sin^{4}(\beta)\cos^{4}(\beta)+8i\sin^{4}(\beta)\cos^{4}(\beta)+8i\sin^{4}(\beta)\cos^{4}(\beta)+8i\sin^{4}(\beta)\cos^{4}(\beta)+8i\sin^{4}(\beta)\cos^{4}(\beta)+8i\sin^{4}(\beta)\cos^{4}(\beta)+8i\sin^{4}(\beta)\cos^{4}(\beta)+8i\sin^{4}(\beta)\cos^{4}(\beta)+8i\sin^{4}(\beta)\cos^{4}(\beta)+8i\sin^{4}(\beta)\cos^{4}(\beta)+8i\sin^{4}(\beta)\cos^{4}(\beta)+8i\sin^{4}(\beta)\cos^{4}(\beta)+8i\sin^{4}(\beta)\cos^{4}(\beta)+8i\sin^{4}(\beta)\cos^{4}(\beta)+8i\sin^{4}(\beta)\cos^{4}(\beta)+8i\sin^{4}(\beta)\cos^{4}(\beta)+8i\sin^{4}(\beta)\cos^{4}(\beta)+8i\sin^{4}(\beta)\cos^{4}(\beta)+8i\sin^{4}(\beta)\cos^{4}(\beta)+8i\sin^{4}(\beta)\cos^{4}(\beta)+8i\sin^{4}(\beta)\cos^{4}(\beta)+8i\sin^{4}(\beta)\cos^{4}(\beta)+8i\sin^{4}(\beta)\cos^{4}(\beta)+8i\sin^{4}(\beta)\cos^{4}(\beta)+8i\sin^{4}(\beta)\cos^{4}(\beta)+8i\sin^{4}(\beta)\cos^{4}(\beta)+8i\sin^{4}(\beta)\cos^{4}(\beta)+8i\sin^{4}(\beta)\cos^{4}(\beta)+8i\sin^{4}(\beta)\cos^{4}(\beta)+8i\sin^{4}(\beta)\cos^{4}(\beta)+8i\sin^{4}(\beta)\cos^{4}(\beta)+8i\sin^{4}(\beta)\cos^{4}(\beta)+8i\sin^{4}(\beta)\cos^{4}(\beta)+8i\sin^{4}(\beta)\cos^{4}(\beta)+8i\sin^{4}(\beta)\cos^{4}(\beta)+8i\sin^{4}(\beta)\cos^{4}(\beta)+8i\sin^{4}(\beta)\cos^{4}(\beta)+8i\sin^{4}(\beta)\cos^{4}(\beta)+8i\sin^{4}(\beta)\cos^{4}(\beta)+8i\sin^{4}(\beta)\cos^{4}(\beta)+8i\sin^{4}(\beta)\cos^{4}(\beta)+8i\sin^{4}(\beta)\cos^{4}(\beta)+8i\sin^{4}(\beta)\cos^{4}(\beta)+8i\sin^{4}(\beta)\cos^{4}(\beta)+8i\sin^{4}(\beta)\cos^{4}(\beta)+8i\sin^{4}(\beta)\cos^{4}(\beta)+8i\sin^{4}(\beta)\cos^{4}(\beta)+8i\sin^{4}(\beta)\cos^{4}(\beta)+8i\sin^{4}(\beta)\cos^{4}(\beta)+8i\sin^{4}(\beta)+8i\sin^{4}(\beta)+8i\sin^{4}(\beta)+8i\sin^{4}(\beta)+8i\sin^{4}(\beta)+
+e^{-2i\gamma}\left(3\cos^{2}(\beta)\sin^{4}(\beta)-3\cos^{4}(\beta)\sin^{2}(\beta)\right)\left(-2ie^{-6i\gamma}\cos^{3}(\beta)\sin^{3}(\beta)+e^{6i\gamma}\left(\cos^{2}(\beta)\sin^{4}(\beta)-\cos^{4}(\beta)\sin^{2}(\beta)\right)\right)
+e^{2i\gamma}(2i\sin(\beta)\cos^5(\beta)-6\sin^2(\beta)\cos^4(\beta)-14i\sin^3(\beta)\cos^3(\beta)+6\sin^4(\beta)\cos^2(\beta)+2i\sin^5(\beta)\cos(\beta))+e^{-2i\gamma}(\cos^6(\beta)+4i\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^
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\left(e^{-6i\gamma}\left(-i\sin(\beta)\cos^5(\beta)-i\sin^5(\beta)\cos(\beta)\right)\left(2ie^{6i\gamma}\cos^3(\beta)\sin^3(\beta)\right)
+e^{2i\gamma}(-9\sin^2(\beta)\cos^4(\beta)+12i\sin^3(\beta)\cos^3(\beta)+9\sin^4(\beta)\cos^2(\beta))
+e^{-2i\gamma}\left(-6i\sin(\beta)\cos^{5}(\beta)-6\sin^{2}(\beta)\cos^{4}(\beta)+6i\sin^{3}(\beta)\cos^{3}(\beta)+6\sin^{4}(\beta)\cos^{2}(\beta)-6i\sin^{5}(\beta)\cos(\beta)\right)
+e^{-6i\gamma}\left(\cos^{6}(\beta)-\sin^{6}(\beta)\right)+e^{6i\gamma}\left(\cos^{2}(\beta)\sin^{4}(\beta)-\cos^{4}(\beta)\sin^{2}(\beta)\right)\left(2ie^{-6i\gamma}\cos^{3}(\beta)\sin^{3}(\beta)\right)
+e^{-2i\gamma}\left(-9\sin^2(\beta)\cos^4(\beta)+12i\sin^3(\beta)\cos^3(\beta)+9\sin^4(\beta)\cos^2(\beta)\right)
+e^{2i\gamma}\left(-6i\sin(\beta)\cos^{5}(\beta)-6\sin^{2}(\beta)\cos^{4}(\beta)+6i\sin^{3}(\beta)\cos^{3}(\beta)+6\sin^{4}(\beta)\cos^{2}(\beta)-6i\sin^{5}(\beta)\cos(\beta)\right)
+e^{6i\gamma}\left(\cos^{6}(\beta)-\sin^{6}(\beta)\right)+e^{-2i\gamma}\left(\cos^{6}(\beta)-5\sin^{2}(\beta)\cos^{4}(\beta)+5\sin^{4}(\beta)\cos^{2}(\beta)\right)
  -\sin^6(\beta))\left(e^{6i\gamma}\left(\cos^2(\beta)\sin^4(\beta)-\cos^4(\beta)\sin^2(\beta)\right)+e^{-6i\gamma}\left(-i\sin(\beta)\cos^5(\beta)-i\sin^5(\beta)\cos(\beta)\right)\right)
+e^{2i\gamma}\left(-3i\sin(\beta)\cos^{5}(\beta)-6\sin^{2}(\beta)\cos^{4}(\beta)+12i\sin^{3}(\beta)\cos^{3}(\beta)+6\sin^{4}(\beta)\cos^{2}(\beta)-3i\sin^{5}(\beta)\cos(\beta)\right)
+e^{-2i\gamma}\left(\cos^{6}(\beta)-2i\sin(\beta)\cos^{5}(\beta)-8\sin^{2}(\beta)\cos^{4}(\beta)+8i\sin^{3}(\beta)\cos^{3}(\beta)+8\sin^{4}(\beta)\cos^{2}(\beta)-2i\sin^{5}(\beta)\cos(\beta)-\sin^{6}(\beta)\right)
+e^{2i\gamma}\left(-2i\sin(\beta)\cos^5(\beta)+8i\sin^3(\beta)\cos^3(\beta)\right)
    -2i\sin^5(\beta)\cos(\beta))\left(e^{-6i\gamma}\left(\cos^2(\beta)\sin^4(\beta)-\cos^4(\beta)\sin^2(\beta)\right)+e^{6i\gamma}\left(-i\sin(\beta)\cos^5(\beta)-i\sin^5(\beta)\cos(\beta)\right)\right)
+e^{-2i\gamma}\left(-3i\sin(\beta)\cos^{5}(\beta)-6\sin^{2}(\beta)\cos^{4}(\beta)+12i\sin^{3}(\beta)\cos^{3}(\beta)+6\sin^{4}(\beta)\cos^{2}(\beta)-3i\sin^{5}(\beta)\cos(\beta)\right)+e^{2i\gamma}\left(\cos^{6}(\beta)-2i\sin^{4}(\beta)\cos^{2}(\beta)-3i\sin^{5}(\beta)\cos(\beta)\right)
+e^{-2i\gamma}\left(-2i\sin(\beta)\cos^{5}(\beta)+8i\sin^{3}(\beta)\cos^{3}(\beta)-2i\sin^{5}(\beta)\cos(\beta)\right)\left(2ie^{6i\gamma}\cos^{3}(\beta)\sin^{3}(\beta)+e^{-6i\gamma}\left(\cos^{2}(\beta)\sin^{4}(\beta)-\cos^{4}(\beta)\sin^{2}(\beta)\cos^{2}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta
+e^{2i\gamma}\left(-2i\sin(\beta)\cos^{5}(\beta)-9\sin^{2}(\beta)\cos^{4}(\beta)+8i\sin^{3}(\beta)\cos^{3}(\beta)+9\sin^{4}(\beta)\cos^{2}(\beta)-2i\sin^{5}(\beta)\cos(\beta)\right)+e^{-2i\gamma}\left(\cos^{6}(\beta)-4i\sin^{3}(\beta)\cos^{3}(\beta)+9\sin^{4}(\beta)\cos^{2}(\beta)-2i\sin^{5}(\beta)\cos(\beta)\right)+e^{-2i\gamma}\left(\cos^{6}(\beta)-4i\sin^{3}(\beta)\cos^{3}(\beta)+9\sin^{4}(\beta)\cos^{2}(\beta)-2i\sin^{5}(\beta)\cos(\beta)\right)+e^{-2i\gamma}\left(\cos^{6}(\beta)-4i\sin^{3}(\beta)\cos^{3}(\beta)+9\sin^{4}(\beta)\cos^{2}(\beta)-2i\sin^{5}(\beta)\cos(\beta)\right)+e^{-2i\gamma}\left(\cos^{6}(\beta)-4i\sin^{3}(\beta)\cos^{3}(\beta)+9\sin^{4}(\beta)\cos^{2}(\beta)+9\sin^{4}(\beta)\cos(\beta)\right)+e^{-2i\gamma}\left(\cos^{6}(\beta)-4i\sin^{4}(\beta)\cos^{2}(\beta)+9\sin^{4}(\beta)\cos^{2}(\beta)+9\sin^{4}(\beta)\cos(\beta)\right)+e^{-2i\gamma}\left(\cos^{6}(\beta)-4i\sin^{4}(\beta)\cos^{4}(\beta)+3i\sin^{4}(\beta)\cos^{4}(\beta)+9\sin^{4}(\beta)\cos^{4}(\beta)+9\sin^{4}(\beta)\cos^{4}(\beta)+9\sin^{4}(\beta)\cos^{4}(\beta)+9\sin^{4}(\beta)\cos^{4}(\beta)+9\sin^{4}(\beta)\cos^{4}(\beta)+9\sin^{4}(\beta)\cos^{4}(\beta)+9\sin^{4}(\beta)\cos^{4}(\beta)+9\sin^{4}(\beta)\cos^{4}(\beta)+9\sin^{4}(\beta)\cos^{4}(\beta)+9\sin^{4}(\beta)\cos^{4}(\beta)+9\sin^{4}(\beta)\cos^{4}(\beta)+9\sin^{4}(\beta)\cos^{4}(\beta)+9\sin^{4}(\beta)\cos^{4}(\beta)+9\sin^{4}(\beta)\cos^{4}(\beta)+9\sin^{4}(\beta)\cos^{4}(\beta)+9\sin^{4}(\beta)\cos^{4}(\beta)+9\sin^{4}(\beta)\cos^{4}(\beta)+9\sin^{4}(\beta)\cos^{4}(\beta)+9\sin^{4}(\beta)\cos^{4}(\beta)+9\sin^{4}(\beta)\cos^{4}(\beta)+9\sin^{4}(\beta)\cos^{4}(\beta)+9\sin^{4}(\beta)\cos^{4}(\beta)+9\sin^{4}(\beta)\cos^{4}(\beta)+9\sin^{4}(\beta)\cos^{4}(\beta)+9\sin^{4}(\beta)\cos^{4}(\beta)+9\sin^{4}(\beta)\cos^{4}(\beta)+9\sin^{4}(\beta)\cos^{4}(\beta)+9\sin^{4}(\beta)\cos^{4}(\beta)+9\sin^{4}(\beta)\cos^{4}(\beta)+9\sin^{4}(\beta)\cos^{4}(\beta)+9\sin^{4}(\beta)\cos^{4}(\beta)+9\sin^{4}(\beta)\cos^{4}(\beta)+9\sin^{4}(\beta)\cos^{4}(\beta)+9\sin^{4}(\beta)\cos^{4}(\beta)+9\sin^{4}(\beta)\cos^{4}(\beta)+9\sin^{4}(\beta)\cos^{4}(\beta)+9\sin^{4}(\beta)\cos^{4}(\beta)+9\sin^{4}(\beta)\cos^{4}(\beta)+9\sin^{4}(\beta)\cos^{4}(\beta)+9\sin^{4}(\beta)\cos^{4}(\beta)+9\sin^{4}(\beta)\cos^{4}(\beta)+9\sin^{4}(\beta)\cos^{4}(\beta)+9\sin^{4}(\beta)\cos^{4}(\beta)+9\sin^{4}(\beta)\cos^{4}(\beta)+9\sin^{4}(\beta)\cos^{4}(\beta)+9\sin^{4}(\beta)\cos^{4}(\beta)+9\sin^{4}(\beta)\cos^{4}(\beta)+9\sin^{4}(\beta)\cos^{4}(\beta)+9\sin^{4}(\beta)\cos^{4}(\beta)+9\sin^{4}(\beta)\cos^{4}(\beta)+9\sin^{4}(\beta)\cos^{4}(\beta)+9\sin^{4}(\beta)\cos^{4}(\beta)+9\sin^{4}(\beta)\cos^{4}(\beta)+9\sin^{4}(\beta)\cos^{4}(\beta)+9\sin^{4}(\beta)\cos^{4}(\beta)+9\sin^{4}(\beta)\cos^{4}(\beta)+9\sin^{4}(\beta)\cos^{4}(\beta)+9\sin^{4}(\beta)\cos^{4}(\beta)+9\sin^{4}(\beta)\cos^{4}(\beta)+9\sin^{4}(\beta)\cos^{4}(\beta)+9\sin^{4}(\beta)\cos^{4}(\beta)+9\sin^{4}(\beta)\cos^{4}(\beta)+9\sin^{4}(\beta)\cos^{4}(\beta)+9\sin^{4}(\beta)\cos^{4}(\beta)+9\sin^{4}(\beta)\cos^{4}(\beta)+9\sin^{4}(\beta)\cos^{4}(\beta)+9\sin^{4}(\beta)\cos^{4}(\beta)+9\sin^{4}(\beta)\cos^{4}(\beta)+9\sin^{4}(\beta)\cos^{4}(\beta)+9\sin^{4}(\beta)\cos^{4}(\beta)+9\sin^{4}(\beta)\cos^{4}(\beta)+9\sin^{4}(\beta)\cos^{4}(\beta)+9\sin^{4}(\beta)\cos^{4}(\beta)+9\sin^{4}(\beta)\cos^{4}(\beta)+9\sin^{4}(\beta)\cos^{4}(\beta)+9\sin^{4}(\beta)+9\sin^{4}(\beta)+9\sin^{4}(\beta)+9\sin^{4}(\beta)+9\sin^{4}(\beta)+9\sin^{4}(\beta)+9\sin^{4}(\beta)+9\sin^{4}(\beta)+9\sin^{4}(\beta)+9\sin^{4}(\beta)+9\sin^{4}(\beta)+9\sin^{4}(\beta)+9\sin^{4}(\beta)+9\sin^{4}(\beta)+9\sin^{4}(\beta)+9\sin^{4}(\beta)+9\sin^{4}(\beta)+9\sin^{4}
+e^{2i\gamma} \left(6\cos^2(\beta)\sin^4(\beta)-6\cos^4(\beta)\sin^2(\beta)\right) \left(2ie^{-6i\gamma}\cos^3(\beta)\sin^3(\beta)+e^{6i\gamma}\left(\cos^2(\beta)\sin^4(\beta)-\cos^4(\beta)\sin^2(\beta)\right)+e^{-2i\gamma}\left(-2i\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\right)\right)
+e^{2i\gamma}\left(\cos^{6}(\beta)-4i\sin(\beta)\cos^{5}(\beta)-5\sin^{2}(\beta)\cos^{4}(\beta)+10i\sin^{3}(\beta)\cos^{3}(\beta)+5\sin^{4}(\beta)\cos^{2}(\beta)-4i\sin^{5}(\beta)\cos(\beta)-\sin^{6}(\beta)\right)
+e^{-2i\gamma} \left(3\cos^2(\beta)\sin^4(\beta)-3\cos^4(\beta)\sin^2(\beta)\right) \left(2ie^{-6i\gamma}\cos^3(\beta)\sin^3(\beta)+e^{6i\gamma} \left(\cos^2(\beta)\sin^4(\beta)-\cos^4(\beta)\sin^2(\beta)\right)\right) + e^{-2i\gamma} \left(3\cos^2(\beta)\sin^4(\beta)-3\cos^4(\beta)\sin^2(\beta)\right) \left(2ie^{-6i\gamma}\cos^3(\beta)\sin^3(\beta)+e^{6i\gamma} \left(\cos^2(\beta)\sin^4(\beta)-\cos^4(\beta)\sin^2(\beta)\right)\right) + e^{-2i\gamma} \left(3\cos^2(\beta)\sin^4(\beta)-3\cos^4(\beta)\sin^2(\beta)\right) + e^{-2i\gamma} \left(\cos^2(\beta)\sin^4(\beta)-\cos^4(\beta)\sin^2(\beta)\right) + e^{-2i\gamma} \left(\cos^2(\beta)\sin^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2
+e^{2i\gamma}\left(-2i\sin(\beta)\cos^{5}(\beta)-6\sin^{2}(\beta)\cos^{4}(\beta)+14i\sin^{3}(\beta)\cos^{3}(\beta)+6\sin^{4}(\beta)\cos^{2}(\beta)-2i\sin^{5}(\beta)\cos(\beta)\right)+e^{-2i\gamma}\left(\cos^{6}(\beta)-4i\sin^{2}(\beta)\cos^{2}(\beta)-6\sin^{2}(\beta)\cos^{4}(\beta)+14i\sin^{3}(\beta)\cos^{3}(\beta)+6\sin^{4}(\beta)\cos^{2}(\beta)-2i\sin^{5}(\beta)\cos(\beta)\right)+e^{-2i\gamma}\left(\cos^{6}(\beta)-4i\sin^{2}(\beta)\cos^{2}(\beta)-2i\sin^{5}(\beta)\cos(\beta)\right)+e^{-2i\gamma}\left(\cos^{6}(\beta)-4i\sin^{2}(\beta)\cos^{2}(\beta)-2i\sin^{5}(\beta)\cos(\beta)\right)+e^{-2i\gamma}\left(\cos^{6}(\beta)-4i\sin^{2}(\beta)\cos^{2}(\beta)-2i\sin^{5}(\beta)\cos(\beta)\right)+e^{-2i\gamma}\left(\cos^{6}(\beta)-4i\sin^{2}(\beta)\cos^{2}(\beta)-2i\sin^{5}(\beta)\cos(\beta)\right)+e^{-2i\gamma}\left(\cos^{6}(\beta)-4i\sin^{2}(\beta)\cos^{2}(\beta)-2i\sin^{5}(\beta)\cos(\beta)\right)+e^{-2i\gamma}\left(\cos^{6}(\beta)-4i\sin^{2}(\beta)\cos^{2}(\beta)-2i\sin^{5}(\beta)\cos(\beta)\right)+e^{-2i\gamma}\left(\cos^{6}(\beta)-4i\sin^{2}(\beta)\cos^{2}(\beta)-2i\sin^{5}(\beta)\cos(\beta)\right)+e^{-2i\gamma}\left(\cos^{6}(\beta)-4i\sin^{2}(\beta)\cos^{2}(\beta)-2i\sin^{5}(\beta)\cos(\beta)\right)+e^{-2i\gamma}\left(\cos^{6}(\beta)-4i\sin^{2}(\beta)\cos^{2}(\beta)-2i\sin^{5}(\beta)\cos(\beta)\right)+e^{-2i\gamma}\left(\cos^{6}(\beta)-4i\sin^{2}(\beta)\cos(\beta)-2i\sin^{5}(\beta)\cos(\beta)\right)+e^{-2i\gamma}\left(\cos^{6}(\beta)-4i\sin^{2}(\beta)\cos(\beta)-2i\sin^{2}(\beta)\cos(\beta)\right)+e^{-2i\gamma}\left(\cos^{6}(\beta)-4i\sin^{2}(\beta)\cos(\beta)-2i\sin^{2}(\beta)\cos(\beta)\right)+e^{-2i\gamma}\left(\cos^{6}(\beta)-4i\sin^{2}(\beta)\cos(\beta)-2i\sin^{2}(\beta)\cos(\beta)\right)+e^{-2i\gamma}\left(\cos^{6}(\beta)-4i\sin^{2}(\beta)\cos(\beta)\right)+e^{-2i\gamma}\left(\cos^{6}(\beta)-4i\sin^{2}(\beta)\cos(\beta)\right)+e^{-2i\gamma}\left(\cos^{6}(\beta)-4i\sin^{2}(\beta)\cos(\beta)\right)+e^{-2i\gamma}\left(\cos^{6}(\beta)-4i\sin^{2}(\beta)\cos(\beta)\right)+e^{-2i\gamma}\left(\cos^{6}(\beta)-4i\sin^{2}(\beta)\cos(\beta)\right)+e^{-2i\gamma}\left(\cos^{6}(\beta)-4i\sin^{2}(\beta)\cos(\beta)\right)+e^{-2i\gamma}\left(\cos^{6}(\beta)-4i\sin^{2}(\beta)\cos(\beta)\right)+e^{-2i\gamma}\left(\cos^{6}(\beta)-4i\sin^{2}(\beta)\cos(\beta)\right)+e^{-2i\gamma}\left(\cos^{6}(\beta)-4i\sin^{2}(\beta)\cos(\beta)\right)+e^{-2i\gamma}\left(\cos^{6}(\beta)-4i\sin^{2}(\beta)\cos(\beta)\right)+e^{-2i\gamma}\left(\cos^{6}(\beta)-4i\sin^{2}(\beta)\cos(\beta)\right)+e^{-2i\gamma}\left(\cos^{6}(\beta)-4i\sin^{2}(\beta)\cos(\beta)\right)+e^{-2i\gamma}\left(\cos^{6}(\beta)-4i\sin^{2}(\beta)\cos(\beta)\right)+e^{-2i\gamma}\left(\cos^{6}(\beta)-4i\sin^{2}(\beta)\cos(\beta)\right)+e^{-2i\gamma}\left(\cos^{6}(\beta)-4i\sin^{2}(\beta)\cos(\beta)\right)+e^{-2i\gamma}\left(\cos^{6}(\beta)-4i\sin^{2}(\beta)\cos(\beta)\right)+e^{-2i\gamma}\left(\cos^{6}(\beta)-4i\sin^{2}(\beta)\cos(\beta)\right)+e^{-2i\gamma}\left(\cos^{6}(\beta)-4i\sin^{2}(\beta)\cos(\beta)\right)+e^{-2i\gamma}\left(\cos^{6}(\beta)-4i\sin^{2}(\beta)\cos(\beta)\right)+e^{-2i\gamma}\left(\cos^{6}(\beta)-4i\sin^{2}(\beta)\cos(\beta)\right)+e^{-2i\gamma}\left(\cos^{6}(\beta)-4i\sin^{2}(\beta)\cos(\beta)\right)+e^{-2i\beta}\left(\cos^{6}(\beta)-4i\sin^{2}(\beta)\cos(\beta)\right)+e^{-2i\beta}\left(\cos^{6}(\beta)-4i\sin^{6}(\beta)\cos(\beta)\right)+e^{-2i\beta}\left(\cos^{6}(\beta)-4i\sin^{6}(\beta)\cos(\beta)\right)+e^{-2i\beta}\left(\cos^{6}(\beta)-4i\sin^{6}(\beta)\cos(\beta)\right)+e^{-2i\beta}\left(\cos^{6}(\beta)-4i\sin^{6}(\beta)\cos(\beta)\right)+e^{-2i\beta}\left(\cos^{6}(\beta)-4i\sin^{6}(\beta)\cos(\beta)\right)+e^{-2i\beta}\left(\cos^{6}(\beta)-4i\sin^{6}(\beta)\right)+e^{-2i\beta}\left(\cos^{6}(\beta)-4i\sin^{6}(\beta)\right)+e^{-2i\beta}\left(\cos^{6}(\beta)-4i\sin^{6}(\beta)\right)+e^{-2i\beta}\left(\cos^{6}(\beta)-4i\sin^{6}(\beta)\right)+e^{-2i\beta}\left(\cos^{6}(\beta)-4i\sin^{6}(\beta)\right)+e^{
+e^{2i\gamma}\left(-i\sin(\beta)\cos^{5}(\beta)+4i\sin^{3}(\beta)\cos^{3}(\beta)-i\sin^{5}(\beta)\cos(\beta)\right)\left(2ie^{6i\gamma}\cos^{3}(\beta)\sin^{3}(\beta)+e^{-6i\gamma}\left(\cos^{2}(\beta)\sin^{4}(\beta)-\cos^{4}(\beta)\sin^{2}(\beta)\cos^{2}(\beta)\sin^{4}(\beta)\cos^{2}(\beta)\sin^{4}(\beta)\cos^{2}(\beta)\sin^{4}(\beta)\cos^{2}(\beta)\sin^{4}(\beta)\cos^{2}(\beta)\sin^{4}(\beta)\cos^{2}(\beta)\sin^{4}(\beta)\cos^{2}(\beta)\sin^{4}(\beta)\cos^{2}(\beta)\sin^{4}(\beta)\cos^{2}(\beta)\sin^{4}(\beta)\cos^{2}(\beta)\sin^{4}(\beta)\cos^{2}(\beta)\sin^{4}(\beta)\cos^{2}(\beta)\sin^{4}(\beta)\cos^{2}(\beta)\sin^{4}(\beta)\cos^{2}(\beta)\sin^{4}(\beta)\cos^{2}(\beta)\sin^{4}(\beta)\cos^{2}(\beta)\sin^{4}(\beta)\cos^{2}(\beta)\sin^{4}(\beta)\cos^{2}(\beta)\sin^{4}(\beta)\cos^{2}(\beta)\sin^{4}(\beta)\cos^{2}(\beta)\sin^{4}(\beta)\cos^{2}(\beta)\sin^{4}(\beta)\cos^{2}(\beta)\sin^{4}(\beta)\cos^{2}(\beta)\sin^{4}(\beta)\cos^{2}(\beta)\sin^{4}(\beta)\cos^{2}(\beta)\sin^{4}(\beta)\cos^{2}(\beta)\sin^{4}(\beta)\cos^{2}(\beta)\sin^{4}(\beta)\cos^{2}(\beta)\sin^{4}(\beta)\cos^{2}(\beta)\sin^{4}(\beta)\cos^{2}(\beta)\sin^{4}(\beta)\cos^{2}(\beta)\sin^{4}(\beta)\cos^{2}(\beta)\sin^{4}(\beta)\cos^{2}(\beta)\sin^{4}(\beta)\cos^{2}(\beta)\sin^{4}(\beta)\cos^{2}(\beta)\sin^{4}(\beta)\cos^{2}(\beta)\sin^{4}(\beta)\cos^{2}(\beta)\sin^{4}(\beta)\cos^{2}(\beta)\sin^{4}(\beta)\cos^{2}(\beta)\sin^{4}(\beta)\cos^{2}(\beta)\sin^{4}(\beta)\cos^{2}(\beta)\sin^{4}(\beta)\cos^{2}(\beta)\sin^{4}(\beta)\cos^{2}(\beta)\sin^{4}(\beta)\cos^{2}(\beta)\sin^{4}(\beta)\cos^{2}(\beta)\sin^{4}(\beta)\cos^{2}(\beta)\sin^{4}(\beta)\cos^{2}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^
+e^{-2i\gamma}\left(-2i\sin(\beta)\cos^{5}(\beta)-6\sin^{2}(\beta)\cos^{4}(\beta)+14i\sin^{3}(\beta)\cos^{3}(\beta)+6\sin^{4}(\beta)\cos^{2}(\beta)-2i\sin^{5}(\beta)\cos(\beta)\right)+e^{2i\gamma}\left(\cos^{6}(\beta)-4i\sin^{4}(\beta)\cos^{2}(\beta)-2i\sin^{5}(\beta)\cos(\beta)\right)
-\cos^{4}(\beta)\sin^{2}(\beta)\big)\left(-2ie^{6i\gamma}\cos^{3}(\beta)\sin^{3}(\beta)+e^{2i\gamma}\left(-9\sin^{2}(\beta)\cos^{4}(\beta)-12i\sin^{3}(\beta)\cos^{3}(\beta)+9\sin^{4}(\beta)\cos^{2}(\beta)\right)+e^{-2i\gamma}\left(6i\sin^{2}(\beta)\cos^{4}(\beta)\sin^{2}(\beta)\right)\right)
+e^{-6i\gamma}\left(\cos^{6}(\beta)-\sin^{6}(\beta)\right)+e^{6i\gamma}\left(i\sin(\beta)\cos^{5}(\beta)+i\sin^{5}(\beta)\cos(\beta)\right)\left(-2ie^{-6i\gamma}\cos^{3}(\beta)\sin^{3}(\beta)+e^{-2i\gamma}\left(-9\sin^{2}(\beta)\cos^{4}(\beta)-\sin^{6}(\beta)\cos^{6}(\beta)+\sin^{6}(\beta)\cos^{6}(\beta)+\sin^{6}(\beta)\cos^{6}(\beta)+\sin^{6}(\beta)\cos^{6}(\beta)+\sin^{6}(\beta)\cos^{6}(\beta)+\sin^{6}(\beta)\cos^{6}(\beta)+\sin^{6}(\beta)\cos^{6}(\beta)+\sin^{6}(\beta)\cos^{6}(\beta)+\sin^{6}(\beta)\cos^{6}(\beta)+\sin^{6}(\beta)\cos^{6}(\beta)+\sin^{6}(\beta)\cos^{6}(\beta)+\sin^{6}(\beta)\cos^{6}(\beta)+\sin^{6}(\beta)\cos^{6}(\beta)+\sin^{6}(\beta)\cos^{6}(\beta)+\sin^{6}(\beta)\cos^{6}(\beta)+\sin^{6}(\beta)\cos^{6}(\beta)+\sin^{6}(\beta)\cos^{6}(\beta)+\sin^{6}(\beta)\cos^{6}(\beta)+\sin^{6}(\beta)\cos^{6}(\beta)+\sin^{6}(\beta)\cos^{6}(\beta)+\sin^{6}(\beta)\cos^{6}(\beta)+\sin^{6}(\beta)\cos^{6}(\beta)+\sin^{6}(\beta)\cos^{6}(\beta)+\sin^{6}(\beta)\cos^{6}(\beta)+\sin^{6}(\beta)\cos^{6}(\beta)+\sin^{6}(\beta)\cos^{6}(\beta)+\sin^{6}(\beta)\cos^{6}(\beta)+\sin^{6}(\beta)\cos^{6}(\beta)+\sin^{6}(\beta)\cos^{6}(\beta)+\sin^{6}(\beta)\cos^{6}(\beta)+\sin^{6}(\beta)\cos^{6}(\beta)+\sin^{6}(\beta)\cos^{6}(\beta)+\sin^{6}(\beta)\cos^{6}(\beta)+\sin^{6}(\beta)\cos^{6}(\beta)+\sin^{6}(\beta)\cos^{6}(\beta)+\sin^{6}(\beta)\cos^{6}(\beta)+\sin^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)+\sin^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)+\sin^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(
+e^{2i\gamma}\left(6i\sin(\beta)\cos^{5}(\beta)-6\sin^{2}(\beta)\cos^{4}(\beta)-6i\sin^{3}(\beta)\cos^{3}(\beta)+6\sin^{4}(\beta)\cos^{2}(\beta)+6i\sin^{5}(\beta)\cos(\beta)\right)+e^{6i\gamma}\left(\cos^{6}(\beta)-\sin^{6}(\beta)\cos^{4}(\beta)-6i\sin^{3}(\beta)\cos^{3}(\beta)+6\sin^{4}(\beta)\cos^{2}(\beta)+6i\sin^{5}(\beta)\cos(\beta)\right)
+e^{-2i\gamma}\left(2i\sin(\beta)\cos^{5}(\beta)-8i\sin^{3}(\beta)\cos^{3}(\beta)+2i\sin^{5}(\beta)\cos(\beta)\right)\left(e^{6i\gamma}\left(\cos^{2}(\beta)\sin^{4}(\beta)-\cos^{4}(\beta)\sin^{2}(\beta)\right)+e^{-6i\gamma}\left(i\sin(\beta)\cos^{3}(\beta)+2i\sin^{5}(\beta)\cos(\beta)\right)\right)
+e^{2i\gamma}(3i\sin(\beta)\cos^5(\beta)-6\sin^2(\beta)\cos^4(\beta)-12i\sin^3(\beta)\cos^3(\beta)+6\sin^4(\beta)\cos^2(\beta)+3i\sin^5(\beta)\cos(\beta))+e^{-2i\gamma}(\cos^6(\beta)+2i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^
+e^{2i\gamma}\left(\cos^{6}(\beta)-5\sin^{2}(\beta)\cos^{4}(\beta)+5\sin^{4}(\beta)\cos^{2}(\beta)-\sin^{6}(\beta)\right)\left(e^{-6i\gamma}\left(\cos^{2}(\beta)\sin^{4}(\beta)-\cos^{4}(\beta)\sin^{2}(\beta)\right)+e^{6i\gamma}\left(i\sin(\beta)\cos^{5}(\beta)+\sin^{4}(\beta)\cos^{2}(\beta)\sin^{4}(\beta)\right)\right)
+e^{-2i\gamma}(3i\sin(\beta)\cos^5(\beta)-6\sin^2(\beta)\cos^4(\beta)-12i\sin^3(\beta)\cos^3(\beta)+6\sin^4(\beta)\cos^2(\beta)+3i\sin^5(\beta)\cos(\beta))+e^{2i\gamma}(\cos^6(\beta)+2i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)\cos^2(\beta)\sin^2(\beta)\cos^2(\beta)\sin^2(\beta)\cos^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta
+e^{-2i\gamma}\left(6\cos^{2}(\beta)\sin^{4}(\beta)-6\cos^{4}(\beta)\sin^{2}(\beta)\right)\left(-2ie^{6i\gamma}\cos^{3}(\beta)\sin^{3}(\beta)+e^{-6i\gamma}\left(\cos^{2}(\beta)\sin^{4}(\beta)-\cos^{4}(\beta)\sin^{2}(\beta)\right)\right)
+e^{2i\gamma}\left(2i\sin(\beta)\cos^{5}(\beta)-9\sin^{2}(\beta)\cos^{4}(\beta)-8i\sin^{3}(\beta)\cos^{3}(\beta)+9\sin^{4}(\beta)\cos^{2}(\beta)+2i\sin^{5}(\beta)\cos(\beta)\right)+e^{-2i\gamma}\left(\cos^{6}(\beta)+4i\sin^{2}(\beta)\cos^{4}(\beta)-8i\sin^{3}(\beta)\cos^{3}(\beta)+9\sin^{4}(\beta)\cos^{2}(\beta)+2i\sin^{5}(\beta)\cos(\beta)\right)
+e^{2i\gamma}\left(2i\sin(\beta)\cos^{5}(\beta)-8i\sin^{3}(\beta)\cos^{3}(\beta)+2i\sin^{5}(\beta)\cos(\beta)\right)\left(-2ie^{-6i\gamma}\cos^{3}(\beta)\sin^{3}(\beta)+e^{6i\gamma}\left(\cos^{2}(\beta)\sin^{4}(\beta)-\cos^{4}(\beta)\sin^{3}(\beta)+e^{6i\gamma}\cos^{3}(\beta)\sin^{4}(\beta)-\cos^{4}(\beta)\sin^{4}(\beta)\cos^{3}(\beta)+e^{6i\gamma}\cos^{3}(\beta)\sin^{4}(\beta)\cos^{3}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta
+e^{-2i\gamma}\left(2i\sin(\beta)\cos^{5}(\beta)-9\sin^{2}(\beta)\cos^{4}(\beta)-8i\sin^{3}(\beta)\cos^{3}(\beta)+9\sin^{4}(\beta)\cos^{2}(\beta)+2i\sin^{5}(\beta)\cos(\beta)\right)+e^{2i\gamma}\left(\cos^{6}(\beta)+4i\sin^{3}(\beta)\cos^{3}(\beta)+9\sin^{4}(\beta)\cos^{2}(\beta)+2i\sin^{5}(\beta)\cos(\beta)\right)+e^{2i\gamma}\left(\cos^{6}(\beta)+4i\sin^{3}(\beta)\cos^{3}(\beta)+9\sin^{4}(\beta)\cos^{2}(\beta)+2i\sin^{5}(\beta)\cos(\beta)\right)+e^{2i\gamma}\left(\cos^{6}(\beta)+4i\sin^{3}(\beta)\cos^{3}(\beta)+9\sin^{4}(\beta)\cos^{2}(\beta)+2i\sin^{5}(\beta)\cos(\beta)\right)+e^{2i\gamma}\left(\cos^{6}(\beta)+4i\sin^{4}(\beta)\cos^{2}(\beta)+3i\sin^{4}(\beta)\cos(\beta)+3i\sin^{4}(\beta)\cos(\beta)+4i\sin^{4}(\beta)\cos(\beta)\right)+e^{2i\gamma}\left(\cos^{6}(\beta)+4i\sin^{4}(\beta)\cos^{4}(\beta)+3i\sin^{4}(\beta)\cos(\beta)+3i\sin^{4}(\beta)\cos(\beta)+3i\sin^{4}(\beta)\cos(\beta)\right)+e^{2i\gamma}\left(\cos^{6}(\beta)+4i\sin^{4}(\beta)\cos(\beta)+3i\sin^{4}(\beta)\cos(\beta)+3i\sin^{4}(\beta)\cos(\beta)+3i\sin^{4}(\beta)\cos(\beta)+3i\sin^{4}(\beta)\cos(\beta)+3i\sin^{4}(\beta)\cos(\beta)+3i\sin^{4}(\beta)\cos(\beta)+3i\sin^{4}(\beta)\cos(\beta)+3i\sin^{4}(\beta)\cos(\beta)+3i\sin^{4}(\beta)\cos(\beta)+3i\sin^{4}(\beta)\cos(\beta)+3i\sin^{4}(\beta)\cos(\beta)+3i\sin^{4}(\beta)\cos(\beta)+3i\sin^{4}(\beta)\cos(\beta)+3i\sin^{4}(\beta)\cos(\beta)+3i\sin^{4}(\beta)\cos(\beta)+3i\sin^{4}(\beta)\cos(\beta)+3i\sin^{4}(\beta)\cos(\beta)+3i\sin^{4}(\beta)\cos(\beta)+3i\sin^{4}(\beta)\cos(\beta)+3i\sin^{4}(\beta)\cos(\beta)+3i\sin^{4}(\beta)\cos(\beta)+3i\sin^{4}(\beta)\cos(\beta)+3i\sin^{4}(\beta)\cos(\beta)+3i\sin^{4}(\beta)\cos(\beta)+3i\sin^{4}(\beta)\cos(\beta)+3i\sin^{4}(\beta)\cos(\beta)+3i\sin^{4}(\beta)\cos(\beta)+3i\sin^{4}(\beta)\cos(\beta)+3i\sin^{4}(\beta)\cos(\beta)+3i\sin^{4}(\beta)\cos(\beta)+3i\sin^{4}(\beta)\cos(\beta)+3i\sin^{4}(\beta)\cos(\beta)+3i\sin^{4}(\beta)\cos(\beta)+3i\sin^{4}(\beta)\cos(\beta)+3i\sin^{4}(\beta)\cos(\beta)+3i\sin^{4}(\beta)\cos(\beta)+3i\sin^{4}(\beta)\cos(\beta)+3i\sin^{4}(\beta)\cos(\beta)+3i\sin^{4}(\beta)\cos(\beta)+3i\sin^{4}(\beta)\cos(\beta)+3i\sin^{4}(\beta)\cos(\beta)+3i\sin^{4}(\beta)\cos(\beta)+3i\sin^{4}(\beta)\cos(\beta)+3i\sin^{4}(\beta)\cos(\beta)+3i\sin^{4}(\beta)\cos(\beta)+3i\sin^{4}(\beta)\cos(\beta)+3i\sin^{4}(\beta)\cos(\beta)+3i\sin^{4}(\beta)\cos(\beta)+3i\sin^{4}(\beta)\cos(\beta)+3i\sin^{4}(\beta)\cos(\beta)+3i\sin^{4}(\beta)\cos(\beta)+3i\sin^{4}(\beta)\cos(\beta)+3i\sin^{4}(\beta)\cos(\beta)+3i\sin^{4}(\beta)\cos(\beta)+3i\sin^{4}(\beta)\cos(\beta)+3i\sin^{4}(\beta)\cos(\beta)+3i\sin^{4}(\beta)\cos(\beta)+3i\sin^{4}(\beta)\cos(\beta)+3i\sin^{4}(\beta)\cos(\beta)+3i\sin^{4}(\beta)\cos(\beta)+3i\sin^{4}(\beta)\cos(\beta)+3i\sin^{4}(\beta)\cos(\beta)+3i\sin^{4}(\beta)\cos(\beta)+3i\sin^{4}(\beta)\cos(\beta)+3i\sin^{4}(\beta)\cos(\beta)+3i\sin^{4}(\beta)\cos(\beta)+3i\sin^{4}(\beta)\cos(\beta)+3i\sin^{4}(\beta)\cos(\beta)+3i\sin^{4}(\beta)\cos(\beta)+3i\sin^{4}(\beta)\cos(\beta)+3i\sin^{4}(\beta)\cos(\beta)+3i\sin^{4}(\beta)\cos(\beta)+3i\sin^{4}(\beta)\cos(\beta)+3i\sin^{4}(\beta)\cos(\beta)+3i\sin^{4}(\beta)\cos(\beta)+3i\sin^{4}(\beta)\cos(\beta)+3i\sin^{4}(\beta)\cos(\beta)+3i\sin^{4}(\beta)\cos(\beta)+3i\sin^{4}(\beta)\cos(\beta)+3i\sin^{4}(\beta)\cos(\beta)+3i\sin^{4}(\beta)\cos(\beta)+3i\sin^{4}(\beta)\cos(\beta)+3i\sin^{4}(\beta)\cos(\beta)+3i\sin^{4}(\beta)\cos(\beta)+3i\sin^{4}(\beta)\cos(\beta)+3i\sin^{4}(\beta)\cos(\beta)+3i\sin^{4}(\beta)\cos(\beta)+3i\sin^{4}(\beta)\cos(\beta)+3i\sin^{4}(\beta)\cos(\beta)+3i\sin^{4}(\beta)\cos(\beta)+3i\sin^{4}(\beta)\cos(\beta)+3i\sin^{4}(\beta)\cos(\beta)+3i\sin^{4}(\beta)\cos(\beta)+3i\sin^{4}(\beta)\cos(\beta)+3i\sin^{4}(\beta)\cos(\beta)+3i\sin^{4}(\beta)\cos(\beta)+3i\sin^{4}(\beta)\cos(\beta)+3i\sin^{4}(\beta)\cos(\beta)+3i\sin^{4}(\beta)\cos(\beta)+3i\sin^{4}(\beta)\cos(\beta)+3i\sin^{4}(\beta)\cos(\beta)+3i\sin^{4}(\beta)\cos(\beta)
+e^{-2i\gamma}(i\sin(\beta)\cos^{5}(\beta)-4i\sin^{3}(\beta)\cos^{3}(\beta)+i\sin^{5}(\beta)\cos(\beta))(-2ie^{-6i\gamma}\cos^{3}(\beta)\sin^{3}(\beta)+e^{6i\gamma}(\cos^{2}(\beta)\sin^{4}(\beta)-\cos^{4}(\beta)\sin^{2}(\beta)+e^{-2i\gamma}(\sin(\beta)\cos^{5}(\beta)+i\sin^{5}(\beta)\cos(\beta)))
+e^{2i\gamma}\left(2i\sin(\beta)\cos^{5}(\beta)-6\sin^{2}(\beta)\cos^{4}(\beta)-14i\sin^{3}(\beta)\cos^{3}(\beta)+6\sin^{4}(\beta)\cos^{2}(\beta)+2i\sin^{5}(\beta)\cos(\beta)\right)+e^{-2i\gamma}\left(\cos^{6}(\beta)+4i\sin^{3}(\beta)\cos^{3}(\beta)+6\sin^{4}(\beta)\cos^{2}(\beta)+2i\sin^{5}(\beta)\cos(\beta)\right)
+e^{2i\gamma} \left(3\cos^2(\beta)\sin^4(\beta) - 3\cos^4(\beta)\sin^2(\beta)\right) \left(-2ie^{6i\gamma}\cos^3(\beta)\sin^3(\beta) + e^{-6i\gamma}\left(\cos^2(\beta)\sin^4(\beta) - \cos^4(\beta)\sin^2(\beta)\right)\right)
+e^{-2i\gamma}(2i\sin(\beta)\cos^{5}(\beta)-6\sin^{2}(\beta)\cos^{4}(\beta)-14i\sin^{3}(\beta)\cos^{3}(\beta)+6\sin^{4}(\beta)\cos^{2}(\beta)+2i\sin^{5}(\beta)\cos(\beta))+e^{2i\gamma}(\cos^{6}(\beta)+4i\sin^{3}(\beta)\cos^{3}(\beta)+6\sin^{4}(\beta)\cos^{2}(\beta)+2i\sin^{5}(\beta)\cos(\beta))+e^{2i\gamma}(\cos^{6}(\beta)+4i\sin^{3}(\beta)\cos^{3}(\beta)+6\sin^{4}(\beta)\cos^{2}(\beta)+2i\sin^{5}(\beta)\cos(\beta))+e^{2i\gamma}(\cos^{6}(\beta)+4i\sin^{3}(\beta)\cos^{3}(\beta)+6\sin^{4}(\beta)\cos^{2}(\beta)+6\sin^{4}(\beta)\cos(\beta))+e^{2i\gamma}(\cos^{6}(\beta)+6i\sin^{4}(\beta)\cos^{2}(\beta)+6i\sin^{4}(\beta)\cos(\beta))+e^{2i\gamma}(\cos^{6}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)+6i\sin^{4}(\beta)+6i\sin^{4}(\beta)+6i\sin^{4}(\beta)+6i\sin^{4}(\beta)+6i\sin^{4}(\beta)+6i\sin^{4}(\beta)+6i\sin^{4}(\beta)+6i\sin^{4}(\beta)+6i\sin^{4}(\beta)+6i\sin^{4}(\beta)+6i\sin^{4}(\beta)+6i\sin^{4}(\beta)+6i\sin^{4}(\beta)+6i\sin^{4}(\beta)+6i\sin^{4}(\beta)+6i\sin^{4}(\beta)+6i\sin^{4}(\beta)+6i\sin^{4}(
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\left(2ie^{6i\gamma}\cos^{3}(\beta)\left(2ie^{-6i\gamma}\cos^{3}(\beta)\sin^{3}(\beta) + e^{-2i\gamma}\left(-9\sin^{2}(\beta)\cos^{4}(\beta) + 12i\sin^{3}(\beta)\cos^{3}(\beta) + 9\sin^{4}(\beta)\cos^{2}(\beta)\right)\right)
+e^{2i\gamma}\left(-6i\sin(\beta)\cos^{5}(\beta)-6\sin^{2}(\beta)\cos^{4}(\beta)+6i\sin^{3}(\beta)\cos^{3}(\beta)+6\sin^{4}(\beta)\cos^{2}(\beta)-6i\sin^{5}(\beta)\cos(\beta)\right)
+e^{6i\gamma}\left(\cos^{6}(\beta)-\sin^{6}(\beta)\right)\sin^{3}(\beta)+e^{-6i\gamma}\left(\cos^{2}(\beta)\sin^{4}(\beta)-\cos^{4}(\beta)\sin^{2}(\beta)\right)\left(2ie^{6i\gamma}\cos^{3}(\beta)\sin^{3}(\beta)-\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\right)
+e^{2i\gamma}\left(-9\sin^2(\beta)\cos^4(\beta)+12i\sin^3(\beta)\cos^3(\beta)+9\sin^4(\beta)\cos^2(\beta)\right)
+e^{-2i\gamma}\left(-6i\sin(\beta)\cos^{5}(\beta)-6\sin^{2}(\beta)\cos^{4}(\beta)+6i\sin^{3}(\beta)\cos^{3}(\beta)+6\sin^{4}(\beta)\cos^{2}(\beta)-6i\sin^{5}(\beta)\cos(\beta)\right)
+e^{-6i\gamma}(\cos^6(\beta)-\sin^6(\beta)))+e^{-2i\gamma}(-2i\sin(\beta)\cos^5(\beta)+8i\sin^3(\beta)\cos^3(\beta))
 -2i\sin^5(\beta)\cos(\beta))\left(e^{6i\gamma}\left(\cos^2(\beta)\sin^4(\beta)-\cos^4(\beta)\sin^2(\beta)\right)+e^{-6i\gamma}\left(-i\sin(\beta)\cos^5(\beta)-i\sin^5(\beta)\cos(\beta)\right)\right)
+e^{2i\gamma}\left(-3i\sin(\beta)\cos^{5}(\beta)-6\sin^{2}(\beta)\cos^{4}(\beta)+12i\sin^{3}(\beta)\cos^{3}(\beta)+6\sin^{4}(\beta)\cos^{2}(\beta)-3i\sin^{5}(\beta)\cos(\beta)\right)
+e^{-2i\gamma}\left(\cos^{6}(\beta)-2i\sin(\beta)\cos^{5}(\beta)-8\sin^{2}(\beta)\cos^{4}(\beta)+8i\sin^{3}(\beta)\cos^{3}(\beta)+8\sin^{4}(\beta)\cos^{2}(\beta)-2i\sin^{5}(\beta)\cos(\beta)-\sin^{6}(\beta)\right)
+e^{2i\gamma}\left(6\cos^{2}(\beta)\sin^{4}(\beta)-6\cos^{4}(\beta)\sin^{2}(\beta)\right)\left(e^{-6i\gamma}\left(\cos^{2}(\beta)\sin^{4}(\beta)-\cos^{4}(\beta)\sin^{2}(\beta)\right)\right)
+e^{6i\gamma}\left(-i\sin(\beta)\cos^5(\beta)-i\sin^5(\beta)\cos(\beta)\right)
+e^{-2i\gamma}\left(-3i\sin(\beta)\cos^{5}(\beta)-6\sin^{2}(\beta)\cos^{4}(\beta)+12i\sin^{3}(\beta)\cos^{3}(\beta)+6\sin^{4}(\beta)\cos^{2}(\beta)-3i\sin^{5}(\beta)\cos(\beta)\right)
+e^{2i\gamma}\left(\cos^{6}(\beta)-2i\sin(\beta)\cos^{5}(\beta)-8\sin^{2}(\beta)\cos^{4}(\beta)+8i\sin^{3}(\beta)\cos^{3}(\beta)+8\sin^{4}(\beta)\cos^{2}(\beta)-2i\sin^{5}(\beta)\cos(\beta)-\sin^{6}(\beta)\right)
+e^{-2i\gamma}\left(\cos^{6}(\beta)-5\sin^{2}(\beta)\cos^{4}(\beta)+5\sin^{4}(\beta)\cos^{2}(\beta)-\sin^{6}(\beta)\right)\left(2ie^{6i\gamma}\cos^{3}(\beta)\sin^{3}(\beta)+e^{-6i\gamma}\left(\cos^{2}(\beta)\sin^{4}(\beta)-\cos^{4}(\beta)\sin^{4}(\beta)\cos^{2}(\beta)\sin^{4}(\beta)\right)\right)
+e^{2i\gamma}\left(-2i\sin(\beta)\cos^{5}(\beta)-9\sin^{2}(\beta)\cos^{4}(\beta)+8i\sin^{3}(\beta)\cos^{3}(\beta)+9\sin^{4}(\beta)\cos^{2}(\beta)-2i\sin^{5}(\beta)\cos(\beta)\right)+e^{-2i\gamma}\left(\cos^{6}(\beta)-4i\sin^{3}(\beta)\cos^{2}(\beta)-2i\sin^{5}(\beta)\cos(\beta)\right)
+e^{2i\gamma}\left(-2i\sin(\beta)\cos^{5}(\beta)+8i\sin^{3}(\beta)\cos^{3}(\beta)-2i\sin^{5}(\beta)\cos(\beta)\right)\left(2ie^{-6i\gamma}\cos^{3}(\beta)\sin^{3}(\beta)+e^{6i\gamma}\left(\cos^{2}(\beta)\sin^{4}(\beta)-\cos^{4}(\beta)\sin^{3}(\beta)+e^{6i\gamma}\cos^{3}(\beta)\sin^{4}(\beta)-\cos^{4}(\beta)\sin^{4}(\beta)\cos^{3}(\beta)\right)
+e^{-2i\gamma}\left(-2i\sin(\beta)\cos^{5}(\beta)-9\sin^{2}(\beta)\cos^{4}(\beta)+8i\sin^{3}(\beta)\cos^{3}(\beta)+9\sin^{4}(\beta)\cos^{2}(\beta)-2i\sin^{5}(\beta)\cos(\beta)\right)+e^{2i\gamma}\left(\cos^{6}(\beta)-4i\sin^{3}(\beta)\cos^{3}(\beta)+9\sin^{4}(\beta)\cos^{2}(\beta)-2i\sin^{5}(\beta)\cos(\beta)\right)
+e^{-2i\gamma}\left(-2i\sin(\beta)\cos^{5}(\beta)+2i\sin^{3}(\beta)\cos^{3}(\beta)-2i\sin^{5}(\beta)\cos(\beta)\right)\left(2ie^{-6i\gamma}\cos^{3}(\beta)\sin^{3}(\beta)+e^{6i\gamma}\left(\cos^{2}(\beta)\sin^{4}(\beta)-\cos^{4}(\beta)\sin^{3}(\beta)+e^{-6i\gamma}\cos^{3}(\beta)\sin^{3}(\beta)+e^{-6i\gamma}\cos^{3}(\beta)\sin^{3}(\beta)+e^{-6i\gamma}\cos^{3}(\beta)\sin^{3}(\beta)+e^{-6i\gamma}\cos^{3}(\beta)\sin^{3}(\beta)+e^{-6i\gamma}\cos^{3}(\beta)\sin^{3}(\beta)+e^{-6i\gamma}\cos^{3}(\beta)\sin^{3}(\beta)+e^{-6i\gamma}\cos^{3}(\beta)\sin^{3}(\beta)+e^{-6i\gamma}\cos^{3}(\beta)\sin^{3}(\beta)+e^{-6i\gamma}\cos^{3}(\beta)\sin^{3}(\beta)+e^{-6i\gamma}\cos^{3}(\beta)\sin^{3}(\beta)+e^{-6i\gamma}\cos^{3}(\beta)\sin^{3}(\beta)+e^{-6i\gamma}\cos^{3}(\beta)\sin^{3}(\beta)+e^{-6i\gamma}\cos^{3}(\beta)\sin^{3}(\beta)+e^{-6i\gamma}\cos^{3}(\beta)\sin^{3}(\beta)+e^{-6i\gamma}\cos^{3}(\beta)\sin^{3}(\beta)+e^{-6i\gamma}\cos^{3}(\beta)\sin^{3}(\beta)+e^{-6i\gamma}\cos^{3}(\beta)\sin^{3}(\beta)+e^{-6i\gamma}\cos^{3}(\beta)\sin^{3}(\beta)+e^{-6i\gamma}\cos^{3}(\beta)\sin^{3}(\beta)+e^{-6i\gamma}\cos^{3}(\beta)\sin^{3}(\beta)+e^{-6i\gamma}\cos^{3}(\beta)\sin^{3}(\beta)+e^{-6i\gamma}\cos^{3}(\beta)\sin^{3}(\beta)+e^{-6i\gamma}\cos^{3}(\beta)\sin^{3}(\beta)+e^{-6i\gamma}\cos^{3}(\beta)\sin^{3}(\beta)+e^{-6i\gamma}\cos^{3}(\beta)\sin^{3}(\beta)+e^{-6i\gamma}\cos^{3}(\beta)\sin^{3}(\beta)+e^{-6i\gamma}\cos^{3}(\beta)\sin^{3}(\beta)+e^{-6i\gamma}\cos^{3}(\beta)\sin^{3}(\beta)+e^{-6i\gamma}\cos^{3}(\beta)\sin^{3}(\beta)+e^{-6i\gamma}\cos^{3}(\beta)\sin^{3}(\beta)+e^{-6i\gamma}\cos^{3}(\beta)\sin^{3}(\beta)+e^{-6i\gamma}\cos^{3}(\beta)\sin^{3}(\beta)+e^{-6i\gamma}\cos^{3}(\beta)\sin^{3}(\beta)+e^{-6i\gamma}\cos^{3}(\beta)\sin^{3}(\beta)\cos^{3}(\beta)\sin^{3}(\beta)+e^{-6i\gamma}\cos^{3}(\beta)\sin^{3}(\beta)+e^{-6i\gamma}\cos^{3}(\beta)\sin^{3}(\beta)+e^{-6i\gamma}\cos^{3}(\beta)\sin^{3}(\beta)+e^{-6i\gamma}\cos^{3}(\beta)\sin^{3}(\beta)\cos^{3}(\beta)\cos^{3}(\beta)\cos^{3}(\beta)\cos^{3}(\beta)\cos^{3}(\beta)\cos^{3}(\beta)\cos^{3}(\beta)\cos^{3}(\beta)\cos^{3}(\beta)\cos^{3}(\beta)\cos^{3}(\beta)\cos^{3}(\beta)\cos^{3}(\beta)\cos^{3}(\beta)\cos^{3}(\beta)\cos^{3}(\beta)\cos^{3}(\beta)\cos^{3}(\beta)\cos^{3}(\beta)\cos^{3}(\beta)\cos^{3}(\beta)\cos^{3}(\beta)\cos^{3}(\beta)\cos^{3}(\beta)\cos^{3}(\beta)\cos^{3}(\beta)\cos^{3}(\beta)\cos^{3}(\beta)\cos^{3}(\beta)\cos^{3}(\beta)\cos^{3}(\beta)\cos^{3}(\beta)\cos^{3}(\beta)\cos^{3}(\beta)\cos^{3}(\beta)\cos^{3}(\beta)\cos^{3}(\beta)\cos^{3}(\beta)\cos^{3}(\beta)\cos^{3}(\beta)\cos^{3}(\beta)\cos^{3}(\beta)\cos^{3}(\beta)\cos^{3}(\beta)\cos^{3}(\beta)\cos^{3}(\beta)\cos^{3}(\beta)\cos^{3}(\beta)\cos^{3}(\beta)\cos^{3}(\beta)\cos^{3}(\beta)\cos^{3}(\beta)\cos^{3}(\beta)\cos^{3}(\beta)\cos^{3}(\beta)\cos^{3}(\beta)\cos^{3}(\beta)\cos^{3}(\beta)\cos^{3}(\beta)\cos^{3}(\beta)\cos^{3}(\beta)\cos^{3}(\beta)\cos^{3}(\beta)\cos^{3}(\beta)\cos^{3}(\beta)\cos^{3}(\beta)\cos^{3}(\beta)\cos^{3}(\beta)\cos^{3}(\beta)\cos^{3}(\beta)\cos^{3}(\beta)\cos^{3}(\beta)\cos^{3}(\beta)\cos^{3}(\beta)\cos^{3}(\beta)\cos^{3}(\beta)\cos^{3}(\beta)\cos^{3}(\beta)\cos^{3}(\beta)\cos^{3}(\beta)\cos^{3}(\beta)\cos^{3}(\beta)\cos^{3}(\beta)\cos^{3}(\beta)\cos^{3}(\beta)\cos^{3}(\beta)\cos^{3}(\beta)\cos^{3}(\beta)\cos^{3}(\beta)\cos^{3}(\beta)\cos^{3}(\beta)\cos^{3}(\beta)\cos^{3}(\beta)\cos^{3}(\beta)\cos^{3}(\beta)\cos^{3}(\beta)\cos^{3}(\beta)\cos^{3}(\beta)\cos^{3}(\beta)\cos^{3}(\beta)\cos^{3}(\beta)\cos^{3}(\beta)\cos^{3}(\beta)\cos^{3}(\beta)\cos^{3}(\beta)\cos^{3}(\beta)\cos^{3}(\beta)\cos^{3}(\beta)\cos^{3}(\beta)\cos^{3}(\beta)\cos^{3}(\beta)\cos^{3}(\beta)\cos^{3}(\beta)\cos^{3}(\beta)\cos^{3}(\beta)\cos^{3}(\beta)\cos^{3}(\beta)\cos^{3}(\beta)\cos
+e^{2i\gamma}\left(-2i\sin(\beta)\cos^{5}(\beta)-6\sin^{2}(\beta)\cos^{4}(\beta)+14i\sin^{3}(\beta)\cos^{3}(\beta)+6\sin^{4}(\beta)\cos^{2}(\beta)-2i\sin^{5}(\beta)\cos(\beta)\right)+e^{-2i\gamma}\left(\cos^{6}(\beta)-4i\sin^{2}(\beta)\cos^{2}(\beta)-6\sin^{2}(\beta)\cos^{4}(\beta)+14i\sin^{3}(\beta)\cos^{3}(\beta)+6\sin^{4}(\beta)\cos^{2}(\beta)-2i\sin^{5}(\beta)\cos(\beta)\right)+e^{-2i\gamma}\left(\cos^{6}(\beta)-4i\sin^{2}(\beta)\cos^{2}(\beta)-2i\sin^{5}(\beta)\cos(\beta)\right)+e^{-2i\gamma}\left(\cos^{6}(\beta)-4i\sin^{4}(\beta)\cos^{2}(\beta)-2i\sin^{5}(\beta)\cos(\beta)\right)+e^{-2i\gamma}\left(\cos^{6}(\beta)-4i\sin^{4}(\beta)\cos^{2}(\beta)-2i\sin^{5}(\beta)\cos(\beta)\right)+e^{-2i\gamma}\left(\cos^{6}(\beta)-4i\sin^{4}(\beta)\cos^{2}(\beta)-2i\sin^{5}(\beta)\cos(\beta)\right)+e^{-2i\gamma}\left(\cos^{6}(\beta)-4i\sin^{4}(\beta)\cos^{2}(\beta)-2i\sin^{5}(\beta)\cos(\beta)\right)+e^{-2i\gamma}\left(\cos^{6}(\beta)-4i\sin^{4}(\beta)\cos^{4}(\beta)-2i\sin^{4}(\beta)\cos(\beta)\right)+e^{-2i\gamma}\left(\cos^{6}(\beta)-4i\sin^{4}(\beta)\cos^{4}(\beta)-2i\sin^{4}(\beta)\cos(\beta)\right)+e^{-2i\gamma}\left(\cos^{6}(\beta)-4i\sin^{4}(\beta)\cos^{4}(\beta)-2i\sin^{4}(\beta)\cos(\beta)\right)+e^{-2i\gamma}\left(\cos^{6}(\beta)-4i\sin^{4}(\beta)\cos^{4}(\beta)-2i\sin^{4}(\beta)\cos(\beta)\right)+e^{-2i\gamma}\left(\cos^{6}(\beta)-4i\sin^{4}(\beta)\cos(\beta)-2i\sin^{4}(\beta)\cos(\beta)\right)+e^{-2i\gamma}\left(\cos^{6}(\beta)-4i\sin^{4}(\beta)\cos(\beta)-2i\sin^{4}(\beta)\cos(\beta)\right)+e^{-2i\gamma}\left(\cos^{6}(\beta)-4i\sin^{4}(\beta)\cos(\beta)-2i\sin^{4}(\beta)\cos(\beta)\right)+e^{-2i\gamma}\left(\cos^{6}(\beta)-4i\sin^{4}(\beta)\cos(\beta)-2i\sin^{4}(\beta)\cos(\beta)\right)+e^{-2i\gamma}\left(\cos^{6}(\beta)-2i\sin^{4}(\beta)\cos(\beta)\right)+e^{-2i\gamma}\left(\cos^{6}(\beta)-2i\sin^{4}(\beta)\cos(\beta)\right)+e^{-2i\gamma}\left(\cos^{6}(\beta)-2i\sin^{4}(\beta)\cos(\beta)\right)+e^{-2i\gamma}\left(\cos^{6}(\beta)-2i\sin^{4}(\beta)\cos(\beta)\right)+e^{-2i\gamma}\left(\cos^{6}(\beta)-2i\sin^{4}(\beta)\cos(\beta)\right)+e^{-2i\gamma}\left(\cos^{6}(\beta)-2i\sin^{4}(\beta)\cos(\beta)\right)+e^{-2i\gamma}\left(\cos^{6}(\beta)-2i\sin^{4}(\beta)\cos(\beta)\right)+e^{-2i\gamma}\left(\cos^{6}(\beta)-2i\sin^{4}(\beta)\cos(\beta)\right)+e^{-2i\gamma}\left(\cos^{6}(\beta)-2i\sin^{4}(\beta)\cos(\beta)\right)+e^{-2i\gamma}\left(\cos^{6}(\beta)-2i\sin^{4}(\beta)\cos(\beta)\right)+e^{-2i\gamma}\left(\cos^{6}(\beta)-2i\sin^{4}(\beta)\cos(\beta)\right)+e^{-2i\gamma}\left(\cos^{6}(\beta)-2i\sin^{4}(\beta)\cos(\beta)\right)+e^{-2i\gamma}\left(\cos^{6}(\beta)-2i\sin^{4}(\beta)\cos(\beta)\right)+e^{-2i\gamma}\left(\cos^{6}(\beta)-2i\sin^{4}(\beta)\cos(\beta)\right)+e^{-2i\gamma}\left(\cos^{6}(\beta)-2i\sin^{4}(\beta)\cos(\beta)\right)+e^{-2i\gamma}\left(\cos^{6}(\beta)-2i\sin^{6}(\beta)\cos(\beta)\right)+e^{-2i\gamma}\left(\cos^{6}(\beta)-2i\sin^{6}(\beta)\cos(\beta)\right)+e^{-2i\gamma}\left(\cos^{6}(\beta)-2i\sin^{6}(\beta)\cos(\beta)\right)+e^{-2i\gamma}\left(\cos^{6}(\beta)-2i\sin^{6}(\beta)\cos(\beta)\right)+e^{-2i\gamma}\left(\cos^{6}(\beta)-2i\sin^{6}(\beta)\cos(\beta)\right)+e^{-2i\gamma}\left(\cos^{6}(\beta)-2i\sin^{6}(\beta)\cos(\beta)\right)+e^{-2i\beta}\left(\cos^{6}(\beta)-2i\sin^{6}(\beta)\cos(\beta)\right)+e^{-2i\beta}\left(\cos^{6}(\beta)-2i\sin^{6}(\beta)\cos(\beta)\right)+e^{-2i\beta}\left(\cos^{6}(\beta)-2i\sin^{6}(\beta)\cos(\beta)\right)+e^{-2i\beta}\left(\cos^{6}(\beta)-2i\sin^{6}(\beta)\cos(\beta)\right)+e^{-2i\beta}\left(\cos^{6}(\beta)-2i\sin^{6}(\beta)\right)+e^{-2i\beta}\left(\cos^{6}(\beta)-2i\sin^{6}(\beta)\right)+e^{-2i\beta}\left(\cos^{6}(\beta)-2i\sin^{6}(\beta)\right)+e^{-2i\beta}\left(\cos^{6}(\beta)-2i\sin^{6}(\beta)\right)+e^{-2i\beta}\left(\cos^{6}(\beta)-2i\sin^{6}(\beta)\right)+e^{-2i\beta}\left(\cos^{6}(\beta)-2i\sin^{6}(\beta)\right)+e^{-2i\beta}\left(\cos^{6}(\beta)-2i\sin^{6}(\beta)\right)+e^{-2i\beta}\left(\cos
+e^{2i\gamma}\left(3\cos^{2}(\beta)\sin^{4}(\beta)-3\cos^{4}(\beta)\sin^{2}(\beta)\right)\left(2ie^{6i\gamma}\cos^{3}(\beta)\sin^{3}(\beta)+e^{-6i\gamma}\left(\cos^{2}(\beta)\sin^{4}(\beta)-\cos^{4}(\beta)\sin^{2}(\beta)\right)+e^{-2i\gamma}\left(-2i\sin^{4}(\beta)\cos^{2}(\beta)\sin^{4}(\beta)-\cos^{4}(\beta)\sin^{2}(\beta)\right)\right)
+e^{2i\gamma}\left(\cos^{6}(\beta)-4i\sin(\beta)\cos^{5}(\beta)-8\sin^{2}(\beta)\cos^{4}(\beta)+4i\sin^{3}(\beta)\cos^{3}(\beta)+8\sin^{4}(\beta)\cos^{2}(\beta)-4i\sin^{5}(\beta)\cos(\beta)-\sin^{6}(\beta)\right)\right)
+e^{2i\gamma} \left(-9 \sin ^2(\beta) \cos ^4(\beta)-12 i \sin ^3(\beta) \cos ^3(\beta)+9 \sin ^4(\beta) \cos ^2(\beta)\right)+e^{-2 i \gamma} \left(6 i \sin (\beta) \cos ^5(\beta)-6 \sin ^2(\beta) \cos ^4(\beta)-6 i \sin ^3(\beta) \cos ^3(\beta)\right)+e^{-2 i \gamma} \left(6 i \sin (\beta) \cos ^5(\beta)-6 \sin ^2(\beta) \cos ^4(\beta)\right)+e^{-2 i \gamma} \left(6 i \sin (\beta) \cos ^5(\beta)-6 \sin ^2(\beta) \cos ^4(\beta)\right)+e^{-2 i \gamma} \left(6 i \sin (\beta) \cos ^5(\beta)-6 \sin ^2(\beta) \cos ^4(\beta)\right)+e^{-2 i \gamma} \left(6 i \sin (\beta) \cos ^5(\beta)-6 \sin ^2(\beta) \cos ^4(\beta)\right)+e^{-2 i \gamma} \left(6 i \sin (\beta) \cos ^5(\beta)-6 \sin ^2(\beta) \cos ^4(\beta)\right)+e^{-2 i \gamma} \left(6 i \sin (\beta) \cos ^5(\beta)-6 \sin ^2(\beta) \cos ^4(\beta)\right)+e^{-2 i \gamma} \left(6 i \sin (\beta) \cos ^5(\beta)-6 \sin ^2(\beta) \cos ^4(\beta)\right)+e^{-2 i \gamma} \left(6 i \sin (\beta) \cos ^4(\beta)-6 \sin ^4(\beta) \cos ^4(\beta)\right)+e^{-2 i \gamma} \left(6 i \sin (\beta) \cos ^4(\beta)-6 \sin ^4(\beta) \cos ^4(\beta)\right)+e^{-2 i \gamma} \left(6 i \sin (\beta) \cos ^4(\beta)-6 \sin ^4(\beta) \cos ^4(\beta)\right)+e^{-2 i \gamma} \left(6 i \sin (\beta) \cos ^4(\beta)-6 \sin ^4(\beta) \cos ^4(\beta)\right)+e^{-2 i \gamma} \left(6 i \sin (\beta) \cos ^4(\beta)-6 \sin ^4(\beta) \cos ^4(\beta)\right)+e^{-2 i \gamma} \left(6 i \sin (\beta) \cos ^4(\beta)-6 \sin ^4(\beta) \cos ^4(\beta)\right)+e^{-2 i \gamma} \left(6 i \sin (\beta) \cos ^4(\beta)-6 \sin ^4(\beta) \cos ^4(\beta)\right)+e^{-2 i \gamma} \left(6 i \sin (\beta) \cos ^4(\beta)-6 \sin ^4(\beta) \cos ^4(\beta)\right)+e^{-2 i \gamma} \left(6 i \sin (\beta) \cos ^4(\beta)-6 \sin ^4(\beta) \cos ^4(\beta)\right)+e^{-2 i \gamma} \left(6 i \sin (\beta) \cos ^4(\beta)-6 \sin ^4(\beta) \cos ^4(\beta)\right)+e^{-2 i \gamma} \left(6 i \sin (\beta) \cos ^4(\beta)-6 \sin ^4(\beta) \cos ^4(\beta)\right)+e^{-2 i \gamma} \left(6 i \sin (\beta) \cos ^4(\beta)-6 \sin ^4(\beta) \cos ^4(\beta)\right)+e^{-2 i \gamma} \left(6 i \sin (\beta) \cos ^4(\beta)-6 \sin ^4(\beta) \cos ^4(\beta)\right)+e^{-2 i \gamma} \left(6 i \sin (\beta) \cos ^4(\beta)-6 \sin ^4(\beta) \cos ^4(\beta)\right)+e^{-2 i \gamma} \left(6 i \sin (\beta) \cos ^4(\beta)-6 \sin ^4(\beta) \cos ^4(\beta)\right)+e^{-2 i \gamma} \left(6 i \sin (\beta) \cos ^4(\beta)-6 \sin ^4(\beta) \cos ^4(\beta)\right)+e^{-2 i \gamma} \left(6 i \sin (\beta) \cos ^4(\beta)-6 \sin ^4(\beta) \cos ^4(\beta)\right)+e^{-2 i \gamma} \left(6 i \sin (\beta) \cos ^4(\beta)-6 \sin ^4(\beta) \cos ^4(\beta)\right)+e^{-2 i \gamma} \left(6 i \sin (\beta) \cos ^4(\beta)-6 \sin ^4(\beta) \cos ^4(\beta)\right)+e^{-2 i \gamma} \left(6 i \sin (\beta) \cos ^4(\beta)-6 \sin ^4(\beta) \cos ^4(\beta)\right)+e^{-2 i \gamma} \left(6 i \sin (\beta) \cos ^4(\beta)-6 \sin ^4(\beta) \cos ^4(\beta)\right)+e^{-2 i \gamma} \left(6 i \sin (\beta) \cos ^4(\beta)-6 \sin ^4(\beta) \cos ^4(\beta)\right)+e^{-2 i \gamma} \left(6 i \sin (\beta) \cos ^4(\beta)-6 \sin ^4(\beta) \cos ^4(\beta)\right)+e^{-2 i \gamma} \left(6 i \sin (\beta) \cos ^4(\beta)-6 \sin ^4(\beta) \cos ^4(\beta)\right)+e^{-2 i \gamma} \left(6 i \sin (\beta) \cos ^4(\beta)-6 \sin ^4(\beta) \cos ^4(\beta)\right)+e^{-2 i \gamma} \left(6 i \sin (\beta) \cos ^4(\beta)-6 \sin ^4(\beta)\right)+e^{-2 i \gamma} \left(6 i \sin (\beta) \cos ^4(\beta)-6 i \sin ^4(\beta)\right)+e^{-2 i \gamma} \left(6 i \sin (\beta) \cos ^4(\beta)-6 i \sin ^4(\beta)\right)+e^{-2 i \gamma} \left(6 i \sin (\beta) \cos ^4(\beta)\right)+e^{-2
+e^{-6i\gamma}\left(\cos^{6}(\beta)-\sin^{6}(\beta)\right)\sin^{3}(\beta)+e^{6i\gamma}\left(\cos^{2}(\beta)\sin^{4}(\beta)-\cos^{4}(\beta)\sin^{2}(\beta)\right)\left(-2ie^{-6i\gamma}\cos^{3}(\beta)\sin^{3}(\beta)+e^{-2i\gamma}\left(-9\sin^{2}(\beta)\cos^{2}(\beta)\sin^{2}(\beta)\right)\cos^{2}(\beta)\sin^{2}(\beta)\right)
+e^{2i\gamma}\left(6i\sin(\beta)\cos^{5}(\beta)-6\sin^{2}(\beta)\cos^{4}(\beta)-6i\sin^{3}(\beta)\cos^{3}(\beta)+6\sin^{4}(\beta)\cos^{2}(\beta)+6i\sin^{5}(\beta)\cos(\beta)\right)+e^{6i\gamma}\left(\cos^{6}(\beta)-\sin^{6}(\beta)\cos^{4}(\beta)-6i\sin^{3}(\beta)\cos^{3}(\beta)+6\sin^{4}(\beta)\cos^{2}(\beta)+6i\sin^{5}(\beta)\cos(\beta)\right)
+e^{-2i\gamma}\left(6\cos^{2}(\beta)\sin^{4}(\beta)-6\cos^{4}(\beta)\sin^{2}(\beta)\right)\left(e^{6i\gamma}\left(\cos^{2}(\beta)\sin^{4}(\beta)-\cos^{4}(\beta)\sin^{2}(\beta)\right)+e^{-6i\gamma}\left(i\sin(\beta)\cos^{5}(\beta)+i\sin^{5}(\beta)\cos^{2}(\beta)\sin^{4}(\beta)-\cos^{4}(\beta)\sin^{4}(\beta)-\cos^{4}(\beta)\sin^{4}(\beta)-\cos^{4}(\beta)\sin^{4}(\beta)-\cos^{4}(\beta)\sin^{4}(\beta)-\cos^{4}(\beta)\sin^{4}(\beta)-\cos^{4}(\beta)\sin^{4}(\beta)-\cos^{4}(\beta)\sin^{4}(\beta)-\cos^{4}(\beta)\sin^{4}(\beta)-\cos^{4}(\beta)\sin^{4}(\beta)-\cos^{4}(\beta)\sin^{4}(\beta)-\cos^{4}(\beta)\sin^{4}(\beta)-\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)
+e^{2i\gamma}(3i\sin(\beta)\cos^5(\beta)-6\sin^2(\beta)\cos^4(\beta)-12i\sin^3(\beta)\cos^3(\beta)+6\sin^4(\beta)\cos^2(\beta)+3i\sin^5(\beta)\cos(\beta))+e^{-2i\gamma}(\cos^6(\beta)+2i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^
+e^{2i\gamma}\left(2i\sin(\beta)\cos^5(\beta)-8i\sin^3(\beta)\cos^3(\beta)+2i\sin^5(\beta)\cos(\beta)\right)\left(e^{-6i\gamma}\left(\cos^2(\beta)\sin^4(\beta)-\cos^4(\beta)\sin^2(\beta)\right)+e^{6i\gamma}\left(i\sin(\beta)\cos^5(\beta)-8i\sin^3(\beta)\cos^3(\beta)+2i\sin^5(\beta)\cos(\beta)\right)\right)
+e^{-2i\gamma}(3i\sin(\beta)\cos^5(\beta)-6\sin^2(\beta)\cos^4(\beta)-12i\sin^3(\beta)\cos^3(\beta)+6\sin^4(\beta)\cos^2(\beta)+3i\sin^5(\beta)\cos(\beta))+e^{2i\gamma}(\cos^6(\beta)+2i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta
+e^{-2i\gamma}\left(2i\sin(\beta)\cos^{5}(\beta)-8i\sin^{3}(\beta)\cos^{3}(\beta)+2i\sin^{5}(\beta)\cos(\beta)\right)\left(-2ie^{6i\gamma}\cos^{3}(\beta)\sin^{3}(\beta)+e^{-6i\gamma}\left(\cos^{2}(\beta)\sin^{4}(\beta)-\cos^{4}(\beta)\sin^{3}(\beta)+e^{-6i\gamma}\cos^{3}(\beta)\sin^{4}(\beta)+e^{-6i\gamma}\cos^{4}(\beta)\sin^{4}(\beta)+e^{-6i\gamma}\cos^{4}(\beta)\sin^{4}(\beta)+e^{-6i\gamma}\cos^{4}(\beta)\sin^{4}(\beta)+e^{-6i\gamma}\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^
+e^{2i\gamma}\left(2i\sin(\beta)\cos^{5}(\beta)-9\sin^{2}(\beta)\cos^{4}(\beta)-8i\sin^{3}(\beta)\cos^{3}(\beta)+9\sin^{4}(\beta)\cos^{2}(\beta)+2i\sin^{5}(\beta)\cos(\beta)\right)+e^{-2i\gamma}\left(\cos^{6}(\beta)+4i\sin^{3}(\beta)\cos^{3}(\beta)+9\sin^{4}(\beta)\cos^{2}(\beta)+2i\sin^{5}(\beta)\cos(\beta)\right)
+e^{2i\gamma}\left(\cos^{6}(\beta)-5\sin^{2}(\beta)\cos^{4}(\beta)+5\sin^{4}(\beta)\cos^{2}(\beta)-\sin^{6}(\beta)\right)\left(-2ie^{-6i\gamma}\cos^{3}(\beta)\sin^{3}(\beta)+e^{6i\gamma}\left(\cos^{2}(\beta)\sin^{4}(\beta)-\cos^{4}(\beta)\sin^{4}(\beta)\cos^{2}(\beta)\sin^{4}(\beta)\right)\right)
+e^{-2i\gamma}\left(2i\sin(\beta)\cos^{5}(\beta)-9\sin^{2}(\beta)\cos^{4}(\beta)-8i\sin^{3}(\beta)\cos^{3}(\beta)+9\sin^{4}(\beta)\cos^{2}(\beta)+2i\sin^{5}(\beta)\cos(\beta)\right)+e^{2i\gamma}\left(\cos^{6}(\beta)+4i\sin^{3}(\beta)\cos^{3}(\beta)+9\sin^{4}(\beta)\cos^{2}(\beta)+2i\sin^{5}(\beta)\cos(\beta)\right)+e^{2i\gamma}\left(\cos^{6}(\beta)+4i\sin^{3}(\beta)\cos^{3}(\beta)+9\sin^{4}(\beta)\cos^{2}(\beta)+2i\sin^{5}(\beta)\cos(\beta)\right)+e^{2i\gamma}\left(\cos^{6}(\beta)+4i\sin^{3}(\beta)\cos^{3}(\beta)+9\sin^{4}(\beta)\cos^{2}(\beta)+2i\sin^{5}(\beta)\cos(\beta)\right)+e^{2i\gamma}\left(\cos^{6}(\beta)+4i\sin^{3}(\beta)\cos^{3}(\beta)+9\sin^{4}(\beta)\cos^{2}(\beta)+2i\sin^{5}(\beta)\cos(\beta)\right)+e^{2i\gamma}\left(\cos^{6}(\beta)+4i\sin^{4}(\beta)\cos^{4}(\beta)+3i\sin^{4}(\beta)\cos^{4}(\beta)+3i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos(\beta)\right)+e^{2i\gamma}\left(\cos^{6}(\beta)+4i\sin^{4}(\beta)\cos^{4}(\beta)+3i\sin^{4}(\beta)\cos^{4}(\beta)+3i\sin^{4}(\beta)\cos^{4}(\beta)+3i\sin^{4}(\beta)\cos^{4}(\beta)+3i\sin^{4}(\beta)\cos^{4}(\beta)+3i\sin^{4}(\beta)\cos^{4}(\beta)+3i\sin^{4}(\beta)\cos^{4}(\beta)+3i\sin^{4}(\beta)\cos^{4}(\beta)+3i\sin^{4}(\beta)\cos^{4}(\beta)+3i\sin^{4}(\beta)\cos^{4}(\beta)+3i\sin^{4}(\beta)\cos^{4}(\beta)+3i\sin^{4}(\beta)\cos^{4}(\beta)+3i\sin^{4}(\beta)\cos^{4}(\beta)+3i\sin^{4}(\beta)\cos^{4}(\beta)+3i\sin^{4}(\beta)\cos^{4}(\beta)+3i\sin^{4}(\beta)\cos^{4}(\beta)+3i\sin^{4}(\beta)\cos^{4}(\beta)+3i\sin^{4}(\beta)\cos^{4}(\beta)+3i\sin^{4}(\beta)\cos^{4}(\beta)+3i\sin^{4}(\beta)\cos^{4}(\beta)+3i\sin^{4}(\beta)\cos^{4}(\beta)+3i\sin^{4}(\beta)\cos^{4}(\beta)+3i\sin^{4}(\beta)\cos^{4}(\beta)+3i\sin^{4}(\beta)\cos^{4}(\beta)+3i\sin^{4}(\beta)\cos^{4}(\beta)+3i\sin^{4}(\beta)\cos^{4}(\beta)+3i\sin^{4}(\beta)\cos^{4}(\beta)+3i\sin^{4}(\beta)\cos^{4}(\beta)+3i\sin^{4}(\beta)\cos^{4}(\beta)+3i\sin^{4}(\beta)\cos^{4}(\beta)+3i\sin^{4}(\beta)\cos^{4}(\beta)+3i\sin^{4}(\beta)\cos^{4}(\beta)+3i\sin^{4}(\beta)\cos^{4}(\beta)+3i\sin^{4}(\beta)\cos^{4}(\beta)+3i\sin^{4}(\beta)\cos^{4}(\beta)+3i\sin^{4}(\beta)\cos^{4}(\beta)+3i\sin^{4}(\beta)\cos^{4}(\beta)+3i\sin^{4}(\beta)\cos^{4}(\beta)+3i\sin^{4}(\beta)\cos^{4}(\beta)+3i\sin^{4}(\beta)\cos^{4}(\beta)+3i\sin^{4}(\beta)\cos^{4}(\beta)+3i\sin^{4}(\beta)\cos^{4}(\beta)+3i\sin^{4}(\beta)\cos^{4}(\beta)+3i\sin^{4}(\beta)\cos^{4}(\beta)+3i\sin^{4}(\beta)\cos^{4}(\beta)+3i\sin^{4}(\beta)\cos^{4}(\beta)+3i\sin^{4}(\beta)\cos^{4}(\beta)+3i\sin^{4}(\beta)\cos^{4}(\beta)+3i\sin^{4}(\beta)\cos^{4}(\beta)+3i\sin^{4}(\beta)\cos^{4}(\beta)+3i\sin^{4}(\beta)\cos^{4}(\beta)+3i\sin^{4}(\beta)\cos^{4}(\beta)+3i\sin^{4}(\beta)\cos^{4}(\beta)+3i\sin^{4}(\beta)\cos^{4}(\beta)+3i\sin^{4}(\beta)\cos^{4}(\beta)+3i\sin^{4}(\beta)\cos^{4}(\beta)+3i\sin^{4}(\beta)\cos^{4}(\beta)+3i\sin^{4}(\beta)\cos^{4}(\beta)+3i\sin^{4}(\beta)\cos^{4}(\beta)+3i\sin^{4}(\beta)\cos^{4}(\beta)+3i\sin^{4}(\beta)\cos^{4}(\beta)+3i\sin^{4}(\beta)\cos^{4}(\beta)+3i\sin^{4}(\beta)\cos^{4}(\beta)+3i\sin^{4}(\beta)\cos^{4}(\beta)+3i\sin^{4}(\beta)\cos^{4}(\beta)+3i\sin^{4}(\beta)\cos^{4}(\beta)+3i\sin^{4}(\beta)\cos^{4}(\beta)+3i\sin^{4}(\beta)\cos^{4}(\beta)+3i\sin^{4}(\beta)\cos^{4}(\beta)+3i\sin^{4}(\beta)\cos^{4}(\beta)+3i\sin^{4}(\beta)\cos^{4}(\beta)+3i\sin^{4}(\beta)\cos^{4}(\beta)+3i\sin^{4}(\beta)\cos^{4}(\beta)+3i\sin^{4}(\beta)\cos^{4}(\beta)+3i\sin^{4}(\beta)\cos^{4}(\beta)+3i\sin^{4}(\beta)\cos^{4}(\beta)+3i\sin^{4}(\beta)\cos^{4}(\beta)+3i\sin^{4}(\beta)\cos^{4}(\beta)+3i\sin^{4}(\beta)+3i\sin^{4}(\beta)+3i\sin^{4}(\beta)+3i\sin^{4}(\beta)+3i\sin^{4}(\beta)+3i\sin^{4}(\beta)+
+e^{-2i\gamma}\left(3\cos^{2}(\beta)\sin^{4}(\beta)-3\cos^{4}(\beta)\sin^{2}(\beta)\right)\left(-2ie^{-6i\gamma}\cos^{3}(\beta)\sin^{3}(\beta)+e^{6i\gamma}\left(\cos^{2}(\beta)\sin^{4}(\beta)-\cos^{4}(\beta)\sin^{2}(\beta)\right)\right)
+e^{2i\gamma}\left(2i\sin(\beta)\cos^{5}(\beta)-6\sin^{2}(\beta)\cos^{4}(\beta)-14i\sin^{3}(\beta)\cos^{3}(\beta)+6\sin^{4}(\beta)\cos^{2}(\beta)+2i\sin^{5}(\beta)\cos(\beta)\right)+e^{-2i\gamma}\left(\cos^{6}(\beta)+4i\sin^{3}(\beta)\cos^{3}(\beta)+6\sin^{4}(\beta)\cos^{2}(\beta)+2i\sin^{5}(\beta)\cos(\beta)\right)
+e^{2i\gamma}\left(2i\sin(\beta)\cos^5(\beta)-2i\sin^3(\beta)\cos^3(\beta)+2i\sin^5(\beta)\cos(\beta)\right)\left(-2ie^{6i\gamma}\cos^3(\beta)\sin^3(\beta)+e^{-6i\gamma}\left(\cos^2(\beta)\sin^4(\beta)-\cos^4(\beta)\sin^2(\beta)\cos(\beta)\right)\right)
+e^{-2i\gamma}(2i\sin(\beta)\cos^{5}(\beta)-6\sin^{2}(\beta)\cos^{4}(\beta)-14i\sin^{3}(\beta)\cos^{3}(\beta)+6\sin^{4}(\beta)\cos^{2}(\beta)+2i\sin^{5}(\beta)\cos(\beta))+e^{2i\gamma}(\cos^{6}(\beta)+4i\sin^{3}(\beta)\cos^{3}(\beta)+6\sin^{4}(\beta)\cos^{2}(\beta)+2i\sin^{5}(\beta)\cos(\beta))+e^{2i\gamma}(\cos^{6}(\beta)+4i\sin^{3}(\beta)\cos^{3}(\beta)+6\sin^{4}(\beta)\cos^{2}(\beta)+2i\sin^{5}(\beta)\cos(\beta))+e^{2i\gamma}(\cos^{6}(\beta)+4i\sin^{3}(\beta)\cos^{3}(\beta)+6\sin^{4}(\beta)\cos^{2}(\beta)+6\sin^{4}(\beta)\cos(\beta))+e^{2i\gamma}(\cos^{6}(\beta)+6i\sin^{4}(\beta)\cos^{2}(\beta)+6i\sin^{4}(\beta)\cos(\beta))+e^{2i\gamma}(\cos^{6}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)+6i\sin^{4}(\beta)+6i\sin^{4}(\beta)+6i\sin^{4}(\beta)+6i\sin^{4}(\beta)+6i\sin^{4}(\beta)+6i\sin^{4}(\beta)+6i\sin^{4}(\beta)+6i\sin^{4}(\beta)+6i\sin^{4}(\beta)+6i\sin^{4}(\beta)+6i\sin^{4}(\beta)+6i\sin^{4}(\beta)+6i\sin^{4}(\beta)+6i\sin^{4}(\beta)+6i\sin^{4}(\beta)+6i\sin^{4}(\beta)+6i\sin^{4}(\beta)+6i\sin^{4}(
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\left(e^{-6i\gamma}\left(\cos^2(\beta)\sin^4(\beta) - \cos^4(\beta)\sin^2(\beta)\right)\left(2ie^{6i\gamma}\cos^3(\beta)\sin^3(\beta)\right)\right)
+e^{2i\gamma}(-9\sin^2(\beta)\cos^4(\beta)+12i\sin^3(\beta)\cos^3(\beta)+9\sin^4(\beta)\cos^2(\beta))
 +e^{-2i\gamma}\left(-6i\sin(\beta)\cos^{5}(\beta)-6\sin^{2}(\beta)\cos^{4}(\beta)+6i\sin^{3}(\beta)\cos^{3}(\beta)+6\sin^{4}(\beta)\cos^{2}(\beta)-6i\sin^{5}(\beta)\cos(\beta)\right)
+e^{-6i\gamma}\left(\cos^{6}(\beta)-\sin^{6}(\beta)\right)+e^{6i\gamma}\left(-i\sin(\beta)\cos^{5}(\beta)-i\sin^{5}(\beta)\cos(\beta)\right)\left(2ie^{-6i\gamma}\cos^{3}(\beta)\sin^{3}(\beta)\right)
+e^{-2i\gamma}\left(-9\sin^2(\beta)\cos^4(\beta)+12i\sin^3(\beta)\cos^3(\beta)+9\sin^4(\beta)\cos^2(\beta)\right)
+e^{2i\gamma}\left(-6i\sin(\beta)\cos^{5}(\beta)-6\sin^{2}(\beta)\cos^{4}(\beta)+6i\sin^{3}(\beta)\cos^{3}(\beta)+6\sin^{4}(\beta)\cos^{2}(\beta)-6i\sin^{5}(\beta)\cos(\beta)\right)
+e^{6i\gamma}(\cos^6(\beta)-\sin^6(\beta)))+e^{-2i\gamma}(-2i\sin(\beta)\cos^5(\beta)+8i\sin^3(\beta)\cos^3(\beta))
 -2i\sin^5(\beta)\cos(\beta))\left(e^{6i\gamma}\left(\cos^2(\beta)\sin^4(\beta)-\cos^4(\beta)\sin^2(\beta)\right)+e^{-6i\gamma}\left(-i\sin(\beta)\cos^5(\beta)-i\sin^5(\beta)\cos(\beta)\right)\right)
+e^{2i\gamma}\left(-3i\sin(\beta)\cos^{5}(\beta)-6\sin^{2}(\beta)\cos^{4}(\beta)+12i\sin^{3}(\beta)\cos^{3}(\beta)+6\sin^{4}(\beta)\cos^{2}(\beta)-3i\sin^{5}(\beta)\cos(\beta)\right)
+e^{-2i\gamma}\left(\cos^{6}(\beta)-2i\sin(\beta)\cos^{5}(\beta)-8\sin^{2}(\beta)\cos^{4}(\beta)+8i\sin^{3}(\beta)\cos^{3}(\beta)+8\sin^{4}(\beta)\cos^{2}(\beta)-2i\sin^{5}(\beta)\cos(\beta)-\sin^{6}(\beta)\right)
+e^{2i\gamma}\left(\cos^6(\beta)-5\sin^2(\beta)\cos^4(\beta)+5\sin^4(\beta)\cos^2(\beta)\right)
   -\sin^6(\beta))\left(e^{-6i\gamma}\left(\cos^2(\beta)\sin^4(\beta)-\cos^4(\beta)\sin^2(\beta)\right)+e^{6i\gamma}\left(-i\sin(\beta)\cos^5(\beta)-i\sin^5(\beta)\cos(\beta)\right)\right)
+e^{-2i\gamma}\left(-3i\sin(\beta)\cos^{5}(\beta)-6\sin^{2}(\beta)\cos^{4}(\beta)+12i\sin^{3}(\beta)\cos^{3}(\beta)+6\sin^{4}(\beta)\cos^{2}(\beta)-3i\sin^{5}(\beta)\cos(\beta)\right)+e^{2i\gamma}\left(\cos^{6}(\beta)-2i\sin^{4}(\beta)\cos^{2}(\beta)-3i\sin^{5}(\beta)\cos^{5}(\beta)\right)+e^{2i\gamma}\left(\cos^{6}(\beta)-2i\sin^{4}(\beta)\cos^{2}(\beta)-3i\sin^{5}(\beta)\cos(\beta)\right)+e^{2i\gamma}\left(\cos^{6}(\beta)-2i\sin^{4}(\beta)\cos^{2}(\beta)-3i\sin^{5}(\beta)\cos(\beta)\right)+e^{2i\gamma}\left(\cos^{6}(\beta)-2i\sin^{4}(\beta)\cos^{4}(\beta)-3i\sin^{5}(\beta)\cos(\beta)\right)+e^{2i\gamma}\left(\cos^{6}(\beta)-2i\sin^{4}(\beta)\cos^{4}(\beta)-3i\sin^{5}(\beta)\cos(\beta)\right)+e^{2i\gamma}\left(\cos^{6}(\beta)-2i\sin^{4}(\beta)\cos^{4}(\beta)-3i\sin^{5}(\beta)\cos(\beta)\right)+e^{2i\gamma}\left(\cos^{6}(\beta)-2i\sin^{4}(\beta)\cos^{4}(\beta)-3i\sin^{5}(\beta)\cos(\beta)\right)+e^{2i\gamma}\left(\cos^{6}(\beta)-2i\sin^{4}(\beta)\cos(\beta)-2i\sin^{4}(\beta)\cos(\beta)\right)+e^{2i\gamma}\left(\cos^{6}(\beta)-2i\sin^{4}(\beta)\cos(\beta)-2i\sin^{4}(\beta)\cos(\beta)\right)+e^{2i\gamma}\left(\cos^{6}(\beta)-2i\sin^{4}(\beta)\cos(\beta)\right)+e^{2i\gamma}\left(\cos^{6}(\beta)-2i\sin^{4}(\beta)\cos(\beta)\right)+e^{2i\gamma}\left(\cos^{6}(\beta)-2i\sin^{4}(\beta)\cos(\beta)\right)+e^{2i\gamma}\left(\cos^{6}(\beta)-2i\sin^{4}(\beta)\cos(\beta)\right)+e^{2i\gamma}\left(\cos^{6}(\beta)-2i\sin^{4}(\beta)\cos(\beta)\right)+e^{2i\gamma}\left(\cos^{6}(\beta)-2i\sin^{4}(\beta)\cos(\beta)\right)+e^{2i\gamma}\left(\cos^{6}(\beta)-2i\sin^{4}(\beta)\cos(\beta)\right)+e^{2i\gamma}\left(\cos^{6}(\beta)-2i\sin^{4}(\beta)\cos(\beta)\right)+e^{2i\gamma}\left(\cos^{6}(\beta)-2i\sin^{4}(\beta)\cos(\beta)\right)+e^{2i\gamma}\left(\cos^{6}(\beta)-2i\sin^{4}(\beta)\cos(\beta)\right)+e^{2i\gamma}\left(\cos^{6}(\beta)-2i\sin^{4}(\beta)\cos(\beta)\right)+e^{2i\gamma}\left(\cos^{6}(\beta)-2i\sin^{4}(\beta)\cos(\beta)\right)+e^{2i\gamma}\left(\cos^{6}(\beta)-2i\sin^{4}(\beta)\cos(\beta)\right)+e^{2i\gamma}\left(\cos^{6}(\beta)-2i\sin^{4}(\beta)\cos(\beta)\right)+e^{2i\gamma}\left(\cos^{6}(\beta)-2i\sin^{4}(\beta)\cos(\beta)\right)+e^{2i\gamma}\left(\cos^{6}(\beta)-2i\sin^{4}(\beta)\cos(\beta)\right)+e^{2i\gamma}\left(\cos^{6}(\beta)-2i\sin^{4}(\beta)\cos(\beta)\right)+e^{2i\gamma}\left(\cos^{6}(\beta)-2i\sin^{4}(\beta)\cos(\beta)\right)+e^{2i\gamma}\left(\cos^{6}(\beta)-2i\sin^{4}(\beta)\cos(\beta)\right)+e^{2i\gamma}\left(\cos^{6}(\beta)-2i\sin^{4}(\beta)\cos(\beta)\right)+e^{2i\gamma}\left(\cos^{6}(\beta)-2i\sin^{4}(\beta)\cos(\beta)\right)+e^{2i\gamma}\left(\cos^{6}(\beta)-2i\sin^{6}(\beta)\cos(\beta)\right)+e^{2i\gamma}\left(\cos^{6}(\beta)-2i\sin^{6}(\beta)\cos(\beta)\right)+e^{2i\gamma}\left(\cos^{6}(\beta)-2i\sin^{6}(\beta)\cos(\beta)\right)+e^{2i\gamma}\left(\cos^{6}(\beta)-2i\sin^{6}(\beta)\cos(\beta)\right)+e^{2i\gamma}\left(\cos^{6}(\beta)-2i\sin^{6}(\beta)\cos(\beta)\right)+e^{2i\gamma}\left(\cos^{6}(\beta)-2i\sin^{6}(\beta)\cos(\beta)\right)+e^{2i\gamma}\left(\cos^{6}(\beta)-2i\sin^{6}(\beta)\cos(\beta)\right)+e^{2i\beta}\left(\cos^{6}(\beta)-2i\sin^{6}(\beta)\cos(\beta)\right)+e^{2i\beta}\left(\cos^{6}(\beta)-2i\sin^{6}(\beta)\cos(\beta)\right)+e^{2i\beta}\left(\cos^{6}(\beta)-2i\sin^{6}(\beta)\cos(\beta)\right)+e^{2i\beta}\left(\cos^{6}(\beta)-2i\sin^{6}(\beta)\cos(\beta)\right)+e^{2i\beta}\left(\cos^{6}(\beta)-2i\sin^{6}(\beta)\cos(\beta)\right)+e^{2i\beta}\left(\cos^{6}(\beta)-2i\sin^{6}(\beta)\cos(\beta)\right)+e^{2i\beta}\left(\cos^{6}(\beta)-2i\sin^{6}(\beta)\cos(\beta)\right)+e^{2i\beta}\left(\cos^{6}(\beta)-2i\sin^{6}(\beta)\cos(\beta)\right)+e^{2i\beta}\left(\cos^{6}(\beta)-2i\sin^{6}(\beta)\cos(\beta)\right)+e^{2i\beta}\left(\cos^{6}(\beta)-2i\sin^{6}(\beta)\right)+e^{2i\beta}\left(\cos^{6}(\beta)-2i\sin^{6}(\beta)\right)+e^{2i\beta}\left(\cos^{6}(\beta)-2i\sin^{6}(\beta)\right)+e^{2i\beta}\left(\cos^{6}(\beta)-2i\sin^{6}(\beta)\right)+e^{2i\beta}\left(\cos^{6}(\beta)-2i\sin^{6}(\beta)\right)+e^{2i\beta}\left(\cos^{
+e^{-2i\gamma}\left(6\cos^{2}(\beta)\sin^{4}(\beta)-6\cos^{4}(\beta)\sin^{2}(\beta)\right)\left(2ie^{6i\gamma}\cos^{3}(\beta)\sin^{3}(\beta)+e^{-6i\gamma}\left(\cos^{2}(\beta)\sin^{4}(\beta)-\cos^{4}(\beta)\sin^{2}(\beta)\right)+e^{-6i\gamma}\cos^{4}(\beta)\sin^{4}(\beta)-\cos^{4}(\beta)\sin^{2}(\beta)\right)
+e^{2i\gamma}\left(-2i\sin(\beta)\cos^{5}(\beta)-9\sin^{2}(\beta)\cos^{4}(\beta)+8i\sin^{3}(\beta)\cos^{3}(\beta)+9\sin^{4}(\beta)\cos^{2}(\beta)-2i\sin^{5}(\beta)\cos(\beta)\right)+e^{-2i\gamma}\left(\cos^{6}(\beta)-4i\sin^{3}(\beta)\cos^{2}(\beta)-2i\sin^{5}(\beta)\cos(\beta)\right)
+e^{2i\gamma}\left(-2i\sin(\beta)\cos^{5}(\beta)+8i\sin^{3}(\beta)\cos^{3}(\beta)-2i\sin^{5}(\beta)\cos(\beta)\right)\left(2ie^{-6i\gamma}\cos^{3}(\beta)\sin^{3}(\beta)+e^{6i\gamma}\left(\cos^{2}(\beta)\sin^{4}(\beta)-\cos^{4}(\beta)\sin^{3}(\beta)+e^{6i\gamma}\cos^{3}(\beta)\sin^{4}(\beta)-\cos^{4}(\beta)\sin^{4}(\beta)\cos^{3}(\beta)\right)
+e^{-2i\gamma}\left(-2i\sin(\beta)\cos^{5}(\beta)-9\sin^{2}(\beta)\cos^{4}(\beta)+8i\sin^{3}(\beta)\cos^{3}(\beta)+9\sin^{4}(\beta)\cos^{2}(\beta)-2i\sin^{5}(\beta)\cos(\beta)\right)+e^{2i\gamma}\left(\cos^{6}(\beta)-4i\sin^{3}(\beta)\cos^{3}(\beta)+9\sin^{4}(\beta)\cos^{2}(\beta)-2i\sin^{5}(\beta)\cos(\beta)\right)
+e^{-2i\gamma}\left(-i\sin(\beta)\cos^5(\beta)+4i\sin^3(\beta)\cos^3(\beta)-i\sin^5(\beta)\cos(\beta)\right)\left(2ie^{-6i\gamma}\cos^3(\beta)\sin^3(\beta)+e^{6i\gamma}\left(\cos^2(\beta)\sin^4(\beta)-\cos^4(\beta)\sin^2(\beta)\cos(\beta)\right)\right)
+e^{2i\gamma}\left(-2i\sin(\beta)\cos^{5}(\beta)-6\sin^{2}(\beta)\cos^{4}(\beta)+14i\sin^{3}(\beta)\cos^{3}(\beta)+6\sin^{4}(\beta)\cos^{2}(\beta)-2i\sin^{5}(\beta)\cos(\beta)\right)+e^{-2i\gamma}\left(\cos^{6}(\beta)-4i\sin^{2}(\beta)\cos^{2}(\beta)-6\sin^{2}(\beta)\cos^{4}(\beta)+14i\sin^{3}(\beta)\cos^{3}(\beta)+6\sin^{4}(\beta)\cos^{2}(\beta)-2i\sin^{5}(\beta)\cos(\beta)\right)+e^{-2i\gamma}\left(\cos^{6}(\beta)-4i\sin^{2}(\beta)\cos^{2}(\beta)-2i\sin^{5}(\beta)\cos(\beta)\right)+e^{-2i\gamma}\left(\cos^{6}(\beta)-4i\sin^{4}(\beta)\cos^{2}(\beta)-2i\sin^{5}(\beta)\cos(\beta)\right)+e^{-2i\gamma}\left(\cos^{6}(\beta)-4i\sin^{4}(\beta)\cos^{2}(\beta)-2i\sin^{5}(\beta)\cos(\beta)\right)+e^{-2i\gamma}\left(\cos^{6}(\beta)-4i\sin^{4}(\beta)\cos^{2}(\beta)-2i\sin^{5}(\beta)\cos(\beta)\right)+e^{-2i\gamma}\left(\cos^{6}(\beta)-4i\sin^{4}(\beta)\cos^{2}(\beta)-2i\sin^{5}(\beta)\cos(\beta)\right)+e^{-2i\gamma}\left(\cos^{6}(\beta)-4i\sin^{4}(\beta)\cos^{4}(\beta)-2i\sin^{4}(\beta)\cos(\beta)\right)+e^{-2i\gamma}\left(\cos^{6}(\beta)-4i\sin^{4}(\beta)\cos^{4}(\beta)-2i\sin^{4}(\beta)\cos(\beta)\right)+e^{-2i\gamma}\left(\cos^{6}(\beta)-4i\sin^{4}(\beta)\cos^{4}(\beta)-2i\sin^{4}(\beta)\cos(\beta)\right)+e^{-2i\gamma}\left(\cos^{6}(\beta)-4i\sin^{4}(\beta)\cos^{4}(\beta)-2i\sin^{4}(\beta)\cos(\beta)\right)+e^{-2i\gamma}\left(\cos^{6}(\beta)-4i\sin^{4}(\beta)\cos(\beta)-2i\sin^{4}(\beta)\cos(\beta)\right)+e^{-2i\gamma}\left(\cos^{6}(\beta)-4i\sin^{4}(\beta)\cos(\beta)-2i\sin^{4}(\beta)\cos(\beta)\right)+e^{-2i\gamma}\left(\cos^{6}(\beta)-4i\sin^{4}(\beta)\cos(\beta)-2i\sin^{4}(\beta)\cos(\beta)\right)+e^{-2i\gamma}\left(\cos^{6}(\beta)-4i\sin^{4}(\beta)\cos(\beta)-2i\sin^{4}(\beta)\cos(\beta)\right)+e^{-2i\gamma}\left(\cos^{6}(\beta)-2i\sin^{4}(\beta)\cos(\beta)\right)+e^{-2i\gamma}\left(\cos^{6}(\beta)-2i\sin^{4}(\beta)\cos(\beta)\right)+e^{-2i\gamma}\left(\cos^{6}(\beta)-2i\sin^{4}(\beta)\cos(\beta)\right)+e^{-2i\gamma}\left(\cos^{6}(\beta)-2i\sin^{4}(\beta)\cos(\beta)\right)+e^{-2i\gamma}\left(\cos^{6}(\beta)-2i\sin^{4}(\beta)\cos(\beta)\right)+e^{-2i\gamma}\left(\cos^{6}(\beta)-2i\sin^{4}(\beta)\cos(\beta)\right)+e^{-2i\gamma}\left(\cos^{6}(\beta)-2i\sin^{4}(\beta)\cos(\beta)\right)+e^{-2i\gamma}\left(\cos^{6}(\beta)-2i\sin^{4}(\beta)\cos(\beta)\right)+e^{-2i\gamma}\left(\cos^{6}(\beta)-2i\sin^{4}(\beta)\cos(\beta)\right)+e^{-2i\gamma}\left(\cos^{6}(\beta)-2i\sin^{4}(\beta)\cos(\beta)\right)+e^{-2i\gamma}\left(\cos^{6}(\beta)-2i\sin^{4}(\beta)\cos(\beta)\right)+e^{-2i\gamma}\left(\cos^{6}(\beta)-2i\sin^{4}(\beta)\cos(\beta)\right)+e^{-2i\gamma}\left(\cos^{6}(\beta)-2i\sin^{4}(\beta)\cos(\beta)\right)+e^{-2i\gamma}\left(\cos^{6}(\beta)-2i\sin^{4}(\beta)\cos(\beta)\right)+e^{-2i\gamma}\left(\cos^{6}(\beta)-2i\sin^{4}(\beta)\cos(\beta)\right)+e^{-2i\gamma}\left(\cos^{6}(\beta)-2i\sin^{6}(\beta)\cos(\beta)\right)+e^{-2i\gamma}\left(\cos^{6}(\beta)-2i\sin^{6}(\beta)\cos(\beta)\right)+e^{-2i\gamma}\left(\cos^{6}(\beta)-2i\sin^{6}(\beta)\cos(\beta)\right)+e^{-2i\gamma}\left(\cos^{6}(\beta)-2i\sin^{6}(\beta)\cos(\beta)\right)+e^{-2i\gamma}\left(\cos^{6}(\beta)-2i\sin^{6}(\beta)\cos(\beta)\right)+e^{-2i\gamma}\left(\cos^{6}(\beta)-2i\sin^{6}(\beta)\cos(\beta)\right)+e^{-2i\beta}\left(\cos^{6}(\beta)-2i\sin^{6}(\beta)\cos(\beta)\right)+e^{-2i\beta}\left(\cos^{6}(\beta)-2i\sin^{6}(\beta)\cos(\beta)\right)+e^{-2i\beta}\left(\cos^{6}(\beta)-2i\sin^{6}(\beta)\cos(\beta)\right)+e^{-2i\beta}\left(\cos^{6}(\beta)-2i\sin^{6}(\beta)\cos(\beta)\right)+e^{-2i\beta}\left(\cos^{6}(\beta)-2i\sin^{6}(\beta)\right)+e^{-2i\beta}\left(\cos^{6}(\beta)-2i\sin^{6}(\beta)\right)+e^{-2i\beta}\left(\cos^{6}(\beta)-2i\sin^{6}(\beta)\right)+e^{-2i\beta}\left(\cos^{6}(\beta)-2i\sin^{6}(\beta)\right)+e^{-2i\beta}\left(\cos^{6}(\beta)-2i\sin^{6}(\beta)\right)+e^{-2i\beta}\left(\cos^{6}(\beta)-2i\sin^{6}(\beta)\right)+e^{-2i\beta}\left(\cos^{6}(\beta)-2i\sin^{6}(\beta)\right)+e^{-2i\beta}\left(\cos
+e^{2i\gamma} \left(3\cos^2(\beta)\sin^4(\beta)-3\cos^4(\beta)\sin^2(\beta)\right) \left(2ie^{6i\gamma}\cos^3(\beta)\sin^3(\beta)+e^{-6i\gamma}\left(\cos^2(\beta)\sin^4(\beta)-\cos^4(\beta)\sin^2(\beta)\right)+e^{-2i\gamma}\left(-2i\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\right)\right)
+e^{2i\gamma}\left(\cos^6(\beta)-4i\sin(\beta)\cos^5(\beta)-8\sin^2(\beta)\cos^4(\beta)+4i\sin^3(\beta)\cos^3(\beta)+8\sin^4(\beta)\cos^2(\beta)-4i\sin^5(\beta)\cos(\beta)-\sin^6(\beta)\right)\right)\left(e^{2i\gamma}\left(\cos^6(\beta)-4i\sin(\beta)\cos^5(\beta)-8\sin^2(\beta)\cos^4(\beta)+4i\sin^3(\beta)\cos^3(\beta)+8\sin^4(\beta)\cos^2(\beta)-4i\sin^5(\beta)\cos(\beta)-\sin^6(\beta)\right)\right)\right)
+ i \sin^5(\beta) \cos(\beta) \big) \left( -2i e^{6i\gamma} \cos^3(\beta) \sin^3(\beta) + e^{2i\gamma} \left( -9 \sin^2(\beta) \cos^4(\beta) - 12i \sin^3(\beta) \cos^3(\beta) + 9 \sin^4(\beta) \cos^2(\beta) \right) + e^{-2i\gamma} \left( 6i \sin^2(\beta) \cos^2(\beta) + \frac{1}{2} \sin^2(\beta) \cos^2(\beta) \right) \right) + e^{-2i\gamma} \left( -9 \sin^2(\beta) \cos^2(\beta) - 12i \sin^3(\beta) \cos^3(\beta) + \frac{1}{2} \sin^2(\beta) \cos^2(\beta) \right) + e^{-2i\gamma} \left( -9 \sin^2(\beta) \cos^2(\beta) - 12i \sin^3(\beta) \cos^3(\beta) + \frac{1}{2} \sin^2(\beta) \cos^2(\beta) \right) + e^{-2i\gamma} \left( -9 \sin^2(\beta) \cos^2(\beta) \cos^2(
+e^{-6i\gamma}\left(\cos^{6}(\beta)-\sin^{6}(\beta)\right)+e^{6i\gamma}\left(\cos^{2}(\beta)\sin^{4}(\beta)-\cos^{4}(\beta)\sin^{2}(\beta)\right)\left(-2ie^{-6i\gamma}\cos^{3}(\beta)\sin^{3}(\beta)+e^{-2i\gamma}\left(-9\sin^{2}(\beta)\cos^{4}(\beta)-\sin^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\right)\right)
+e^{2i\gamma} \left(6 i \sin (\beta ) \cos ^5(\beta )-6 \sin ^2(\beta ) \cos ^4(\beta )-6 i \sin ^3(\beta ) \cos ^3(\beta )+6 \sin ^4(\beta ) \cos ^2(\beta )+6 i \sin ^5(\beta ) \cos (\beta )\right)+e^{6 i\gamma} \left(\cos ^6(\beta )-\sin ^6(\beta ) \cos ^4(\beta )-6 i \sin ^4(\beta ^4(\beta 
+e^{-2i\gamma}\left(\cos^{6}(\beta)-5\sin^{2}(\beta)\cos^{4}(\beta)+5\sin^{4}(\beta)\cos^{2}(\beta)-\sin^{6}(\beta)\right)\left(e^{6i\gamma}\left(\cos^{2}(\beta)\sin^{4}(\beta)-\cos^{4}(\beta)\sin^{2}(\beta)\right)+e^{-6i\gamma}\left(i\sin(\beta)\cos^{2}(\beta)-\sin^{4}(\beta)\cos^{2}(\beta)\sin^{4}(\beta)\cos^{2}(\beta)\right)\right)
+e^{2i\gamma}(3i\sin(\beta)\cos^5(\beta)-6\sin^2(\beta)\cos^4(\beta)-12i\sin^3(\beta)\cos^3(\beta)+6\sin^4(\beta)\cos^2(\beta)+3i\sin^5(\beta)\cos(\beta))+e^{-2i\gamma}(\cos^6(\beta)+2i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^
+e^{2i\gamma}\left(2i\sin(\beta)\cos^5(\beta)-8i\sin^3(\beta)\cos^3(\beta)+2i\sin^5(\beta)\cos(\beta)\right)\left(e^{-6i\gamma}\left(\cos^2(\beta)\sin^4(\beta)-\cos^4(\beta)\sin^2(\beta)\right)+e^{6i\gamma}\left(i\sin(\beta)\cos^5(\beta)-8i\sin^3(\beta)\cos^3(\beta)+2i\sin^5(\beta)\cos(\beta)\right)\right)
+e^{-2i\gamma}(3i\sin(\beta)\cos^5(\beta)-6\sin^2(\beta)\cos^4(\beta)-12i\sin^3(\beta)\cos^3(\beta)+6\sin^4(\beta)\cos^2(\beta)+3i\sin^5(\beta)\cos(\beta))+e^{2i\gamma}(\cos^6(\beta)+2i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)\sin^2(\beta)\cos^2(\beta)\sin^2(\beta)\cos^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^
+e^{-2i\gamma}\left(2i\sin(\beta)\cos^{5}(\beta)-8i\sin^{3}(\beta)\cos^{3}(\beta)+2i\sin^{5}(\beta)\cos(\beta)\right)\left(-2ie^{6i\gamma}\cos^{3}(\beta)\sin^{3}(\beta)+e^{-6i\gamma}\left(\cos^{2}(\beta)\sin^{4}(\beta)-\cos^{4}(\beta)\sin^{3}(\beta)+e^{-6i\gamma}\cos^{3}(\beta)\sin^{4}(\beta)+e^{-6i\gamma}\cos^{4}(\beta)\sin^{4}(\beta)+e^{-6i\gamma}\cos^{4}(\beta)\sin^{4}(\beta)+e^{-6i\gamma}\cos^{4}(\beta)\sin^{4}(\beta)+e^{-6i\gamma}\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^
+e^{2i\gamma}\left(2i\sin(\beta)\cos^{5}(\beta)-9\sin^{2}(\beta)\cos^{4}(\beta)-8i\sin^{3}(\beta)\cos^{3}(\beta)+9\sin^{4}(\beta)\cos^{2}(\beta)+2i\sin^{5}(\beta)\cos(\beta)\right)+e^{-2i\gamma}\left(\cos^{6}(\beta)+4i\sin^{3}(\beta)\cos^{3}(\beta)+9\sin^{4}(\beta)\cos^{2}(\beta)+2i\sin^{5}(\beta)\cos(\beta)\right)
+e^{2i\gamma} \left(6\cos^2(\beta)\sin^4(\beta) - 6\cos^4(\beta)\sin^2(\beta)\right) \left(-2ie^{-6i\gamma}\cos^3(\beta)\sin^3(\beta) + e^{6i\gamma}\left(\cos^2(\beta)\sin^4(\beta) - \cos^4(\beta)\sin^2(\beta)\right)\right)
+e^{-2i\gamma}\left(2i\sin(\beta)\cos^{5}(\beta)-9\sin^{2}(\beta)\cos^{4}(\beta)-8i\sin^{3}(\beta)\cos^{3}(\beta)+9\sin^{4}(\beta)\cos^{2}(\beta)+2i\sin^{5}(\beta)\cos(\beta)\right)+e^{2i\gamma}\left(\cos^{6}(\beta)+4i\sin^{3}(\beta)\cos^{3}(\beta)+9\sin^{4}(\beta)\cos^{2}(\beta)+2i\sin^{5}(\beta)\cos(\beta)\right)+e^{2i\gamma}\left(\cos^{6}(\beta)+4i\sin^{3}(\beta)\cos^{3}(\beta)+9\sin^{4}(\beta)\cos^{2}(\beta)+2i\sin^{5}(\beta)\cos(\beta)\right)+e^{2i\gamma}\left(\cos^{6}(\beta)+4i\sin^{3}(\beta)\cos^{3}(\beta)+9\sin^{4}(\beta)\cos^{2}(\beta)+2i\sin^{5}(\beta)\cos(\beta)\right)+e^{2i\gamma}\left(\cos^{6}(\beta)+4i\sin^{4}(\beta)\cos^{2}(\beta)+2i\sin^{5}(\beta)\cos(\beta)\right)+e^{2i\gamma}\left(\cos^{6}(\beta)+4i\sin^{4}(\beta)\cos^{4}(\beta)\cos(\beta)+2i\sin^{4}(\beta)\cos(\beta)\right)+e^{2i\gamma}\left(\cos^{6}(\beta)+4i\sin^{4}(\beta)\cos^{4}(\beta)\cos(\beta)+2i\sin^{4}(\beta)\cos(\beta)\right)+e^{2i\gamma}\left(\cos^{6}(\beta)+4i\sin^{4}(\beta)\cos(\beta)\cos(\beta)+2i\sin^{4}(\beta)\cos(\beta)\right)+e^{2i\gamma}\left(\cos^{6}(\beta)+2i\sin^{4}(\beta)\cos(\beta)+2i\sin^{4}(\beta)\cos(\beta)+2i\sin^{4}(\beta)\cos(\beta)\right)+e^{2i\gamma}\left(\cos^{6}(\beta)+2i\sin^{4}(\beta)\cos(\beta)+2i\sin^{4}(\beta)\cos(\beta)+2i\sin^{4}(\beta)\cos(\beta)\right)+e^{2i\gamma}\left(\cos^{6}(\beta)+2i\sin^{4}(\beta)\cos(\beta)+2i\sin^{4}(\beta)\cos(\beta)+2i\sin^{4}(\beta)\cos(\beta)+2i\sin^{4}(\beta)\cos(\beta)+2i\sin^{4}(\beta)\cos(\beta)+2i\sin^{4}(\beta)\cos(\beta)+2i\sin^{4}(\beta)\cos(\beta)+2i\sin^{4}(\beta)\cos(\beta)+2i\sin^{4}(\beta)\cos(\beta)+2i\sin^{4}(\beta)\cos(\beta)+2i\sin^{4}(\beta)\cos(\beta)+2i\sin^{4}(\beta)\cos(\beta)+2i\sin^{4}(\beta)\cos(\beta)+2i\sin^{4}(\beta)\cos(\beta)+2i\sin^{4}(\beta)\cos(\beta)+2i\sin^{4}(\beta)\cos(\beta)+2i\sin^{4}(\beta)\cos(\beta)+2i\sin^{4}(\beta)\cos(\beta)+2i\sin^{4}(\beta)\cos(\beta)+2i\sin^{4}(\beta)\cos(\beta)+2i\sin^{4}(\beta)\cos(\beta)+2i\sin^{4}(\beta)\cos(\beta)+2i\sin^{4}(\beta)\cos(\beta)+2i\sin^{4}(\beta)\cos(\beta)+2i\sin^{4}(\beta)\cos(\beta)+2i\sin^{4}(\beta)\cos(\beta)+2i\sin^{4}(\beta)\cos(\beta)+2i\sin^{4}(\beta)\cos(\beta)+2i\sin^{4}(\beta)\cos(\beta)+2i\sin^{4}(\beta)\cos(\beta)+2i\sin^{4}(\beta)\cos(\beta)+2i\sin^{4}(\beta)\cos(\beta)+2i\sin^{4}(\beta)\cos(\beta)+2i\sin^{4}(\beta)\cos(\beta)+2i\sin^{4}(\beta)\cos(\beta)+2i\sin^{4}(\beta)\cos(\beta)+2i\sin^{4}(\beta)\cos(\beta)+2i\sin^{4}(\beta)\cos(\beta)+2i\sin^{4}(\beta)\cos(\beta)+2i\sin^{4}(\beta)\cos(\beta)+2i\sin^{4}(\beta)\cos(\beta)+2i\sin^{4}(\beta)\cos(\beta)+2i\sin^{4}(\beta)\cos(\beta)+2i\sin^{4}(\beta)\cos(\beta)+2i\sin^{4}(\beta)\cos(\beta)+2i\sin^{4}(\beta)\cos(\beta)+2i\sin^{4}(\beta)\cos(\beta)+2i\sin^{4}(\beta)\cos(\beta)+2i\sin^{4}(\beta)\cos(\beta)+2i\sin^{4}(\beta)\cos(\beta)+2i\sin^{4}(\beta)\cos(\beta)+2i\sin^{4}(\beta)\cos(\beta)+2i\sin^{4}(\beta)\cos(\beta)+2i\sin^{4}(\beta)\cos(\beta)+2i\sin^{4}(\beta)\cos(\beta)+2i\sin^{4}(\beta)\cos(\beta)+2i\sin^{4}(\beta)\cos(\beta)+2i\sin^{4}(\beta)\cos(\beta)+2i\sin^{4}(\beta)\cos(\beta)+2i\sin^{4}(\beta)\cos(\beta)+2i\sin^{4}(\beta)\cos(\beta)+2i\sin^{4}(\beta)\cos(\beta)+2i\sin^{4}(\beta)\cos(\beta)+2i\sin^{4}(\beta)\cos(\beta)+2i\sin^{4}(\beta)\cos(\beta)+2i\sin^{4}(\beta)\cos(\beta)+2i\sin^{4}(\beta)\cos(\beta)+2i\sin^{4}(\beta)\cos(\beta)+2i\sin^{4}(\beta)\cos(\beta)+2i\sin^{4}(\beta)\cos(\beta)+2i\sin^{4}(\beta)\cos(\beta)+2i\sin^{4}(\beta)\cos(\beta)+2i\sin^{4}(\beta)\cos(\beta)+2i\sin^{4}(\beta)\cos(\beta)+2i\sin^{4}(\beta)\cos(\beta)+2i\sin^{4}(\beta)\cos(\beta)+2i\sin^{4}(\beta)\cos(\beta)+2i\sin^{4}(\beta)\cos(\beta)+2i\sin^{4}(\beta)\cos(\beta)+2i\sin^{4}(\beta)\cos(\beta)+2i\sin^{4}(\beta)\cos(\beta)+2i\sin^{4}(\beta)\cos(\beta)+2i\sin^{4}(\beta)\cos(\beta)+2i\sin^{4}(\beta)\cos(\beta)+2i\sin^{4}(\beta)\cos(\beta)+2i\sin^{4}(\beta)\cos(\beta)+2i^{2}(\beta)\cos(\beta)+2i^{2}(\beta)\cos(\beta)+2i^{2}(\beta)+2i^{2}(\beta)+2i^{2}(\beta)+2i^{2}(\beta)+
+e^{-2i\gamma} \left(3\cos^2(\beta)\sin^4(\beta)-3\cos^4(\beta)\sin^2(\beta)\right) \left(-2ie^{-6i\gamma}\cos^3(\beta)\sin^3(\beta)+e^{6i\gamma}\left(\cos^2(\beta)\sin^4(\beta)-\cos^4(\beta)\sin^2(\beta)\right)\right)
+e^{2i\gamma}(2i\sin(\beta)\cos^{5}(\beta)-6\sin^{2}(\beta)\cos^{4}(\beta)-14i\sin^{3}(\beta)\cos^{3}(\beta)+6\sin^{4}(\beta)\cos^{2}(\beta)+2i\sin^{5}(\beta)\cos(\beta))+e^{-2i\gamma}(\cos^{6}(\beta)+4i\sin^{3}(\beta)\cos^{3}(\beta)+6\sin^{4}(\beta)\cos^{2}(\beta)+2i\sin^{5}(\beta)\cos(\beta))+e^{-2i\gamma}(\cos^{6}(\beta)+4i\sin^{3}(\beta)\cos^{3}(\beta)+6\sin^{4}(\beta)\cos^{2}(\beta)+2i\sin^{5}(\beta)\cos(\beta))+e^{-2i\gamma}(\cos^{6}(\beta)+4i\sin^{3}(\beta)\cos^{3}(\beta)+6\sin^{4}(\beta)\cos^{2}(\beta)+2i\sin^{5}(\beta)\cos(\beta))+e^{-2i\gamma}(\cos^{6}(\beta)+4i\sin^{3}(\beta)\cos^{3}(\beta)+6\sin^{4}(\beta)\cos^{3}(\beta)+6\sin^{4}(\beta)\cos^{3}(\beta)+6\sin^{4}(\beta)\cos^{3}(\beta)+6\sin^{4}(\beta)\cos^{3}(\beta)+6\sin^{4}(\beta)\cos^{3}(\beta)+6\sin^{4}(\beta)\cos^{3}(\beta)+6\sin^{4}(\beta)\cos^{3}(\beta)+6\sin^{4}(\beta)\cos^{3}(\beta)+6\sin^{4}(\beta)\cos^{3}(\beta)+6\sin^{4}(\beta)\cos^{3}(\beta)+6\sin^{4}(\beta)\cos^{3}(\beta)+6\sin^{4}(\beta)\cos^{3}(\beta)+6\sin^{4}(\beta)\cos^{3}(\beta)+6\sin^{4}(\beta)\cos^{3}(\beta)+6\sin^{4}(\beta)\cos^{3}(\beta)+6\sin^{4}(\beta)\cos^{3}(\beta)+6\sin^{4}(\beta)\cos^{3}(\beta)+6\sin^{4}(\beta)\cos^{3}(\beta)+6\sin^{4}(\beta)\cos^{3}(\beta)+6\sin^{4}(\beta)\cos^{3}(\beta)+6\sin^{4}(\beta)\cos^{3}(\beta)+6\sin^{4}(\beta)\cos^{3}(\beta)+6\sin^{4}(\beta)\cos^{3}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)+6\sin^{4}(\beta)+6\sin^{4}(\beta)+6\sin^{4}(\beta)+6\sin^{4}(\beta)+6\sin^{4}(\beta)+6\sin^{4}(\beta)+6\sin^{4}(\beta)+6\sin^{4}(\beta)+6\sin^{4}(\beta)+6\sin^{4}(\beta)+6\sin^{4}(\beta)+6\sin^{4}(\beta)+6\sin^{4}(\beta)+6\sin^{4}(\beta)+6\sin^{4}(\beta)+6\sin^{4}(\beta)+6\sin^{4}(\beta)+6\sin^{4}(\beta)+6\sin^{4}(\beta)+6\sin^{4}(\beta)+6\sin
+e^{2i\gamma}\left(i\sin(\beta)\cos^5(\beta)-4i\sin^3(\beta)\cos^3(\beta)+i\sin^5(\beta)\cos(\beta)\right)\left(-2ie^{6i\gamma}\cos^3(\beta)\sin^3(\beta)+e^{-6i\gamma}\left(\cos^2(\beta)\sin^4(\beta)-\cos^4(\beta)\sin^2(\beta)\cos^2(\beta)\right)\right)
+e^{-2i\gamma}(2i\sin(\beta)\cos^{5}(\beta)-6\sin^{2}(\beta)\cos^{4}(\beta)-14i\sin^{3}(\beta)\cos^{3}(\beta)+6\sin^{4}(\beta)\cos^{2}(\beta)+2i\sin^{5}(\beta)\cos(\beta))+e^{2i\gamma}(\cos^{6}(\beta)+4i\sin^{3}(\beta)\cos^{3}(\beta)+6\sin^{4}(\beta)\cos^{2}(\beta)+2i\sin^{5}(\beta)\cos(\beta))+e^{2i\gamma}(\cos^{6}(\beta)+4i\sin^{3}(\beta)\cos^{3}(\beta)+6\sin^{4}(\beta)\cos^{2}(\beta)+2i\sin^{5}(\beta)\cos(\beta))+e^{2i\gamma}(\cos^{6}(\beta)+4i\sin^{3}(\beta)\cos^{3}(\beta)+6\sin^{4}(\beta)\cos^{2}(\beta)+6\sin^{4}(\beta)\cos(\beta))+e^{2i\gamma}(\cos^{6}(\beta)+6i\sin^{4}(\beta)\cos^{2}(\beta)+6i\sin^{4}(\beta)\cos(\beta))+e^{2i\gamma}(\cos^{6}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos(\beta))+e^{2i\gamma}(\cos^{6}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos(\beta))+e^{2i\gamma}(\cos^{6}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos(\beta))+e^{2i\gamma}(\cos^{6}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos(\beta))+e^{2i\gamma}(\cos^{6}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos(\beta))+e^{2i\gamma}(\cos^{6}(\beta)+6i\sin^{4}(\beta)\cos(\beta)+6i\sin^{4}(\beta)\cos(\beta))+e^{2i\gamma}(\cos^{6}(\beta)+6i\sin^{4}(\beta)\cos(\beta)+6i\sin^{4}(\beta)\cos(\beta))+e^{2i\gamma}(\cos^{6}(\beta)+6i\sin^{4}(\beta)\cos(\beta)+6i\sin^{4}(\beta)\cos(\beta)+6i\sin^{4}(\beta)\cos(\beta)+6i\sin^{4}(\beta)\cos(\beta)+6i\sin^{4}(\beta)\cos(\beta)+6i\sin^{4}(\beta)\cos(\beta)+6i\sin^{4}(\beta)\cos(\beta)+6i\sin^{4}(\beta)\cos(\beta)+6i\sin^{4}(\beta)\cos(\beta)+6i\sin^{4}(\beta)\cos(\beta)+6i\sin^{4}(\beta)\cos(\beta)+6i\sin^{4}(\beta)\cos(\beta)+6i\sin^{4}(\beta)\cos(\beta)+6i\sin^{4}(\beta)\cos(\beta)+6i\sin^{4}(\beta)\cos(\beta)+6i\sin^{4}(\beta)\cos(\beta)+6i\sin^{4}(\beta)\cos(\beta)+6i\sin^{4}(\beta)\cos(\beta)+6i\sin^{4}(\beta)\cos(\beta)+6i\sin^{4}(\beta)\cos(\beta)+6i\sin^{4}(\beta)\cos(\beta)+6i\sin^{4}(\beta)\cos(\beta)+6i\sin^{4}(\beta)\cos(\beta)+6i\sin^{4}(\beta)\cos(\beta)+6i\sin^{4}(\beta)\cos(\beta)+6i\sin^{4}(\beta)\cos(\beta)+6i\sin^{4}(\beta)\cos(\beta)+6i\sin^{4}(\beta)\cos(\beta)+6i\sin^{4}(\beta)\cos(\beta)+6i\sin^{4}(\beta)\cos(\beta)+6i\sin^{4}(\beta)\cos(\beta)+6i\sin^{4}(\beta)\cos(\beta)+6i\sin^{4}(\beta)\cos(\beta)+6i\sin^{4}(\beta)\cos(\beta)+6i\sin^{4}(\beta)\cos(\beta)+6i\sin^{4}(\beta)\cos(\beta)+6i\sin^{4}(\beta)\cos(\beta)+6i\sin^{4}(\beta)\cos(\beta)+6i\sin^{4}(\beta)\cos(\beta)+6i\sin^{4}(\beta)\cos(\beta)+6i\sin^{4}(\beta)\cos(\beta)+6i\sin^{4}(\beta)\cos(\beta)+6i\sin^{4}(\beta)\cos(\beta)+6i\sin^{4}(\beta)\cos(\beta)+6i\sin^{4}(\beta)\cos(\beta)+6i\sin^{4}(\beta)\cos(\beta)+6i\sin^{4}(\beta)\cos(\beta)+6i\sin^{4}(\beta)\cos(\beta)+6i\sin^{4}(\beta)\cos(\beta)+6i\sin^{4}(\beta)\cos(\beta)+6i\sin^{4}(\beta)\cos(\beta)+6i\sin^{4}(\beta)\cos(\beta)+6i\sin^{4}(\beta)\cos(\beta)+6i\sin^{4}(\beta)\cos(\beta)+6i\sin^{4}(\beta)\cos(\beta)+6i\sin^{4}(\beta)\cos(\beta)+6i\sin^{4}(\beta)\cos(\beta)+6i\sin^{4}(\beta)\cos(\beta)+6i\sin^{4}(\beta)\cos(\beta)+6i\sin^{4}(\beta)\cos(\beta)+6i\sin^{4}(\beta)\cos(\beta)+6i\sin^{4}(\beta)\cos(\beta)+6i\sin^{4}(\beta)\cos(\beta)+6i\sin^{4}(\beta)\cos(\beta)+6i\sin^{4}(\beta)\cos(\beta)+6i\sin^{4}(\beta)\cos(\beta)+6i\sin^{4}(\beta)\cos(\beta)+6i\sin^{4}(\beta)\cos(\beta)+6i\sin^{4}(\beta)\cos(\beta)+6i\sin^{4}(\beta)\cos(\beta)+6i\sin^{4}(\beta)\cos(\beta)+6i\sin^{4}(\beta)\cos(\beta)+6i\sin^{4}(\beta)\cos(\beta)+6i\sin^{4}(\beta)\cos(\beta)+6i\sin^{4}(\beta)\cos(\beta)+6i\sin^{4}(\beta)\cos(\beta)+6i\sin^{4}(\beta)\cos(\beta)+6i\sin^{4}(\beta)\cos(\beta)+6i\sin^{4}(\beta)\cos(\beta)+6i\sin^{4}(\beta)\cos(\beta)+6i\sin^{4}(\beta)\cos(\beta)+6i\sin^{4}(\beta)\cos(\beta)+6i\sin^{4}(\beta)\cos(\beta)+6i\sin^{4}(\beta)\cos(\beta)+6i\sin^{4}(\beta)\cos(\beta)+6i\sin^{4}(\beta)+6i\sin^{4}(\beta)+6i\sin^{4}(\beta)+6i\sin^{
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(2ie^{-6i\gamma}\cos^{3}(\beta)(2ie^{6i\gamma}\cos^{3}(\beta)\sin^{3}(\beta) + e^{2i\gamma}(-9\sin^{2}(\beta)\cos^{4}(\beta) + 12i\sin^{3}(\beta)\cos^{3}(\beta) + 9\sin^{4}(\beta)\cos^{2}(\beta))
+e^{-2i\gamma}\left(-6i\sin(\beta)\cos^{5}(\beta)-6\sin^{2}(\beta)\cos^{4}(\beta)+6i\sin^{3}(\beta)\cos^{3}(\beta)+6\sin^{4}(\beta)\cos^{2}(\beta)-6i\sin^{5}(\beta)\cos(\beta)\right)
 +e^{-6i\gamma}\left(\cos^6(\beta)-\sin^6(\beta)\right)\sin^3(\beta)
+6ie^{2i\gamma}\cos^3(\beta)\left(2ie^{6i\gamma}\cos^3(\beta)\sin^3(\beta)+e^{-6i\gamma}\left(\cos^2(\beta)\sin^4(\beta)-\cos^4(\beta)\sin^2(\beta)\right)\right)
+e^{-2i\gamma}\left(-2i\sin(\beta)\cos^{5}(\beta)-6\sin^{2}(\beta)\cos^{4}(\beta)+14i\sin^{3}(\beta)\cos^{3}(\beta)+6\sin^{4}(\beta)\cos^{2}(\beta)-2i\sin^{5}(\beta)\cos(\beta)\right)
+e^{2i\gamma}\left(\cos^{6}(\beta)-4i\sin(\beta)\cos^{5}(\beta)-8\sin^{2}(\beta)\cos^{4}(\beta)+4i\sin^{3}(\beta)\cos^{3}(\beta)+8\sin^{4}(\beta)\cos^{2}(\beta)-4i\sin^{5}(\beta)\cos(\beta)-\sin^{6}(\beta)\right)\sin^{2}(\beta)\cos^{2}(\beta)
+e^{6i\gamma}\left(\cos^2(\beta)\sin^4(\beta)-\cos^4(\beta)\sin^2(\beta)\right)\left(2ie^{-6i\gamma}\cos^3(\beta)\sin^3(\beta)\right)
+e^{-2i\gamma}\left(-9\sin^2(\beta)\cos^4(\beta)+12i\sin^3(\beta)\cos^3(\beta)+9\sin^4(\beta)\cos^2(\beta)\right)
+e^{2i\gamma}\left(-6i\sin(\beta)\cos^{5}(\beta)-6\sin^{2}(\beta)\cos^{4}(\beta)+6i\sin^{3}(\beta)\cos^{3}(\beta)+6\sin^{4}(\beta)\cos^{2}(\beta)-6i\sin^{5}(\beta)\cos(\beta)\right)
+e^{6i\gamma}\left(\cos^6(\beta)-\sin^6(\beta)\right)+e^{-2i\gamma}\left(6\cos^2(\beta)\sin^4(\beta)\right)
 -6\cos^4(\beta)\sin^2(\beta))\left(e^{6i\gamma}\left(\cos^2(\beta)\sin^4(\beta)-\cos^4(\beta)\sin^2(\beta)\right)+e^{-6i\gamma}\left(-i\sin(\beta)\cos^5(\beta)-i\sin^5(\beta)\cos(\beta)\right)\right)
+e^{2i\gamma}\left(-3i\sin(\beta)\cos^{5}(\beta)-6\sin^{2}(\beta)\cos^{4}(\beta)+12i\sin^{3}(\beta)\cos^{3}(\beta)+6\sin^{4}(\beta)\cos^{2}(\beta)-3i\sin^{5}(\beta)\cos(\beta)\right)
+e^{-2i\gamma}\left(\cos^{6}(\beta)-2i\sin(\beta)\cos^{5}(\beta)-8\sin^{2}(\beta)\cos^{4}(\beta)+8i\sin^{3}(\beta)\cos^{3}(\beta)+8\sin^{4}(\beta)\cos^{2}(\beta)-2i\sin^{5}(\beta)\cos(\beta)-\sin^{6}(\beta)\right)
+e^{2i\gamma}\left(-2i\sin(\beta)\cos^5(\beta)+8i\sin^3(\beta)\cos^3(\beta)-2i\sin^5(\beta)\cos(\beta)\right)\left(e^{-6i\gamma}\left(\cos^2(\beta)\sin^4(\beta)-\cos^4(\beta)\sin^2(\beta)\right)+e^{6i\gamma}\left(-i\sin(\beta)\cos^5(\beta)+8i\sin^3(\beta)\cos^3(\beta)-2i\sin^5(\beta)\cos(\beta)\right)\right)
+e^{-2i\gamma}\left(-3i\sin(\beta)\cos^{5}(\beta)-6\sin^{2}(\beta)\cos^{4}(\beta)+12i\sin^{3}(\beta)\cos^{3}(\beta)+6\sin^{4}(\beta)\cos^{2}(\beta)-3i\sin^{5}(\beta)\cos(\beta)\right)+e^{2i\gamma}\left(\cos^{6}(\beta)-2i\sin^{4}(\beta)\cos^{2}(\beta)-3i\sin^{5}(\beta)\cos^{5}(\beta)\right)
+e^{-2i\gamma}\left(-4i\sin(\beta)\cos^{5}(\beta)+4i\sin^{3}(\beta)\cos^{3}(\beta)-4i\sin^{5}(\beta)\cos(\beta)\right)\left(2ie^{6i\gamma}\cos^{3}(\beta)\sin^{3}(\beta)+e^{-6i\gamma}\left(\cos^{2}(\beta)\sin^{4}(\beta)-\cos^{4}(\beta)\sin^{2}(\beta)\cos^{2}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta
+e^{2i\gamma}\left(-2i\sin(\beta)\cos^{5}(\beta)-9\sin^{2}(\beta)\cos^{4}(\beta)+8i\sin^{3}(\beta)\cos^{3}(\beta)+9\sin^{4}(\beta)\cos^{2}(\beta)-2i\sin^{5}(\beta)\cos(\beta)\right)+e^{-2i\gamma}\left(\cos^{6}(\beta)-4i\sin^{2}(\beta)\cos^{2}(\beta)-2i\sin^{5}(\beta)\cos(\beta)\right)
+e^{2i\gamma}\left(6\cos^{2}(\beta)\sin^{4}(\beta)-6\cos^{4}(\beta)\sin^{2}(\beta)\right)\left(2ie^{-6i\gamma}\cos^{3}(\beta)\sin^{3}(\beta)+e^{6i\gamma}\left(\cos^{2}(\beta)\sin^{4}(\beta)-\cos^{4}(\beta)\sin^{2}(\beta)\right)+e^{-2i\gamma}\left(-2i\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)-\cos^{4}(\beta)\sin^{4}(\beta)\right)
+e^{2i\gamma}\left(\cos^{6}(\beta)-4i\sin(\beta)\cos^{5}(\beta)-5\sin^{2}(\beta)\cos^{4}(\beta)+10i\sin^{3}(\beta)\cos^{3}(\beta)+5\sin^{4}(\beta)\cos^{2}(\beta)-4i\sin^{5}(\beta)\cos(\beta)-\sin^{6}(\beta)\right)
+e^{-2i\gamma}\left(\cos^{6}(\beta)-2\sin^{2}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{2}(\beta)-\sin^{6}(\beta)\right)\left(2ie^{-6i\gamma}\cos^{3}(\beta)\sin^{3}(\beta)+e^{6i\gamma}\left(\cos^{2}(\beta)\sin^{4}(\beta)-\cos^{4}(\beta)\sin^{4}(\beta)\cos^{2}(\beta)\sin^{4}(\beta)\right)\right)
+e^{2i\gamma}\left(-2i\sin(\beta)\cos^{5}(\beta)-6\sin^{2}(\beta)\cos^{4}(\beta)+14i\sin^{3}(\beta)\cos^{3}(\beta)+6\sin^{4}(\beta)\cos^{2}(\beta)-2i\sin^{5}(\beta)\cos(\beta)\right)+e^{-2i\gamma}\left(\cos^{6}(\beta)-4i\sin^{3}(\beta)\cos^{3}(\beta)+6\sin^{4}(\beta)\cos^{2}(\beta)-2i\sin^{5}(\beta)\cos(\beta)\right)+e^{-2i\gamma}\left(\cos^{6}(\beta)-4i\sin^{3}(\beta)\cos^{3}(\beta)+6\sin^{4}(\beta)\cos^{2}(\beta)-2i\sin^{5}(\beta)\cos(\beta)\right)+e^{-2i\gamma}\left(\cos^{6}(\beta)-4i\sin^{4}(\beta)\cos^{2}(\beta)-2i\sin^{5}(\beta)\cos(\beta)\right)+e^{-2i\gamma}\left(\cos^{6}(\beta)-4i\sin^{4}(\beta)\cos^{2}(\beta)-2i\sin^{5}(\beta)\cos(\beta)\right)+e^{-2i\gamma}\left(\cos^{6}(\beta)-4i\sin^{4}(\beta)\cos^{4}(\beta)-2i\sin^{4}(\beta)\cos(\beta)\right)+e^{-2i\gamma}\left(\cos^{6}(\beta)-4i\sin^{4}(\beta)\cos(\beta)-2i\sin^{4}(\beta)\cos(\beta)\right)+e^{-2i\gamma}\left(\cos^{6}(\beta)-4i\sin^{4}(\beta)\cos(\beta)-2i\sin^{4}(\beta)\cos(\beta)\right)+e^{-2i\gamma}\left(\cos^{6}(\beta)-4i\sin^{4}(\beta)\cos(\beta)-2i\sin^{4}(\beta)\cos(\beta)\right)+e^{-2i\gamma}\left(\cos^{6}(\beta)-4i\sin^{4}(\beta)\cos(\beta)-2i\sin^{4}(\beta)\cos(\beta)\right)+e^{-2i\gamma}\left(\cos^{6}(\beta)-4i\sin^{4}(\beta)\cos(\beta)-2i\sin^{4}(\beta)\cos(\beta)\right)+e^{-2i\gamma}\left(\cos^{6}(\beta)-4i\sin^{4}(\beta)\cos(\beta)-2i\sin^{4}(\beta)\cos(\beta)\right)+e^{-2i\gamma}\left(\cos^{6}(\beta)-4i\sin^{4}(\beta)\cos(\beta)-2i\sin^{4}(\beta)\cos(\beta)\right)+e^{-2i\gamma}\left(\cos^{6}(\beta)-4i\sin^{4}(\beta)\cos(\beta)-2i\sin^{4}(\beta)\cos(\beta)\right)+e^{-2i\gamma}\left(\cos^{6}(\beta)-4i\sin^{4}(\beta)\cos(\beta)-2i\sin^{4}(\beta)\cos(\beta)\right)+e^{-2i\gamma}\left(\cos^{6}(\beta)-4i\sin^{4}(\beta)\cos(\beta)-2i\sin^{4}(\beta)\cos(\beta)\right)+e^{-2i\gamma}\left(\cos^{6}(\beta)-2i\sin^{4}(\beta)\cos(\beta)\right)+e^{-2i\gamma}\left(\cos^{6}(\beta)-2i\sin^{4}(\beta)\cos(\beta)\right)+e^{-2i\gamma}\left(\cos^{6}(\beta)-2i\sin^{4}(\beta)\cos(\beta)\right)+e^{-2i\gamma}\left(\cos^{6}(\beta)-2i\sin^{4}(\beta)\cos(\beta)\right)+e^{-2i\gamma}\left(\cos^{6}(\beta)-2i\sin^{4}(\beta)\cos(\beta)\right)+e^{-2i\gamma}\left(\cos^{6}(\beta)-2i\sin^{4}(\beta)\cos(\beta)\right)+e^{-2i\gamma}\left(\cos^{6}(\beta)-2i\sin^{4}(\beta)\cos(\beta)\right)+e^{-2i\gamma}\left(\cos^{6}(\beta)-2i\sin^{4}(\beta)\cos(\beta)\right)+e^{-2i\gamma}\left(\cos^{6}(\beta)-2i\sin^{4}(\beta)\cos(\beta)\right)+e^{-2i\gamma}\left(\cos^{6}(\beta)-2i\sin^{4}(\beta)\cos(\beta)\right)+e^{-2i\gamma}\left(\cos^{6}(\beta)-2i\sin^{4}(\beta)\cos(\beta)\right)+e^{-2i\gamma}\left(\cos^{6}(\beta)-2i\sin^{6}(\beta)\cos(\beta)\right)+e^{-2i\gamma}\left(\cos^{6}(\beta)-2i\sin^{6}(\beta)\cos(\beta)\right)+e^{-2i\gamma}\left(\cos^{6}(\beta)-2i\sin^{6}(\beta)\cos(\beta)\right)+e^{-2i\gamma}\left(\cos^{6}(\beta)-2i\sin^{6}(\beta)\cos(\beta)\right)+e^{-2i\gamma}\left(\cos^{6}(\beta)-2i\sin^{6}(\beta)\cos(\beta)\right)+e^{-2i\gamma}\left(\cos^{6}(\beta)-2i\sin^{6}(\beta)\cos(\beta)\right)+e^{-2i\gamma}\left(\cos^{6}(\beta)-2i\sin^{6}(\beta)\cos(\beta)\right)+e^{-2i\beta}\left(\cos^{6}(\beta)-2i\sin^{6}(\beta)\cos(\beta)\right)+e^{-2i\beta}\left(\cos^{6}(\beta)-2i\sin^{6}(\beta)\cos(\beta)\right)+e^{-2i\beta}\left(\cos^{6}(\beta)-2i\sin^{6}(\beta)\cos(\beta)\right)+e^{-2i\beta}\left(\cos^{6}(\beta)-2i\sin^{6}(\beta)\cos(\beta)\right)+e^{-2i\beta}\left(\cos^{6}(\beta)-2i\sin^{6}(\beta)\cos(\beta)\right)+e^{-2i\beta}\left(\cos^{6}(\beta)-2i\sin^{6}(\beta)\cos(\beta)\right)+e^{-2i\beta}\left(\cos^{6}(\beta)-2i\sin^{6}(\beta)\cos(\beta)\right)+e^{-2i\beta}\left(\cos^{6}(\beta)-2i\sin^{6}(\beta)\right)+e^{-2i\beta}\left(\cos^{6}(\beta)-2i\sin^{6}(\beta)\right)+e^{-2i\beta}\left(\cos^{6}(\beta)-2i\sin^{6}(\beta)\right)+e^{-2i\beta}\left(\cos^{6}(\beta)-2i\sin^{6}(\beta)\right)+e^{-2i\beta}\left(\cos^{6}(\beta)-2i\sin^{6}(\beta)\right)+e^{-2i\beta}\left(\cos^{6}(\beta)-2i\sin^{6}(\beta)\right)+e^{-2i\beta}\left(\cos^{6}(\beta)-2i\sin^{6}(\beta)\right)+
+e^{-2i\gamma}\left(-9\sin^2(\beta)\cos^4(\beta)-12i\sin^3(\beta)\cos^3(\beta)+9\sin^4(\beta)\cos^2(\beta)\right)+e^{2i\gamma}\left(6i\sin(\beta)\cos^5(\beta)-6\sin^2(\beta)\cos^4(\beta)-6i\sin^3(\beta)\cos^3(\beta)+9\sin^4(\beta)\cos^2(\beta)\right)
+e^{6i\gamma}\left(\cos^6(\beta)-\sin^6(\beta)\right)\sin^3(\beta)
 -6ie^{-2i\gamma}\cos^{3}(\beta)\left(-2ie^{-6i\gamma}\cos^{3}(\beta)\sin^{3}(\beta)+e^{6i\gamma}\left(\cos^{2}(\beta)\sin^{4}(\beta)-\cos^{4}(\beta)\sin^{2}(\beta)\right)+e^{2i\gamma}\left(2i\sin(\beta)\cos^{5}(\beta)-6\sin^{2}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)-\cos^{4}(\beta)\sin^{2}(\beta)\right)+e^{2i\gamma}\cos^{3}(\beta)\cos^{4}(\beta)\sin^{2}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^
+e^{-2i\gamma}\left(\cos^{6}(\beta)+4i\sin(\beta)\cos^{5}(\beta)-8\sin^{2}(\beta)\cos^{4}(\beta)-4i\sin^{3}(\beta)\cos^{3}(\beta)+8\sin^{4}(\beta)\cos^{2}(\beta)+4i\sin^{5}(\beta)\cos(\beta)-\sin^{6}(\beta)\right)\right)si
+e^{-6i\gamma}\left(\cos^{2}(\beta)\sin^{4}(\beta)-\cos^{4}(\beta)\sin^{2}(\beta)\right)\left(-2ie^{6i\gamma}\cos^{3}(\beta)\sin^{3}(\beta)+e^{2i\gamma}\left(-9\sin^{2}(\beta)\cos^{4}(\beta)-12i\sin^{3}(\beta)\cos^{3}(\beta)+9\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)+e^{-6i\gamma}\cos^{4}(\beta)\sin^{4}(\beta)+e^{-6i\gamma}\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(
+e^{-2i\gamma}\left(6i\sin(\beta)\cos^{5}(\beta)-6\sin^{2}(\beta)\cos^{4}(\beta)-6i\sin^{3}(\beta)\cos^{3}(\beta)+6\sin^{4}(\beta)\cos^{2}(\beta)+6i\sin^{5}(\beta)\cos(\beta)\right)+e^{-6i\gamma}\left(\cos^{6}(\beta)-\sin^{4}(\beta)\cos^{3}(\beta)+6\sin^{4}(\beta)\cos^{2}(\beta)+6i\sin^{5}(\beta)\cos(\beta)\right)
+e^{-2i\gamma}\left(2i\sin(\beta)\cos^{5}(\beta)-8i\sin^{3}(\beta)\cos^{3}(\beta)+2i\sin^{5}(\beta)\cos(\beta)\right)\left(e^{6i\gamma}\left(\cos^{2}(\beta)\sin^{4}(\beta)-\cos^{4}(\beta)\sin^{2}(\beta)\right)+e^{-6i\gamma}\left(i\sin(\beta)\cos^{3}(\beta)+2i\sin^{5}(\beta)\cos(\beta)\right)\right)
+e^{2i\gamma}(3i\sin(\beta)\cos^5(\beta)-6\sin^2(\beta)\cos^4(\beta)-12i\sin^3(\beta)\cos^3(\beta)+6\sin^4(\beta)\cos^2(\beta)+3i\sin^5(\beta)\cos(\beta))+e^{-2i\gamma}(\cos^6(\beta)+2i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^
+e^{2i\gamma}\left(6\cos^{2}(\beta)\sin^{4}(\beta)-6\cos^{4}(\beta)\sin^{2}(\beta)\right)\left(e^{-6i\gamma}\left(\cos^{2}(\beta)\sin^{4}(\beta)-\cos^{4}(\beta)\sin^{2}(\beta)\right)+e^{6i\gamma}\left(i\sin(\beta)\cos^{5}(\beta)+i\sin^{5}(\beta)\cos(\beta)\sin^{4}(\beta)-\cos^{4}(\beta)\sin^{4}(\beta)-\cos^{4}(\beta)\sin^{4}(\beta)-\cos^{4}(\beta)\sin^{4}(\beta)\right)
+e^{-2i\gamma}(3i\sin(\beta)\cos^5(\beta)-6\sin^2(\beta)\cos^4(\beta)-12i\sin^3(\beta)\cos^3(\beta)+6\sin^4(\beta)\cos^2(\beta)+3i\sin^5(\beta)\cos(\beta))+e^{2i\gamma}(\cos^6(\beta)+2i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos
+e^{-2i\gamma}\left(6\cos^{2}(\beta)\sin^{4}(\beta)-6\cos^{4}(\beta)\sin^{2}(\beta)\right)\left(-2ie^{6i\gamma}\cos^{3}(\beta)\sin^{3}(\beta)+e^{-6i\gamma}\left(\cos^{2}(\beta)\sin^{4}(\beta)-\cos^{4}(\beta)\sin^{2}(\beta)\right)\right)
+e^{2i\gamma} \left(2i\sin(\beta)\cos^{5}(\beta)-9\sin^{2}(\beta)\cos^{4}(\beta)-8i\sin^{3}(\beta)\cos^{3}(\beta)+9\sin^{4}(\beta)\cos^{2}(\beta)+2i\sin^{5}(\beta)\cos(\beta)\right)+e^{-2i\gamma} \left(\cos^{6}(\beta)+4i\sin^{2}(\beta)\cos^{4}(\beta)-8i\sin^{3}(\beta)\cos^{3}(\beta)+9\sin^{4}(\beta)\cos^{2}(\beta)+2i\sin^{5}(\beta)\cos(\beta)\right)+e^{-2i\gamma} \left(\cos^{6}(\beta)+4i\sin^{2}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{2}(\beta)+6i\sin^{4}(\beta)\cos(\beta)\right)+e^{-2i\gamma} \left(\cos^{6}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)+6i\sin^{4}(\beta)+6i\sin^{4}(\beta)+6i\sin^{4}(\beta)+6i\sin^{4}(\beta)+6i\sin^{4}(\beta)+6i\sin^{4}(\beta)+6i\sin^{4}(\beta)+6i\sin^{4}(\beta)+6i\sin^{4}(\beta)+6i\sin^{4}(\beta)+6i\sin^{4}(\beta)+6i\sin^{4}(\beta)+6i\sin^{4}(\beta)+6i\sin^{4}(\beta)+6i\sin^{4}(\beta)+6i\sin^{4}(\beta)+6i\sin^{4}(\beta)+6i\sin^{4}(\beta)+6i\sin^{4}(\beta)
+e^{2i\gamma}\left(4i\sin(\beta)\cos^5(\beta)-4i\sin^3(\beta)\cos^3(\beta)+4i\sin^5(\beta)\cos(\beta)\right)\left(-2ie^{-6i\gamma}\cos^3(\beta)\sin^3(\beta)+e^{6i\gamma}\left(\cos^2(\beta)\sin^4(\beta)-\cos^4(\beta)\sin^2(\beta)\cos^2(\beta)\right)\right)
+e^{-2i\gamma}\left(2i\sin(\beta)\cos^{5}(\beta)-9\sin^{2}(\beta)\cos^{4}(\beta)-8i\sin^{3}(\beta)\cos^{3}(\beta)+9\sin^{4}(\beta)\cos^{2}(\beta)+2i\sin^{5}(\beta)\cos(\beta)\right)+e^{2i\gamma}\left(\cos^{6}(\beta)+4i\sin^{3}(\beta)\cos^{3}(\beta)+9\sin^{4}(\beta)\cos^{2}(\beta)+2i\sin^{5}(\beta)\cos(\beta)\right)
+e^{2i\gamma}\left(\cos^{6}(\beta)-2\sin^{2}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{2}(\beta)-\sin^{6}(\beta)\right)\left(-2ie^{6i\gamma}\cos^{3}(\beta)\sin^{3}(\beta)+e^{-6i\gamma}\left(\cos^{2}(\beta)\sin^{4}(\beta)-\cos^{4}(\beta)\sin^{4}(\beta)\cos^{2}(\beta)\right)\right)
+e^{-2i\gamma}(2i\sin(\beta)\cos^5(\beta)-6\sin^2(\beta)\cos^4(\beta)-14i\sin^3(\beta)\cos^3(\beta)+6\sin^4(\beta)\cos^2(\beta)+2i\sin^5(\beta)\cos(\beta))+e^{2i\gamma}(\cos^6(\beta)+4i\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^
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\left(2ie^{6i\gamma}\cos^{3}(\beta)\left(2ie^{-6i\gamma}\cos^{3}(\beta)\sin^{3}(\beta) + e^{-2i\gamma}\left(-9\sin^{2}(\beta)\cos^{4}(\beta) + 12i\sin^{3}(\beta)\cos^{3}(\beta) + 9\sin^{4}(\beta)\cos^{2}(\beta)\right)\right)
+e^{2i\gamma}\left(-6i\sin(\beta)\cos^{5}(\beta)-6\sin^{2}(\beta)\cos^{4}(\beta)+6i\sin^{3}(\beta)\cos^{3}(\beta)+6\sin^{4}(\beta)\cos^{2}(\beta)-6i\sin^{5}(\beta)\cos(\beta)\right)
+e^{6i\gamma}\left(\cos^6(\beta)-\sin^6(\beta)\right)\sin^3(\beta)
+6ie^{-2i\gamma}\cos^{3}(\beta)\left(2ie^{-6i\gamma}\cos^{3}(\beta)\sin^{3}(\beta)+e^{6i\gamma}\left(\cos^{2}(\beta)\sin^{4}(\beta)-\cos^{4}(\beta)\sin^{2}(\beta)\right)\right)
+e^{2i\gamma}\left(-2i\sin(\beta)\cos^{5}(\beta)-6\sin^{2}(\beta)\cos^{4}(\beta)+14i\sin^{3}(\beta)\cos^{3}(\beta)+6\sin^{4}(\beta)\cos^{2}(\beta)-2i\sin^{5}(\beta)\cos(\beta)\right)
+e^{-2i\gamma}\left(\cos^{6}(\beta)-4i\sin(\beta)\cos^{5}(\beta)-8\sin^{2}(\beta)\cos^{4}(\beta)+4i\sin^{3}(\beta)\cos^{3}(\beta)+8\sin^{4}(\beta)\cos^{2}(\beta)-4i\sin^{5}(\beta)\cos(\beta)-\sin^{6}(\beta)\right)\right)\sin^{2}(\beta)\cos^{2}(\beta)
+e^{-6i\gamma}\left(\cos^2(\beta)\sin^4(\beta)-\cos^4(\beta)\sin^2(\beta)\right)\left(2ie^{6i\gamma}\cos^3(\beta)\sin^3(\beta)\right)
+e^{2i\gamma}\left(-9\sin^2(\beta)\cos^4(\beta)+12i\sin^3(\beta)\cos^3(\beta)+9\sin^4(\beta)\cos^2(\beta)\right)
+e^{-2i\gamma}\left(-6i\sin(\beta)\cos^{5}(\beta)-6\sin^{2}(\beta)\cos^{4}(\beta)+6i\sin^{3}(\beta)\cos^{3}(\beta)+6\sin^{4}(\beta)\cos^{2}(\beta)-6i\sin^{5}(\beta)\cos(\beta)\right)
+e^{-6i\gamma}(\cos^6(\beta)-\sin^6(\beta)))+e^{-2i\gamma}(-2i\sin(\beta)\cos^5(\beta)+8i\sin^3(\beta)\cos^3(\beta))
  -2i\sin^5(\beta)\cos(\beta))\left(e^{6i\gamma}\left(\cos^2(\beta)\sin^4(\beta)-\cos^4(\beta)\sin^2(\beta)\right)+e^{-6i\gamma}\left(-i\sin(\beta)\cos^5(\beta)-i\sin^5(\beta)\cos(\beta)\right)\right)
+e^{2i\gamma}\left(-3i\sin(\beta)\cos^{5}(\beta)-6\sin^{2}(\beta)\cos^{4}(\beta)+12i\sin^{3}(\beta)\cos^{3}(\beta)+6\sin^{4}(\beta)\cos^{2}(\beta)-3i\sin^{5}(\beta)\cos(\beta)\right)
+e^{-2i\gamma}\left(\cos^{6}(\beta)-2i\sin(\beta)\cos^{5}(\beta)-8\sin^{2}(\beta)\cos^{4}(\beta)+8i\sin^{3}(\beta)\cos^{3}(\beta)+8\sin^{4}(\beta)\cos^{2}(\beta)-2i\sin^{5}(\beta)\cos(\beta)-\sin^{6}(\beta)\right)
+e^{2i\gamma}\left(6\cos^{2}(\beta)\sin^{4}(\beta)-6\cos^{4}(\beta)\sin^{2}(\beta)\right)\left(e^{-6i\gamma}\left(\cos^{2}(\beta)\sin^{4}(\beta)-\cos^{4}(\beta)\sin^{2}(\beta)\right)+e^{6i\gamma}\left(-i\sin(\beta)\cos^{5}(\beta)-i\sin^{5}(\beta)\cos^{2}(\beta)\sin^{4}(\beta)-\cos^{4}(\beta)\sin^{4}(\beta)-\cos^{4}(\beta)\sin^{4}(\beta)-\cos^{4}(\beta)\sin^{4}(\beta)-\cos^{4}(\beta)\sin^{4}(\beta)-\cos^{4}(\beta)\sin^{4}(\beta)-\cos^{4}(\beta)\sin^{4}(\beta)-\cos^{4}(\beta)\sin^{4}(\beta)-\cos^{4}(\beta)\sin^{4}(\beta)-\cos^{4}(\beta)\sin^{4}(\beta)-\cos^{4}(\beta)\sin^{4}(\beta)-\cos^{4}(\beta)\sin^{4}(\beta)-\cos^{4}(\beta)\sin^{4}(\beta)-\cos^{4}(\beta)\sin^{4}(\beta)-\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(
+e^{-2i\gamma}\left(-3i\sin(\beta)\cos^{5}(\beta)-6\sin^{2}(\beta)\cos^{4}(\beta)+12i\sin^{3}(\beta)\cos^{3}(\beta)+6\sin^{4}(\beta)\cos^{2}(\beta)-3i\sin^{5}(\beta)\cos(\beta)\right)+e^{2i\gamma}\left(\cos^{6}(\beta)-2i\sin^{4}(\beta)\cos^{2}(\beta)-3i\sin^{5}(\beta)\cos^{5}(\beta)\right)
+e^{-2i\gamma}\left(6\cos^2(\beta)\sin^4(\beta)-6\cos^4(\beta)\sin^2(\beta)\right)\left(2ie^{6i\gamma}\cos^3(\beta)\sin^3(\beta)+e^{-6i\gamma}\left(\cos^2(\beta)\sin^4(\beta)-\cos^4(\beta)\sin^2(\beta)\right)\right)
+e^{2i\gamma}\left(-2i\sin(\beta)\cos^{5}(\beta)-9\sin^{2}(\beta)\cos^{4}(\beta)+8i\sin^{3}(\beta)\cos^{3}(\beta)+9\sin^{4}(\beta)\cos^{2}(\beta)-2i\sin^{5}(\beta)\cos(\beta)\right)+e^{-2i\gamma}\left(\cos^{6}(\beta)-4i\sin^{2}(\beta)\cos^{4}(\beta)+8i\sin^{3}(\beta)\cos^{3}(\beta)+9\sin^{4}(\beta)\cos^{2}(\beta)-2i\sin^{5}(\beta)\cos(\beta)\right)+e^{-2i\gamma}\left(\cos^{6}(\beta)-4i\sin^{4}(\beta)\cos^{2}(\beta)+8i\sin^{4}(\beta)\cos^{2}(\beta)+9\sin^{4}(\beta)\cos(\beta)\right)
+e^{2i\gamma}\left(-4i\sin(\beta)\cos^{5}(\beta)+4i\sin^{3}(\beta)\cos^{3}(\beta)-4i\sin^{5}(\beta)\cos(\beta)\right)\left(2ie^{-6i\gamma}\cos^{3}(\beta)\sin^{3}(\beta)+e^{6i\gamma}\left(\cos^{2}(\beta)\sin^{4}(\beta)-\cos^{4}(\beta)\sin^{3}(\beta)+e^{6i\gamma}\cos^{3}(\beta)\sin^{4}(\beta)-\cos^{4}(\beta)\sin^{4}(\beta)\cos^{3}(\beta)+e^{6i\gamma}\cos^{3}(\beta)\sin^{4}(\beta)\cos^{3}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta
+e^{-2i\gamma}\left(-2i\sin(\beta)\cos^{5}(\beta)-9\sin^{2}(\beta)\cos^{4}(\beta)+8i\sin^{3}(\beta)\cos^{3}(\beta)+9\sin^{4}(\beta)\cos^{2}(\beta)-2i\sin^{5}(\beta)\cos(\beta)\right)+e^{2i\gamma}\left(\cos^{6}(\beta)-4i\sin^{2}(\beta)\cos^{2}(\beta)+8i\sin^{3}(\beta)\cos^{3}(\beta)+9\sin^{4}(\beta)\cos^{2}(\beta)-2i\sin^{5}(\beta)\cos(\beta)\right)
+e^{2i\gamma}\left(\cos^{6}(\beta)-2\sin^{2}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{2}(\beta)-\sin^{6}(\beta)\right)\left(2ie^{6i\gamma}\cos^{3}(\beta)\sin^{3}(\beta)+e^{-6i\gamma}\left(\cos^{2}(\beta)\sin^{4}(\beta)-\cos^{4}(\beta)\sin^{2}(\beta)\right)\right)
+e^{-2i\gamma}\left(-2i\sin(\beta)\cos^{5}(\beta)-6\sin^{2}(\beta)\cos^{4}(\beta)+14i\sin^{3}(\beta)\cos^{3}(\beta)+6\sin^{4}(\beta)\cos^{2}(\beta)-2i\sin^{5}(\beta)\cos(\beta)\right)+e^{2i\gamma}\left(\cos^{6}(\beta)-4i\sin^{2}(\beta)\cos^{4}(\beta)+14i\sin^{3}(\beta)\cos^{3}(\beta)+6\sin^{4}(\beta)\cos^{2}(\beta)-2i\sin^{5}(\beta)\cos(\beta)\right)+e^{2i\gamma}\left(\cos^{6}(\beta)-4i\sin^{4}(\beta)\cos^{2}(\beta)-2i\sin^{5}(\beta)\cos(\beta)\right)+e^{2i\gamma}\left(\cos^{6}(\beta)-4i\sin^{4}(\beta)\cos^{2}(\beta)-2i\sin^{5}(\beta)\cos(\beta)\right)+e^{2i\gamma}\left(\cos^{6}(\beta)-4i\sin^{4}(\beta)\cos^{2}(\beta)-2i\sin^{5}(\beta)\cos(\beta)\right)+e^{2i\gamma}\left(\cos^{6}(\beta)-4i\sin^{4}(\beta)\cos^{4}(\beta)-2i\sin^{5}(\beta)\cos(\beta)\right)+e^{2i\gamma}\left(\cos^{6}(\beta)-4i\sin^{4}(\beta)\cos^{4}(\beta)-2i\sin^{5}(\beta)\cos(\beta)\right)+e^{2i\gamma}\left(\cos^{6}(\beta)-4i\sin^{4}(\beta)\cos^{4}(\beta)-2i\sin^{5}(\beta)\cos(\beta)\right)+e^{2i\gamma}\left(\cos^{6}(\beta)-4i\sin^{4}(\beta)\cos^{4}(\beta)-2i\sin^{5}(\beta)\cos(\beta)\right)+e^{2i\gamma}\left(\cos^{6}(\beta)-4i\sin^{4}(\beta)\cos^{4}(\beta)-2i\sin^{5}(\beta)\cos(\beta)\right)+e^{2i\gamma}\left(\cos^{6}(\beta)-4i\sin^{4}(\beta)\cos^{4}(\beta)-2i\sin^{5}(\beta)\cos(\beta)\right)+e^{2i\gamma}\left(\cos^{6}(\beta)-4i\sin^{4}(\beta)\cos(\beta)-2i\sin^{4}(\beta)\cos(\beta)\right)+e^{2i\gamma}\left(\cos^{6}(\beta)-4i\sin^{4}(\beta)\cos(\beta)-2i\sin^{4}(\beta)\cos(\beta)\right)+e^{2i\gamma}\left(\cos^{6}(\beta)-4i\sin^{4}(\beta)\cos(\beta)-2i\sin^{4}(\beta)\cos(\beta)\right)+e^{2i\gamma}\left(\cos^{6}(\beta)-4i\sin^{4}(\beta)\cos(\beta)-2i\sin^{4}(\beta)\cos(\beta)\right)+e^{2i\gamma}\left(\cos^{6}(\beta)-2i\sin^{4}(\beta)\cos(\beta)\right)+e^{2i\gamma}\left(\cos^{6}(\beta)-2i\sin^{4}(\beta)\cos(\beta)\right)+e^{2i\gamma}\left(\cos^{6}(\beta)-2i\sin^{4}(\beta)\cos(\beta)\right)+e^{2i\gamma}\left(\cos^{6}(\beta)-2i\sin^{4}(\beta)\cos(\beta)\right)+e^{2i\gamma}\left(\cos^{6}(\beta)-2i\sin^{4}(\beta)\cos(\beta)\right)+e^{2i\gamma}\left(\cos^{6}(\beta)-2i\sin^{4}(\beta)\cos(\beta)\right)+e^{2i\gamma}\left(\cos^{6}(\beta)-2i\sin^{4}(\beta)\cos(\beta)\right)+e^{2i\gamma}\left(\cos^{6}(\beta)-2i\sin^{4}(\beta)\cos(\beta)\right)+e^{2i\gamma}\left(\cos^{6}(\beta)-2i\sin^{4}(\beta)\cos(\beta)\right)+e^{2i\gamma}\left(\cos^{6}(\beta)-2i\sin^{4}(\beta)\cos(\beta)\right)+e^{2i\gamma}\left(\cos^{6}(\beta)-2i\sin^{4}(\beta)\cos(\beta)\right)+e^{2i\gamma}\left(\cos^{6}(\beta)-2i\sin^{4}(\beta)\cos(\beta)\right)+e^{2i\gamma}\left(\cos^{6}(\beta)-2i\sin^{6}(\beta)\cos(\beta)\right)+e^{2i\gamma}\left(\cos^{6}(\beta)-2i\sin^{6}(\beta)\cos(\beta)\right)+e^{2i\gamma}\left(\cos^{6}(\beta)-2i\sin^{6}(\beta)\cos(\beta)\right)+e^{2i\gamma}\left(\cos^{6}(\beta)-2i\sin^{6}(\beta)\cos(\beta)\right)+e^{2i\gamma}\left(\cos^{6}(\beta)-2i\sin^{6}(\beta)\cos(\beta)\right)+e^{2i\gamma}\left(\cos^{6}(\beta)-2i\sin^{6}(\beta)\cos(\beta)\right)+e^{2i\gamma}\left(\cos^{6}(\beta)-2i\sin^{6}(\beta)\cos(\beta)\right)+e^{2i\gamma}\left(\cos^{6}(\beta)-2i\sin^{6}(\beta)\cos(\beta)\right)+e^{2i\beta}\left(\cos^{6}(\beta)-2i\sin^{6}(\beta)\cos(\beta)\right)+e^{2i\beta}\left(\cos^{6}(\beta)-2i\sin^{6}(\beta)\cos(\beta)\right)+e^{2i\beta}\left(\cos^{6}(\beta)-2i\sin^{6}(\beta)\cos(\beta)\right)+e^{2i\beta}\left(\cos^{6}(\beta)-2i\sin^{6}(\beta)\cos(\beta)\right)+e^{2i\beta}\left(\cos^{6}(\beta)-2i\sin^{6}(\beta)\cos(\beta)\right)+e^{2i\beta}\left(\cos^{6}(\beta)-2i\sin^{6}(\beta)\cos(\beta)\right)+e^{2i\beta}\left(\cos^{6}(\beta)-2i\sin^{6}(\beta)\cos(\beta)\right)+e^{2i\beta}\left(\cos^{6}(\beta)-2i\sin^{6}(\beta)\right)+e^{2i\beta}\left(\cos^{6}(\beta)-2i\sin^{6}(\beta)\right)+e^{2i\beta}\left(\cos^{6}(\beta)-2i\sin^{6}(\beta)\right)+e^{2i\beta}\left(\cos^{6}(\beta)-2i\sin^{6}(\beta)\right)+e^{2i\beta}\left(\cos^{6}(\beta)-2i\sin^{6}(\beta)\right)+e^{2i\beta}\left(\cos^{6}(\beta)-2i\sin^{6}(\beta)\right)+e^{2i\beta}\left(\cos^{6}(\beta)-2i\sin^{6}(\beta)\right)+e^{2
+e^{2i\gamma}\left(-9\sin^{2}(\beta)\cos^{4}(\beta)-12i\sin^{3}(\beta)\cos^{3}(\beta)+9\sin^{4}(\beta)\cos^{2}(\beta)\right)+e^{-2i\gamma}\left(6i\sin(\beta)\cos^{5}(\beta)-6\sin^{2}(\beta)\cos^{4}(\beta)-6i\sin^{3}(\beta)\cos^{2}(\beta)\right)+e^{-2i\gamma}\left(6i\sin(\beta)\cos^{5}(\beta)-6\sin^{2}(\beta)\cos^{4}(\beta)-6i\sin^{3}(\beta)\cos^{3}(\beta)+9\sin^{4}(\beta)\cos^{2}(\beta)\right)+e^{-2i\gamma}\left(6i\sin(\beta)\cos^{5}(\beta)-6\sin^{2}(\beta)\cos^{4}(\beta)-6i\sin^{3}(\beta)\cos^{3}(\beta)+9\sin^{4}(\beta)\cos^{2}(\beta)\right)+e^{-2i\gamma}\left(6i\sin(\beta)\cos^{5}(\beta)-6\sin^{2}(\beta)\cos^{4}(\beta)-6i\sin^{3}(\beta)\cos^{3}(\beta)+9\sin^{4}(\beta)\cos^{2}(\beta)\right)+e^{-2i\gamma}\left(6i\sin(\beta)\cos^{5}(\beta)-6\sin^{2}(\beta)\cos^{4}(\beta)-6i\sin^{3}(\beta)\cos^{3}(\beta)+9\sin^{4}(\beta)\cos^{2}(\beta)\right)+e^{-2i\gamma}\left(6i\sin(\beta)\cos^{5}(\beta)-6\sin^{2}(\beta)\cos^{4}(\beta)-6i\sin^{3}(\beta)\cos^{3}(\beta)+9\sin^{4}(\beta)\cos^{2}(\beta)\right)+e^{-2i\gamma}\left(6i\sin(\beta)\cos^{5}(\beta)-6\sin^{2}(\beta)\cos^{4}(\beta)-6i\sin^{3}(\beta)\cos^{3}(\beta)+9\sin^{4}(\beta)\cos^{2}(\beta)\right)+e^{-2i\gamma}\left(6i\sin(\beta)\cos^{5}(\beta)-6\sin^{2}(\beta)\cos^{4}(\beta)-6i\sin^{4}(\beta)\cos^{5}(\beta)+9\sin^{4}(\beta)\cos^{5}(\beta)\right)+e^{-2i\gamma}\left(6i\sin(\beta)\cos^{5}(\beta)-6i\sin^{4}(\beta)\cos^{5}(\beta)-6i\sin^{5}(\beta)\cos^{5}(\beta)+9\sin^{5}(\beta)\cos^{5}(\beta)\right)+e^{-2i\gamma}\left(6i\sin(\beta)\cos^{5}(\beta)-6i\sin^{5}(\beta)\cos^{5}(\beta)+9\sin^{5}(\beta)\cos^{5}(\beta)+9\sin^{5}(\beta)\cos^{5}(\beta)\right)+e^{-2i\gamma}\left(6i\sin(\beta)\cos^{5}(\beta)-6i\sin^{5}(\beta)\cos^{5}(\beta)+9\sin^{5}(\beta)\cos^{5}(\beta)\right)+e^{-2i\gamma}\left(6i\sin(\beta)\cos^{5}(\beta)-6i\sin^{5}(\beta)\cos^{5}(\beta)\right)+e^{-2i\gamma}\left(6i\sin(\beta)\cos^{5}(\beta)-6i\sin^{5}(\beta)\cos^{5}(\beta)\right)+e^{-2i\gamma}\left(6i\sin(\beta)\cos^{5}(\beta)-6i\sin^{5}(\beta)\cos^{5}(\beta)\right)+e^{-2i\gamma}\left(6i\sin(\beta)\cos^{5}(\beta)-6i\sin^{5}(\beta)\cos^{5}(\beta)\right)+e^{-2i\gamma}\left(6i\sin(\beta)\cos^{5}(\beta)-6i\sin^{5}(\beta)\cos^{5}(\beta)\right)+e^{-2i\gamma}\left(6i\sin(\beta)\cos^{5}(\beta)-6i\sin^{5}(\beta)\cos^{5}(\beta)\right)+e^{-2i\gamma}\left(6i\sin(\beta)\cos^{5}(\beta)-6i\sin^{5}(\beta)\cos^{5}(\beta)\right)+e^{-2i\gamma}\left(6i\sin(\beta)\cos^{5}(\beta)-6i\sin^{5}(\beta)\cos^{5}(\beta)\right)+e^{-2i\gamma}\left(6i\sin(\beta)\cos^{5}(\beta)-6i\sin^{5}(\beta)\cos^{5}(\beta)\right)+e^{-2i\gamma}\left(6i\sin(\beta)\cos^{5}(\beta)-6i\sin^{5}(\beta)\cos^{5}(\beta)\right)+e^{-2i\gamma}\left(6i\sin(\beta)\cos^{5}(\beta)-6i\sin^{5}(\beta)\cos^{5}(\beta)\right)+e^{-2i\gamma}\left(6i\sin(\beta)\cos^{5}(\beta)-6i\sin^{5}(\beta)\cos^{5}(\beta)\right)+e^{-2i\beta}\left(6i\sin(\beta)\cos^{5}(\beta)-6i\sin^{5}(\beta)\cos^{5}(\beta)\right)+e^{-2i\beta}\left(6i\sin(\beta)\cos^{5}(\beta)-6i\sin^{5}(\beta)\cos^{5}(\beta)\right)+e^{-2i\beta}\left(6i\sin(\beta)\cos^{5}(\beta)-6i\sin^{5}(\beta)\cos^{5}(\beta)\right)+e^{-2i\beta}\left(6i\sin(\beta)\cos^{5}(\beta)-6i\sin^{5}(\beta)\cos^{5}(\beta)\right)+e^{-2i\beta}\left(6i\sin(\beta)\cos^{5}(\beta)-6i\sin^{5}(\beta)\cos^{5}(\beta)\right)+e^{-2i\beta}\left(6i\sin(\beta)\cos^{5}(\beta)-6i\sin^{5}(\beta)\cos^{5}(\beta)\right)+e^{-2i\beta}\left(6i\sin(\beta)\cos^{5}(\beta)-6i\sin^{5}(\beta)\cos^{5}(\beta)\right)+e^{-2i\beta}\left(6i\sin(\beta)\cos^{5}(\beta)-6i\sin^{5}(\beta)\cos^{5}(\beta)\right)+e^{-2i\beta}\left(6i\sin(\beta)\cos^{5}(\beta)-6i\sin^{5}(\beta)\cos^{5}(\beta)\right)+e^{-2i\beta}\left(6i\sin(\beta)\cos^{5}(\beta)-6i\sin^{5}(\beta)\cos^{5}(\beta)\right)+e^{-2i\beta}\left(6i\sin(\beta)\cos^{5}(\beta)-6i\sin^{5}(\beta)\cos^{5}(\beta)\right)+e^{-2i\beta}\left(6i\sin(\beta)\cos^{5}(\beta)-6i\sin^{5}(\beta)\cos^{5}(\beta)\right)+e^{-
+e^{-6i\gamma}\left(\cos^6(\beta)-\sin^6(\beta)\right)\sin^3(\beta)
  -6ie^{2i\gamma}\cos^{3}(\beta)\left(-2ie^{6i\gamma}\cos^{3}(\beta)\sin^{3}(\beta)+e^{-6i\gamma}\left(\cos^{2}(\beta)\sin^{4}(\beta)-\cos^{4}(\beta)\sin^{2}(\beta)\right)+e^{-2i\gamma}\left(2i\sin(\beta)\cos^{5}(\beta)-6\sin^{2}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)-\cos^{4}(\beta)\sin^{2}(\beta)\right)+e^{-2i\gamma}\cos^{4}(\beta)\sin^{2}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos
+e^{2i\gamma}\left(\cos^{6}(\beta)+4i\sin(\beta)\cos^{5}(\beta)-8\sin^{2}(\beta)\cos^{4}(\beta)-4i\sin^{3}(\beta)\cos^{3}(\beta)+8\sin^{4}(\beta)\cos^{2}(\beta)+4i\sin^{5}(\beta)\cos(\beta)-\sin^{6}(\beta)\right)\right) sin
+e^{6i\gamma}\left(\cos^{2}(\beta)\sin^{4}(\beta)-\cos^{4}(\beta)\sin^{2}(\beta)\right)\left(-2ie^{-6i\gamma}\cos^{3}(\beta)\sin^{3}(\beta)+e^{-2i\gamma}\left(-9\sin^{2}(\beta)\cos^{4}(\beta)-12i\sin^{3}(\beta)\cos^{3}(\beta)+9\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{2}(\beta)\right)\right)
+e^{2i\gamma} \left(6i \sin(\beta) \cos^{5}(\beta) - 6 \sin^{2}(\beta) \cos^{4}(\beta) - 6i \sin^{3}(\beta) \cos^{3}(\beta) + 6 \sin^{4}(\beta) \cos^{2}(\beta) + 6i \sin^{5}(\beta) \cos(\beta)\right) + e^{6i\gamma} \left(\cos^{6}(\beta) - \sin^{6}(\beta) \cos^{3}(\beta) + 6 \sin^{4}(\beta) \cos^{2}(\beta) + 6i \sin^{5}(\beta) \cos(\beta)\right) + e^{6i\gamma} \left(\cos^{6}(\beta) - \sin^{6}(\beta) \cos^{3}(\beta) + 6 \sin^{4}(\beta) \cos^{2}(\beta) + 6i \sin^{5}(\beta) \cos(\beta)\right) + e^{6i\gamma} \left(\cos^{6}(\beta) - \sin^{6}(\beta) \cos^{6}(\beta) + 6 \sin^{6}(\beta) \cos(\beta)\right) + e^{6i\gamma} \left(\cos^{6}(\beta) - \sin^{6}(\beta) \cos^{6}(\beta) + 6 \sin^{6}(\beta) \cos(\beta)\right) + e^{6i\gamma} \left(\cos^{6}(\beta) - \sin^{6}(\beta) \cos(\beta) + 6 \sin^{6}(\beta) \cos(\beta)\right) + e^{6i\gamma} \left(\cos^{6}(\beta) - \sin^{6}(\beta) \cos(\beta) + 6 \sin^{6}(\beta) \cos(\beta)\right) + e^{6i\gamma} \left(\cos^{6}(\beta) - \sin^{6}(\beta) \cos(\beta) + 6 \sin^{6}(\beta) \cos(\beta)\right) + e^{6i\gamma} \left(\cos^{6}(\beta) - \sin^{6}(\beta) \cos(\beta) + 6 \sin^{6}(\beta) \cos(\beta)\right) + e^{6i\gamma} \left(\cos^{6}(\beta) - \sin^{6}(\beta) \cos(\beta) + 6 \sin^{6}(\beta) \cos(\beta)\right) + e^{6i\gamma} \left(\cos^{6}(\beta) - \sin^{6}(\beta) \cos(\beta) + 6 \sin^{6}(\beta) \cos(\beta)\right) + e^{6i\gamma} \left(\cos^{6}(\beta) - \sin^{6}(\beta) \cos(\beta) + 6 \sin^{6}(\beta) \cos(\beta)\right) + e^{6i\gamma} \left(\cos^{6}(\beta) - \sin^{6}(\beta) \cos(\beta) + 6 \sin^{6}(\beta) \cos(\beta)\right) + e^{6i\gamma} \left(\cos^{6}(\beta) - \sin^{6}(\beta) \cos(\beta) + 6 \sin^{6}(\beta) \cos(\beta)\right) + e^{6i\gamma} \left(\cos^{6}(\beta) - \sin^{6}(\beta) \cos(\beta) + 6 \sin^{6}(\beta) \cos(\beta)\right) + e^{6i\gamma} \left(\cos^{6}(\beta) - \sin^{6}(\beta) \cos(\beta) + 6 \sin^{6}(\beta) \cos(\beta)\right) + e^{6i\gamma} \left(\cos^{6}(\beta) - \sin^{6}(\beta) \cos(\beta) + 6 \sin^{6}(\beta) \cos(\beta)\right) + e^{6i\gamma} \left(\cos^{6}(\beta) - \cos^{6}(\beta) - \cos^{6}(\beta) - \cos^{6}(\beta) \cos(\beta)\right) + e^{6i\gamma} \left(\cos^{6}(\beta) - \cos^{6}(\beta) - \cos^{6}(\beta) - \cos^{6}(\beta) \cos(\beta)\right) + e^{6i\gamma} \left(\cos^{6}(\beta) - \cos^{6}(\beta) - \cos^{6}(\beta) - \cos^{6}(\beta) - \cos^{6}(\beta)\right) + e^{6i\gamma} \left(\cos^{6}(\beta) - \cos^{6}(\beta) - \cos^{6}(\beta) - \cos^{6}(\beta) - \cos^{6}(\beta)\right) + e^{6i\gamma} \left(\cos^{6}(\beta) - \cos^{6}(\beta) - \cos^{6}(\beta) - \cos^{6}(\beta) - \cos^{6}(\beta)\right) + e^{6i\gamma} \left(\cos^{6}(\beta) - \cos^{6}(\beta) - \cos^{6}(\beta) - \cos^{6}(\beta) - \cos^{6}(\beta)\right) + e^{6i\gamma} \left(\cos^{6}(\beta) - \cos^{6}(\beta) - \cos^{6}(\beta) - \cos^{6}(\beta)\right) + e^{6i\gamma} \left(\cos^{6}(\beta) - \cos^{6}(\beta)\right) + e^{6i\gamma}
+e^{-2i\gamma}\left(6\cos^{2}(\beta)\sin^{4}(\beta)-6\cos^{4}(\beta)\sin^{2}(\beta)\right)\left(e^{6i\gamma}\left(\cos^{2}(\beta)\sin^{4}(\beta)-\cos^{4}(\beta)\sin^{2}(\beta)\right)+e^{-6i\gamma}\left(i\sin(\beta)\cos^{5}(\beta)+i\sin^{5}(\beta)\cos^{2}(\beta)\sin^{4}(\beta)-\cos^{4}(\beta)\sin^{4}(\beta)-\cos^{4}(\beta)\sin^{4}(\beta)-\cos^{4}(\beta)\sin^{4}(\beta)-\cos^{4}(\beta)\sin^{4}(\beta)-\cos^{4}(\beta)\sin^{4}(\beta)-\cos^{4}(\beta)\sin^{4}(\beta)-\cos^{4}(\beta)\sin^{4}(\beta)-\cos^{4}(\beta)\sin^{4}(\beta)-\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)-\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^
+e^{2i\gamma}(3i\sin(\beta)\cos^5(\beta)-6\sin^2(\beta)\cos^4(\beta)-12i\sin^3(\beta)\cos^3(\beta)+6\sin^4(\beta)\cos^2(\beta)+3i\sin^5(\beta)\cos(\beta))+e^{-2i\gamma}(\cos^6(\beta)+2i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta
+e^{2i\gamma}\left(2i\sin(\beta)\cos^5(\beta)-8i\sin^3(\beta)\cos^3(\beta)+2i\sin^5(\beta)\cos(\beta)\right)\left(e^{-6i\gamma}\left(\cos^2(\beta)\sin^4(\beta)-\cos^4(\beta)\sin^2(\beta)\right)+e^{6i\gamma}\left(i\sin(\beta)\cos^5(\beta)-8i\sin^3(\beta)\cos^3(\beta)+2i\sin^5(\beta)\cos(\beta)\right)\right)
+e^{-2i\gamma}(3i\sin(\beta)\cos^5(\beta)-6\sin^2(\beta)\cos^4(\beta)-12i\sin^3(\beta)\cos^3(\beta)+6\sin^4(\beta)\cos^2(\beta)+3i\sin^5(\beta)\cos(\beta))+e^{2i\gamma}(\cos^6(\beta)+2i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2
+e^{-2i\gamma}\left(4i\sin(\beta)\cos^{5}(\beta)-4i\sin^{3}(\beta)\cos^{3}(\beta)+4i\sin^{5}(\beta)\cos(\beta)\right)\left(-2ie^{6i\gamma}\cos^{3}(\beta)\sin^{3}(\beta)+e^{-6i\gamma}\left(\cos^{2}(\beta)\sin^{4}(\beta)-\cos^{4}(\beta)\sin^{3}(\beta)+e^{-6i\gamma}\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(
+e^{2i\gamma} \left(2i\sin(\beta)\cos^{5}(\beta)-9\sin^{2}(\beta)\cos^{4}(\beta)-8i\sin^{3}(\beta)\cos^{3}(\beta)+9\sin^{4}(\beta)\cos^{2}(\beta)+2i\sin^{5}(\beta)\cos(\beta)\right)+e^{-2i\gamma} \left(\cos^{6}(\beta)+4i\sin^{3}(\beta)\cos^{3}(\beta)+9\sin^{4}(\beta)\cos^{2}(\beta)+2i\sin^{5}(\beta)\cos(\beta)\right)+e^{-2i\gamma} \left(\cos^{6}(\beta)+4i\sin^{3}(\beta)\cos^{3}(\beta)+9\sin^{4}(\beta)\cos^{2}(\beta)+2i\sin^{5}(\beta)\cos(\beta)\right)+e^{-2i\gamma} \left(\cos^{6}(\beta)+4i\sin^{3}(\beta)\cos^{3}(\beta)+9\sin^{4}(\beta)\cos^{3}(\beta)+9\sin^{4}(\beta)\cos(\beta)\right)+e^{-2i\gamma} \left(\cos^{6}(\beta)+4i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)+6i\sin^{4}(\beta)+6i\sin^{4}(\beta)+6i\sin^{4}(\beta)+6i\sin^{4}(\beta)+6i\sin^{4}(\beta)+6i\sin^{4}(\beta)+6i\sin^{4}(\beta)+6i\sin^{4}(\beta)+6i\sin^{4}(\beta)+6i\sin^{4}(\beta)+6i\sin^{4}(\beta)+6i\sin^{4}(\beta)+6i\sin^{4}(\beta)+6i\sin^{4}(\beta)+6i\sin^{4}(\beta)+6i\sin^{4}(\beta)+6i\sin^{4}(\beta)+6i\sin^{4}(\beta)+6i\sin^{4}(\beta)+6i\sin^{4}(\beta)+6i\sin^{4}(\beta)+
+e^{2i\gamma} \left(6 \cos ^2(\beta) \sin ^4(\beta)-6 \cos ^4(\beta) \sin ^2(\beta)\right) \left(-2 i e^{-6 i \gamma} \cos ^3(\beta) \sin ^3(\beta)+e^{6 i \gamma} \left(\cos ^2(\beta) \sin ^4(\beta)-\cos ^4(\beta) \sin ^2(\beta)\right)\right)
+e^{-2i\gamma}\left(2i\sin(\beta)\cos^{5}(\beta)-9\sin^{2}(\beta)\cos^{4}(\beta)-8i\sin^{3}(\beta)\cos^{3}(\beta)+9\sin^{4}(\beta)\cos^{2}(\beta)+2i\sin^{5}(\beta)\cos(\beta)\right)+e^{2i\gamma}\left(\cos^{6}(\beta)+4i\sin^{3}(\beta)\cos^{3}(\beta)+9\sin^{4}(\beta)\cos^{2}(\beta)+2i\sin^{5}(\beta)\cos(\beta)\right)+e^{2i\gamma}\left(\cos^{6}(\beta)+4i\sin^{3}(\beta)\cos^{3}(\beta)+9\sin^{4}(\beta)\cos^{2}(\beta)+2i\sin^{5}(\beta)\cos(\beta)\right)+e^{2i\gamma}\left(\cos^{6}(\beta)+4i\sin^{3}(\beta)\cos^{3}(\beta)+9\sin^{4}(\beta)\cos^{2}(\beta)+2i\sin^{5}(\beta)\cos(\beta)\right)+e^{2i\gamma}\left(\cos^{6}(\beta)+4i\sin^{4}(\beta)\cos^{2}(\beta)+2i\sin^{5}(\beta)\cos(\beta)\right)+e^{2i\gamma}\left(\cos^{6}(\beta)+4i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos(\beta)+2i\sin^{5}(\beta)\cos(\beta)\right)+e^{2i\gamma}\left(\cos^{6}(\beta)+2i\sin^{4}(\beta)\cos(\beta)+2i\sin^{5}(\beta)\cos(\beta)\right)+e^{2i\gamma}\left(\cos^{6}(\beta)+2i\sin^{4}(\beta)\cos(\beta)+2i\sin^{5}(\beta)\cos(\beta)\right)+e^{2i\gamma}\left(\cos^{6}(\beta)+2i\sin^{5}(\beta)\cos(\beta)+2i\sin^{5}(\beta)\cos(\beta)+2i\sin^{5}(\beta)\cos(\beta)\right)+e^{2i\gamma}\left(\cos^{6}(\beta)+2i\sin^{5}(\beta)\cos(\beta)+2i\sin^{5}(\beta)\cos(\beta)+2i\sin^{5}(\beta)\cos(\beta)\right)+e^{2i\gamma}\left(\cos^{6}(\beta)+2i\sin^{5}(\beta)\cos(\beta)+2i\sin^{5}(\beta)\cos(\beta)+2i\sin^{5}(\beta)\cos(\beta)+2i\sin^{5}(\beta)\cos(\beta)+2i\sin^{5}(\beta)\cos(\beta)+2i\sin^{5}(\beta)\cos(\beta)+2i\sin^{5}(\beta)\cos(\beta)+2i\sin^{5}(\beta)\cos(\beta)+2i\sin^{5}(\beta)\cos(\beta)+2i\sin^{5}(\beta)\cos(\beta)+2i\sin^{5}(\beta)\cos(\beta)+2i\sin^{5}(\beta)\cos(\beta)+2i\sin^{5}(\beta)\cos(\beta)+2i\sin^{5}(\beta)\cos(\beta)+2i\sin^{5}(\beta)\cos(\beta)+2i\sin^{5}(\beta)\cos(\beta)+2i\sin^{5}(\beta)\cos(\beta)+2i\sin^{5}(\beta)\cos(\beta)+2i\sin^{5}(\beta)\cos(\beta)+2i\sin^{5}(\beta)\cos(\beta)+2i\sin^{5}(\beta)\cos(\beta)+2i\sin^{5}(\beta)\cos(\beta)+2i\sin^{5}(\beta)\cos(\beta)+2i\sin^{5}(\beta)\cos(\beta)+2i\sin^{5}(\beta)\cos(\beta)+2i\sin^{5}(\beta)\cos(\beta)+2i\sin^{5}(\beta)\cos(\beta)+2i\sin^{5}(\beta)\cos(\beta)+2i\sin^{5}(\beta)\cos(\beta)+2i\sin^{5}(\beta)\cos(\beta)+2i\sin^{5}(\beta)\cos(\beta)+2i\sin^{5}(\beta)\cos(\beta)+2i\sin^{5}(\beta)\cos(\beta)+2i\sin^{5}(\beta)\cos(\beta)+2i\sin^{5}(\beta)\cos(\beta)+2i\sin^{5}(\beta)\cos(\beta)+2i\sin^{5}(\beta)\cos(\beta)+2i\sin^{5}(\beta)\cos(\beta)+2i\sin^{5}(\beta)\cos(\beta)+2i\sin^{5}(\beta)\cos(\beta)+2i\sin^{5}(\beta)\cos(\beta)+2i\sin^{5}(\beta)\cos(\beta)+2i\sin^{5}(\beta)\cos(\beta)+2i\sin^{5}(\beta)\cos(\beta)+2i\sin^{5}(\beta)\cos(\beta)+2i\sin^{5}(\beta)\cos(\beta)+2i\sin^{5}(\beta)\cos(\beta)+2i\sin^{5}(\beta)\cos(\beta)+2i\sin^{5}(\beta)\cos(\beta)+2i\sin^{5}(\beta)\cos(\beta)+2i\sin^{5}(\beta)\cos(\beta)+2i\sin^{5}(\beta)\cos(\beta)+2i\sin^{5}(\beta)\cos(\beta)+2i\sin^{5}(\beta)\cos(\beta)+2i\sin^{5}(\beta)\cos(\beta)+2i\sin^{5}(\beta)\cos(\beta)+2i\sin^{5}(\beta)\cos(\beta)+2i\sin^{5}(\beta)\cos(\beta)+2i\sin^{5}(\beta)\cos(\beta)+2i\sin^{5}(\beta)\cos(\beta)+2i\sin^{5}(\beta)\cos(\beta)+2i\sin^{5}(\beta)\cos(\beta)+2i\sin^{5}(\beta)\cos(\beta)+2i\sin^{5}(\beta)\cos(\beta)+2i\sin^{5}(\beta)\cos(\beta)+2i\sin^{5}(\beta)\cos(\beta)+2i\sin^{5}(\beta)\cos(\beta)+2i\sin^{5}(\beta)\cos(\beta)+2i\sin^{5}(\beta)\cos(\beta)+2i\sin^{5}(\beta)\cos(\beta)+2i\sin^{5}(\beta)\cos(\beta)+2i\sin^{5}(\beta)\cos(\beta)+2i\sin^{5}(\beta)\cos(\beta)+2i\sin^{5}(\beta)\cos(\beta)+2i\sin^{5}(\beta)\cos(\beta)+2i\sin^{5}(\beta)\cos(\beta)+2i\sin^{5}(\beta)\cos(\beta)+2i\sin^{5}(\beta)\cos(\beta)+2i\sin^{5}(\beta)\cos(\beta)+2i\sin^{5}(\beta)\cos(\beta)+2i\sin^{5}(\beta)\cos(\beta)+2i\sin^{5}(\beta)\cos(\beta)+2i\sin^{5}(\beta)\cos(\beta)+2i\sin^{5}(\beta)\cos(\beta)+2i\sin^{5}(\beta)\cos(\beta)+2i\sin^{5}(\beta)\cos(\beta)+2i\sin^{5}(\beta)\cos(\beta)+2i\sin^{5}(\beta)\cos(\beta)+2i^{5}(\beta)+2i^{5}(\beta)+2i^{5}(\beta)+2i^{5}(\beta)
+e^{-2i\gamma}\left(\cos^{6}(\beta)-2\sin^{2}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{2}(\beta)-\sin^{6}(\beta)\right)\left(-2ie^{-6i\gamma}\cos^{3}(\beta)\sin^{3}(\beta)+e^{6i\gamma}\left(\cos^{2}(\beta)\sin^{4}(\beta)-\cos^{4}(\beta)\sin^{2}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{2}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{2}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{2}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{2}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{2}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{2}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(
+e^{2i\gamma}\left(2i\sin(\beta)\cos^{5}(\beta)-6\sin^{2}(\beta)\cos^{4}(\beta)-14i\sin^{3}(\beta)\cos^{3}(\beta)+6\sin^{4}(\beta)\cos^{2}(\beta)+2i\sin^{5}(\beta)\cos(\beta)\right)+e^{-2i\gamma}\left(\cos^{6}(\beta)+4i\sin^{3}(\beta)\cos^{3}(\beta)+6\sin^{4}(\beta)\cos^{2}(\beta)+2i\sin^{5}(\beta)\cos(\beta)\right)
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(2ie^{-6i\gamma}\cos^3(\beta)(2ie^{6i\gamma}\cos^3(\beta)\sin^3(\beta) + e^{2i\gamma}(-9\sin^2(\beta)\cos^4(\beta) + 12i\sin^3(\beta)\cos^3(\beta) + 9\sin^4(\beta)\cos^2(\beta))
+e^{-2i\gamma}\left(-6i\sin(\beta)\cos^{5}(\beta)-6\sin^{2}(\beta)\cos^{4}(\beta)+6i\sin^{3}(\beta)\cos^{3}(\beta)+6\sin^{4}(\beta)\cos^{2}(\beta)-6i\sin^{5}(\beta)\cos(\beta)\right)
+e^{-6i\gamma}\left(\cos^{6}(\beta)-\sin^{6}(\beta)\right)\sin^{3}(\beta)+e^{6i\gamma}\left(\cos^{2}(\beta)\sin^{4}(\beta)-\cos^{4}(\beta)\sin^{2}(\beta)\right)\left(2ie^{-6i\gamma}\cos^{3}(\beta)\sin^{3}(\beta)\right)
+e^{-2i\gamma}\left(-9\sin^2(\beta)\cos^4(\beta)+12i\sin^3(\beta)\cos^3(\beta)+9\sin^4(\beta)\cos^2(\beta)\right)
+e^{2i\gamma}\left(-6i\sin(\beta)\cos^{5}(\beta)-6\sin^{2}(\beta)\cos^{4}(\beta)+6i\sin^{3}(\beta)\cos^{3}(\beta)+6\sin^{4}(\beta)\cos^{2}(\beta)-6i\sin^{5}(\beta)\cos(\beta)\right)
+e^{6i\gamma}\left(\cos^6(\beta)-\sin^6(\beta)\right)+e^{-2i\gamma}\left(6\cos^2(\beta)\sin^4(\beta)\right)
  -6\cos^4(\beta)\sin^2(\beta)) \left(e^{6i\gamma}\left(\cos^2(\beta)\sin^4(\beta)-\cos^4(\beta)\sin^2(\beta)\right)+e^{-6i\gamma}\left(-i\sin(\beta)\cos^5(\beta)-i\sin^5(\beta)\cos(\beta)\right)\right)
+e^{2i\gamma}\left(-3i\sin(\beta)\cos^{5}(\beta)-6\sin^{2}(\beta)\cos^{4}(\beta)+12i\sin^{3}(\beta)\cos^{3}(\beta)+6\sin^{4}(\beta)\cos^{2}(\beta)-3i\sin^{5}(\beta)\cos(\beta)\right)
+e^{-2i\gamma}\left(\cos^{6}(\beta)-2i\sin(\beta)\cos^{5}(\beta)-8\sin^{2}(\beta)\cos^{4}(\beta)+8i\sin^{3}(\beta)\cos^{3}(\beta)+8\sin^{4}(\beta)\cos^{2}(\beta)-2i\sin^{5}(\beta)\cos(\beta)-\sin^{6}(\beta)\right)
+e^{2i\gamma}\left(-2i\sin(\beta)\cos^5(\beta)+8i\sin^3(\beta)\cos^3(\beta)\right)
  -2i\sin^5(\beta)\cos(\beta))\left(e^{-6i\gamma}\left(\cos^2(\beta)\sin^4(\beta)-\cos^4(\beta)\sin^2(\beta)\right)+e^{6i\gamma}\left(-i\sin(\beta)\cos^5(\beta)-i\sin^5(\beta)\cos(\beta)\right)\right)
+e^{-2i\gamma}\left(-3i\sin(\beta)\cos^{5}(\beta)-6\sin^{2}(\beta)\cos^{4}(\beta)+12i\sin^{3}(\beta)\cos^{3}(\beta)+6\sin^{4}(\beta)\cos^{2}(\beta)-3i\sin^{5}(\beta)\cos(\beta)\right)
+e^{2i\gamma}\left(\cos^{6}(\beta)-2i\sin(\beta)\cos^{5}(\beta)-8\sin^{2}(\beta)\cos^{4}(\beta)+8i\sin^{3}(\beta)\cos^{3}(\beta)+8\sin^{4}(\beta)\cos^{2}(\beta)-2i\sin^{5}(\beta)\cos(\beta)-\sin^{6}(\beta)\right)
+e^{-2i\gamma}\left(-2i\sin(\beta)\cos^{5}(\beta)+8i\sin^{3}(\beta)\cos^{3}(\beta)-2i\sin^{5}(\beta)\cos(\beta)\right)\left(2ie^{6i\gamma}\cos^{3}(\beta)\sin^{3}(\beta)+e^{-6i\gamma}\left(\cos^{2}(\beta)\sin^{4}(\beta)-\cos^{4}(\beta)\sin^{3}(\beta)+e^{-6i\gamma}\cos^{4}(\beta)\sin^{4}(\beta)-\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}
+e^{2i\gamma}\left(-2i\sin(\beta)\cos^{5}(\beta)-9\sin^{2}(\beta)\cos^{4}(\beta)+8i\sin^{3}(\beta)\cos^{3}(\beta)+9\sin^{4}(\beta)\cos^{2}(\beta)-2i\sin^{5}(\beta)\cos(\beta)\right)+e^{-2i\gamma}\left(\cos^{6}(\beta)-4i\sin^{3}(\beta)\cos^{2}(\beta)-2i\sin^{5}(\beta)\cos(\beta)\right)
+e^{2i\gamma}\left(\cos^{6}(\beta)-5\sin^{2}(\beta)\cos^{4}(\beta)+5\sin^{4}(\beta)\cos^{2}(\beta)-\sin^{6}(\beta)\right)\left(2ie^{-6i\gamma}\cos^{3}(\beta)\sin^{3}(\beta)+e^{6i\gamma}\left(\cos^{2}(\beta)\sin^{4}(\beta)-\cos^{4}(\beta)\sin^{2}(\beta)\right)\right)
+e^{-2i\gamma}\left(-2i\sin(\beta)\cos^{5}(\beta)-9\sin^{2}(\beta)\cos^{4}(\beta)+8i\sin^{3}(\beta)\cos^{3}(\beta)+9\sin^{4}(\beta)\cos^{2}(\beta)-2i\sin^{5}(\beta)\cos(\beta)\right)+e^{2i\gamma}\left(\cos^{6}(\beta)-4i\sin^{3}(\beta)\cos^{3}(\beta)+9\sin^{4}(\beta)\cos^{2}(\beta)-2i\sin^{5}(\beta)\cos(\beta)\right)
+e^{-2i\gamma}\left(3\cos^{2}(\beta)\sin^{4}(\beta)-3\cos^{4}(\beta)\sin^{2}(\beta)\right)\left(2ie^{-6i\gamma}\cos^{3}(\beta)\sin^{3}(\beta)+e^{6i\gamma}\left(\cos^{2}(\beta)\sin^{4}(\beta)-\cos^{4}(\beta)\sin^{2}(\beta)\right)+e^{-6i\gamma}\cos^{4}(\beta)\sin^{2}(\beta)\right)
+e^{2i\gamma}\left(-2i\sin(\beta)\cos^{5}(\beta)-6\sin^{2}(\beta)\cos^{4}(\beta)+14i\sin^{3}(\beta)\cos^{3}(\beta)+6\sin^{4}(\beta)\cos^{2}(\beta)-2i\sin^{5}(\beta)\cos(\beta)\right)+e^{-2i\gamma}\left(\cos^{6}(\beta)-4i\sin^{2}(\beta)\cos^{2}(\beta)-6\sin^{2}(\beta)\cos^{4}(\beta)+14i\sin^{3}(\beta)\cos^{3}(\beta)+6\sin^{4}(\beta)\cos^{2}(\beta)-2i\sin^{5}(\beta)\cos(\beta)\right)+e^{-2i\gamma}\left(\cos^{6}(\beta)-4i\sin^{2}(\beta)\cos^{2}(\beta)-2i\sin^{5}(\beta)\cos(\beta)\right)+e^{-2i\gamma}\left(\cos^{6}(\beta)-4i\sin^{2}(\beta)\cos^{2}(\beta)-2i\sin^{5}(\beta)\cos(\beta)\right)+e^{-2i\gamma}\left(\cos^{6}(\beta)-4i\sin^{2}(\beta)\cos^{2}(\beta)-2i\sin^{5}(\beta)\cos(\beta)\right)+e^{-2i\gamma}\left(\cos^{6}(\beta)-4i\sin^{2}(\beta)\cos^{2}(\beta)-2i\sin^{5}(\beta)\cos(\beta)\right)+e^{-2i\gamma}\left(\cos^{6}(\beta)-4i\sin^{2}(\beta)\cos^{2}(\beta)-2i\sin^{5}(\beta)\cos(\beta)\right)+e^{-2i\gamma}\left(\cos^{6}(\beta)-4i\sin^{2}(\beta)\cos^{2}(\beta)-2i\sin^{5}(\beta)\cos(\beta)\right)+e^{-2i\gamma}\left(\cos^{6}(\beta)-4i\sin^{2}(\beta)\cos^{2}(\beta)-2i\sin^{5}(\beta)\cos(\beta)\right)+e^{-2i\gamma}\left(\cos^{6}(\beta)-4i\sin^{2}(\beta)\cos^{2}(\beta)-2i\sin^{5}(\beta)\cos(\beta)\right)+e^{-2i\gamma}\left(\cos^{6}(\beta)-4i\sin^{2}(\beta)\cos^{2}(\beta)-2i\sin^{5}(\beta)\cos(\beta)\right)+e^{-2i\gamma}\left(\cos^{6}(\beta)-4i\sin^{2}(\beta)\cos(\beta)-2i\sin^{5}(\beta)\cos(\beta)\right)+e^{-2i\gamma}\left(\cos^{6}(\beta)-4i\sin^{2}(\beta)\cos(\beta)-2i\sin^{2}(\beta)\cos(\beta)\right)+e^{-2i\gamma}\left(\cos^{6}(\beta)-4i\sin^{2}(\beta)\cos(\beta)-2i\sin^{2}(\beta)\cos(\beta)\right)+e^{-2i\gamma}\left(\cos^{6}(\beta)-4i\sin^{2}(\beta)\cos(\beta)-2i\sin^{2}(\beta)\cos(\beta)\right)+e^{-2i\gamma}\left(\cos^{6}(\beta)-2i\sin^{6}(\beta)\cos(\beta)\right)+e^{-2i\gamma}\left(\cos^{6}(\beta)-2i\sin^{6}(\beta)\cos(\beta)\right)+e^{-2i\gamma}\left(\cos^{6}(\beta)-2i\sin^{6}(\beta)\cos(\beta)\right)+e^{-2i\gamma}\left(\cos^{6}(\beta)-2i\sin^{6}(\beta)\cos(\beta)\right)+e^{-2i\gamma}\left(\cos^{6}(\beta)-2i\sin^{6}(\beta)\cos(\beta)\right)+e^{-2i\gamma}\left(\cos^{6}(\beta)-2i\sin^{6}(\beta)\cos(\beta)\right)+e^{-2i\gamma}\left(\cos^{6}(\beta)-2i\sin^{6}(\beta)\cos(\beta)\right)+e^{-2i\gamma}\left(\cos^{6}(\beta)-2i\sin^{6}(\beta)\cos(\beta)\right)+e^{-2i\gamma}\left(\cos^{6}(\beta)-2i\sin^{6}(\beta)\cos(\beta)\right)+e^{-2i\gamma}\left(\cos^{6}(\beta)-2i\sin^{6}(\beta)\cos(\beta)\right)+e^{-2i\gamma}\left(\cos^{6}(\beta)-2i\sin^{6}(\beta)\cos(\beta)\right)+e^{-2i\gamma}\left(\cos^{6}(\beta)-2i\sin^{6}(\beta)\cos(\beta)\right)+e^{-2i\gamma}\left(\cos^{6}(\beta)-2i\sin^{6}(\beta)\cos(\beta)\right)+e^{-2i\gamma}\left(\cos^{6}(\beta)-2i\sin^{6}(\beta)\cos(\beta)\right)+e^{-2i\gamma}\left(\cos^{6}(\beta)-2i\sin^{6}(\beta)\cos(\beta)\right)+e^{-2i\gamma}\left(\cos^{6}(\beta)-2i\sin^{6}(\beta)\cos(\beta)\right)+e^{-2i\gamma}\left(\cos^{6}(\beta)-2i\sin^{6}(\beta)\cos(\beta)\right)+e^{-2i\gamma}\left(\cos^{6}(\beta)-2i\sin^{6}(\beta)\cos(\beta)\right)+e^{-2i\gamma}\left(\cos^{6}(\beta)-2i\sin^{6}(\beta)\cos(\beta)\right)+e^{-2i\beta}\left(\cos^{6}(\beta)-2i\sin^{6}(\beta)\cos(\beta)\right)+e^{-2i\beta}\left(\cos^{6}(\beta)-2i\sin^{6}(\beta)\cos(\beta)\right)+e^{-2i\beta}\left(\cos^{6}(\beta)-2i\sin^{6}(\beta)\cos(\beta)\right)+e^{-2i\beta}\left(\cos^{6}(\beta)-2i\sin^{6}(\beta)\cos(\beta)\right)+e^{-2i\beta}\left(\cos^{6}(\beta)-2i\sin^{6}(\beta)\cos(\beta)\right)+e^{-2i\beta}\left(\cos^{6}(\beta)-2i\sin^{6}(\beta)\cos(\beta)\right)+e^{-2i\beta}\left(\cos^{6}(\beta)-2i\sin^{6}(\beta)\right)+e^{-2i\beta}\left(\cos^{6}(\beta)-2i\sin^{6}(\beta)\right)+e^{-2i\beta}\left(\cos^{6}(\beta)-2i\sin^{6}(\beta)\right)+e^{-2i\beta}\left(\cos^{6}(\beta)-2i\sin^{6}(\beta)\right)+e^{-2i\beta}\left(\cos^{6}(\beta)-2i\sin^{6}(\beta)\right)+e^{-2i\beta}\left(\cos^{6}(\beta)-2i\sin^{6}(\beta)\right)+e^{-2i\beta}\left(\cos^{6}(\beta)-2i\sin^{6}(\beta)\right)+e^{-2i\beta}\left(\cos
+e^{2i\gamma}\left(-2i\sin(\beta)\cos^{5}(\beta)+2i\sin^{3}(\beta)\cos^{3}(\beta)-2i\sin^{5}(\beta)\cos(\beta)\right)\left(2ie^{6i\gamma}\cos^{3}(\beta)\sin^{3}(\beta)+e^{-6i\gamma}\left(\cos^{2}(\beta)\sin^{4}(\beta)-\cos^{4}(\beta)\sin^{3}(\beta)+e^{-6i\gamma}\cos^{3}(\beta)\sin^{3}(\beta)+e^{-6i\gamma}\cos^{3}(\beta)\sin^{4}(\beta)-\cos^{4}(\beta)\sin^{4}(\beta)\cos^{3}(\beta)\right)
+e^{-2i\gamma}\left(-2i\sin(\beta)\cos^{5}(\beta)-6\sin^{2}(\beta)\cos^{4}(\beta)+14i\sin^{3}(\beta)\cos^{3}(\beta)+6\sin^{4}(\beta)\cos^{2}(\beta)-2i\sin^{5}(\beta)\cos(\beta)\right)+e^{2i\gamma}\left(\cos^{6}(\beta)-4i\sin^{4}(\beta)\cos^{2}(\beta)-2i\sin^{5}(\beta)\cos(\beta)\right)
+e^{-2i\gamma}\left(-9\sin^{2}(\beta)\cos^{4}(\beta)-12i\sin^{3}(\beta)\cos^{3}(\beta)+9\sin^{4}(\beta)\cos^{2}(\beta)\right)+e^{2i\gamma}\left(6i\sin(\beta)\cos^{5}(\beta)-6\sin^{2}(\beta)\cos^{4}(\beta)-6i\sin^{3}(\beta)\cos^{2}(\beta)+9\sin^{4}(\beta)\cos^{2}(\beta)\right)+e^{2i\gamma}\left(6i\sin(\beta)\cos^{5}(\beta)-6\sin^{2}(\beta)\cos^{4}(\beta)-6i\sin^{3}(\beta)\cos^{4}(\beta)+9\sin^{4}(\beta)\cos^{2}(\beta)\right)+e^{2i\gamma}\left(6i\sin(\beta)\cos^{5}(\beta)-6\sin^{2}(\beta)\cos^{4}(\beta)-6i\sin^{3}(\beta)\cos^{4}(\beta)+9\sin^{4}(\beta)\cos^{2}(\beta)\right)+e^{2i\gamma}\left(6i\sin(\beta)\cos^{5}(\beta)-6\sin^{2}(\beta)\cos^{4}(\beta)-6i\sin^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\right)+e^{2i\gamma}\left(6i\sin(\beta)\cos^{5}(\beta)-6\sin^{4}(\beta)\cos^{4}(\beta)-6i\sin^{4}(\beta)\cos^{4}(\beta)\right)+e^{2i\gamma}\left(6i\sin(\beta)\cos^{5}(\beta)-6\sin^{4}(\beta)\cos^{4}(\beta)-6i\sin^{4}(\beta)\cos^{4}(\beta)\right)+e^{2i\gamma}\left(6i\sin(\beta)\cos^{5}(\beta)-6\sin^{4}(\beta)\cos^{4}(\beta)-6i\sin^{4}(\beta)\cos^{4}(\beta)\right)+e^{2i\gamma}\left(6i\sin(\beta)\cos^{5}(\beta)-6\sin^{4}(\beta)\cos^{4}(\beta)-6i\sin^{4}(\beta)\cos^{4}(\beta)\right)+e^{2i\gamma}\left(6i\sin(\beta)\cos^{5}(\beta)-6i\sin^{4}(\beta)\cos^{5}(\beta)-6i\sin^{4}(\beta)\cos^{5}(\beta)\right)+e^{2i\gamma}\left(6i\sin(\beta)\cos^{5}(\beta)-6i\sin^{4}(\beta)\cos^{5}(\beta)-6i\sin^{5}(\beta)\cos^{5}(\beta)\right)+e^{2i\gamma}\left(6i\sin(\beta)\cos^{5}(\beta)-6i\sin^{5}(\beta)\cos^{5}(\beta)-6i\sin^{5}(\beta)\cos^{5}(\beta)\right)+e^{2i\gamma}\left(6i\sin(\beta)\cos^{5}(\beta)-6i\sin^{5}(\beta)\cos^{5}(\beta)-6i\sin^{5}(\beta)\cos^{5}(\beta)\right)+e^{2i\gamma}\left(6i\sin(\beta)\cos^{5}(\beta)-6i\sin^{5}(\beta)\cos^{5}(\beta)\right)+e^{2i\gamma}\left(6i\sin(\beta)\cos^{5}(\beta)-6i\sin^{5}(\beta)\cos^{5}(\beta)\right)+e^{2i\gamma}\left(6i\sin(\beta)\cos^{5}(\beta)-6i\sin^{5}(\beta)\cos^{5}(\beta)\right)+e^{2i\gamma}\left(6i\sin(\beta)\cos^{5}(\beta)-6i\sin^{5}(\beta)\cos^{5}(\beta)\right)+e^{2i\gamma}\left(6i\sin(\beta)\cos^{5}(\beta)-6i\sin^{5}(\beta)\cos^{5}(\beta)\right)+e^{2i\gamma}\left(6i\sin(\beta)\cos^{5}(\beta)-6i\sin^{5}(\beta)\cos^{5}(\beta)\right)+e^{2i\gamma}\left(6i\sin(\beta)\cos^{5}(\beta)-6i\sin^{5}(\beta)\cos^{5}(\beta)\right)+e^{2i\gamma}\left(6i\sin(\beta)\cos^{5}(\beta)-6i\sin^{5}(\beta)\cos^{5}(\beta)\right)+e^{2i\gamma}\left(6i\sin(\beta)\cos^{5}(\beta)-6i\sin^{5}(\beta)\cos^{5}(\beta)\right)+e^{2i\gamma}\left(6i\sin(\beta)\cos^{5}(\beta)-6i\sin^{5}(\beta)\cos^{5}(\beta)\right)+e^{2i\gamma}\left(6i\sin(\beta)\cos^{5}(\beta)-6i\sin^{5}(\beta)\cos^{5}(\beta)\right)+e^{2i\gamma}\left(6i\sin(\beta)\cos^{5}(\beta)-6i\sin^{5}(\beta)\cos^{5}(\beta)\right)+e^{2i\gamma}\left(6i\sin(\beta)\cos^{5}(\beta)-6i\sin^{5}(\beta)\cos^{5}(\beta)\right)+e^{2i\gamma}\left(6i\sin(\beta)\cos^{5}(\beta)-6i\sin^{5}(\beta)\cos^{5}(\beta)\right)+e^{2i\gamma}\left(6i\sin(\beta)\cos^{5}(\beta)-6i\sin^{5}(\beta)\cos^{5}(\beta)\right)+e^{2i\gamma}\left(6i\sin(\beta)\cos^{5}(\beta)-6i\sin^{5}(\beta)\cos^{5}(\beta)\right)+e^{2i\gamma}\left(6i\sin(\beta)\cos^{5}(\beta)-6i\sin^{5}(\beta)\cos^{5}(\beta)\right)+e^{2i\gamma}\left(6i\sin(\beta)\cos^{5}(\beta)-6i\sin^{5}(\beta)\cos^{5}(\beta)\right)+e^{2i\gamma}\left(6i\sin(\beta)\cos^{5}(\beta)-6i\sin^{5}(\beta)\cos^{5}(\beta)\right)+e^{2i\gamma}\left(6i\sin(\beta)\cos^{5}(\beta)-6i\sin^{5}(\beta)\cos^{5}(\beta)\right)+e^{2i\gamma}\left(6i\sin(\beta)\cos^{5}(\beta)-6i\sin^{5}(\beta)\cos^{5}(\beta)\right)+e^{2i\gamma}\left(6i\sin(\beta)\cos^{5}(\beta)-6i\sin^{5}(\beta)\cos^{5}(\beta)\right)+e^{2i\gamma}\left(6i\sin(\beta)\cos^{5}(\beta)-6i\sin^{5}(\beta)\cos^{5}(\beta)\right)+e^{2i\gamma}\left(6i\sin(\beta)\cos^{5}(\beta)-6i\sin^{5}(\beta)\cos^{5}(\beta)\right)+e^{2i\gamma}\left(6i\sin(\beta)\cos^{5}(\beta)-6i\sin^{5}(\beta)\right)+e^{2i\gamma}\left(6i\sin(\beta)\cos^{5}(\beta)\right)+e^{2i\gamma}\left(
+e^{6i\gamma}\left(\cos^{6}(\beta)-\sin^{6}(\beta)\right)\sin^{3}(\beta)+e^{-6i\gamma}\left(\cos^{2}(\beta)\sin^{4}(\beta)-\cos^{4}(\beta)\sin^{2}(\beta)\right)\left(-2ie^{6i\gamma}\cos^{3}(\beta)\sin^{3}(\beta)+e^{2i\gamma}\left(-9\sin^{2}(\beta)\cos^{4}(\beta)\sin^{2}(\beta)\right)\right)\sin^{3}(\beta)
+e^{-2i\gamma}\left(6i\sin(\beta)\cos^{5}(\beta)-6\sin^{2}(\beta)\cos^{4}(\beta)-6i\sin^{3}(\beta)\cos^{3}(\beta)+6\sin^{4}(\beta)\cos^{2}(\beta)+6i\sin^{5}(\beta)\cos(\beta)\right)+e^{-6i\gamma}\left(\cos^{6}(\beta)-\sin^{4}(\beta)\cos^{3}(\beta)+6\sin^{4}(\beta)\cos^{2}(\beta)+6i\sin^{5}(\beta)\cos(\beta)\right)+e^{-6i\gamma}\left(\cos^{6}(\beta)-\sin^{4}(\beta)\cos^{4}(\beta)-\sin^{4}(\beta)\cos^{3}(\beta)+6\sin^{4}(\beta)\cos^{2}(\beta)+6i\sin^{5}(\beta)\cos(\beta)\right)+e^{-6i\gamma}\left(\cos^{6}(\beta)-\sin^{4}(\beta)\cos^{4}(\beta)-\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)\right)+e^{-6i\gamma}\left(\cos^{6}(\beta)-\sin^{4}(\beta)\cos^{4}(\beta)-\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)\right)+e^{-6i\gamma}\left(\cos^{6}(\beta)-\sin^{4}(\beta)\cos^{4}(\beta)-\sin^{4}(\beta)\cos^{4}(\beta)\right)+e^{-6i\gamma}\left(\cos^{6}(\beta)-\sin^{4}(\beta)\cos^{4}(\beta)-\sin^{4}(\beta)\cos^{4}(\beta)\right)+e^{-6i\gamma}\left(\cos^{6}(\beta)-\sin^{4}(\beta)\cos^{4}(\beta)-\sin^{4}(\beta)\cos^{4}(\beta)\right)+e^{-6i\gamma}\left(\cos^{6}(\beta)-\sin^{4}(\beta)\cos^{4}(\beta)-\sin^{4}(\beta)\cos^{4}(\beta)\right)+e^{-6i\gamma}\left(\cos^{6}(\beta)-\sin^{4}(\beta)\cos^{4}(\beta)-\sin^{4}(\beta)\cos^{4}(\beta)\right)+e^{-6i\gamma}\left(\cos^{6}(\beta)-\sin^{4}(\beta)\cos^{4}(\beta)-\sin^{4}(\beta)\cos^{4}(\beta)\right)+e^{-6i\gamma}\left(\cos^{6}(\beta)-\sin^{4}(\beta)\cos^{4}(\beta)-\sin^{4}(\beta)\cos^{4}(\beta)\right)+e^{-6i\gamma}\left(\cos^{6}(\beta)-\sin^{4}(\beta)\cos^{4}(\beta)-\sin^{4}(\beta)\cos^{4}(\beta)\right)+e^{-6i\gamma}\left(\cos^{6}(\beta)-\sin^{4}(\beta)\cos^{4}(\beta)-\sin^{4}(\beta)\cos^{4}(\beta)\right)+e^{-6i\gamma}\left(\cos^{6}(\beta)-\sin^{4}(\beta)\cos^{4}(\beta)\right)+e^{-6i\gamma}\left(\cos^{6}(\beta)-\sin^{4}(\beta)\cos^{4}(\beta)\right)+e^{-6i\gamma}\left(\cos^{6}(\beta)-\sin^{4}(\beta)\cos^{4}(\beta)\right)+e^{-6i\gamma}\left(\cos^{6}(\beta)-\sin^{4}(\beta)\cos^{4}(\beta)\right)+e^{-6i\gamma}\left(\cos^{6}(\beta)-\sin^{4}(\beta)\cos^{4}(\beta)\right)+e^{-6i\gamma}\left(\cos^{6}(\beta)-\sin^{4}(\beta)\cos^{4}(\beta)\right)+e^{-6i\gamma}\left(\cos^{6}(\beta)-\sin^{4}(\beta)\cos^{4}(\beta)\right)+e^{-6i\gamma}\left(\cos^{6}(\beta)-\sin^{4}(\beta)\cos^{4}(\beta)\right)+e^{-6i\gamma}\left(\cos^{6}(\beta)-\sin^{4}(\beta)\cos^{4}(\beta)\right)+e^{-6i\gamma}\left(\cos^{6}(\beta)-\sin^{4}(\beta)\cos^{4}(\beta)\right)+e^{-6i\gamma}\left(\cos^{6}(\beta)-\sin^{4}(\beta)\cos^{4}(\beta)\right)+e^{-6i\gamma}\left(\cos^{6}(\beta)-\sin^{6}(\beta)\cos^{6}(\beta)\right)+e^{-6i\gamma}\left(\cos^{6}(\beta)-\sin^{6}(\beta)\cos^{6}(\beta)\right)+e^{-6i\gamma}\left(\cos^{6}(\beta)-\sin^{6}(\beta)\cos^{6}(\beta)\right)+e^{-6i\gamma}\left(\cos^{6}(\beta)-\sin^{6}(\beta)\cos^{6}(\beta)\right)+e^{-6i\gamma}\left(\cos^{6}(\beta)-\sin^{6}(\beta)\cos^{6}(\beta)\right)+e^{-6i\gamma}\left(\cos^{6}(\beta)-\sin^{6}(\beta)\cos^{6}(\beta)\right)+e^{-6i\gamma}\left(\cos^{6}(\beta)-\sin^{6}(\beta)\cos^{6}(\beta)\right)+e^{-6i\gamma}\left(\cos^{6}(\beta)-\sin^{6}(\beta)\cos^{6}(\beta)\right)+e^{-6i\gamma}\left(\cos^{6}(\beta)-\sin^{6}(\beta)\cos^{6}(\beta)\right)+e^{-6i\gamma}\left(\cos^{6}(\beta)-\sin^{6}(\beta)\cos^{6}(\beta)\right)+e^{-6i\gamma}\left(\cos^{6}(\beta)-\sin^{6}(\beta)\cos^{6}(\beta)\right)+e^{-6i\gamma}\left(\cos^{6}(\beta)-\sin^{6}(\beta)\cos^{6}(\beta)\right)+e^{-6i\gamma}\left(\cos^{6}(\beta)-\sin^{6}(\beta)\cos^{6}(\beta)\right)+e^{-6i\gamma}\left(\cos^{6}(\beta)-\sin^{6}(\beta)\cos^{6}(\beta)\right)+e^{-6i\gamma}\left(\cos^{6}(\beta)-\sin^{6}(\beta)\cos^{6}(\beta)\right)+e^{-6i\gamma}\left(\cos^{6}(\beta)-\sin^{6}(\beta)\right)+e^{-6i\gamma}\left(\cos^{6}(\beta)-\sin^{6}(\beta)\right)+e^{-6i\gamma}\left(\cos^{6}(\beta)-\sin^{6}(\beta)\right)+e^{-6i\gamma}\left(\cos^{6}(\beta)-\sin^{6}(\beta)\right)+e^{-6i\gamma}\left(\cos^{6}(\beta)-\cos^{6}(\beta)\right)+e^{-6i
+e^{-2i\gamma}\left(2i\sin(\beta)\cos^5(\beta)-8i\sin^3(\beta)\cos^3(\beta)+2i\sin^5(\beta)\cos(\beta)\right)\left(e^{6i\gamma}\left(\cos^2(\beta)\sin^4(\beta)-\cos^4(\beta)\sin^2(\beta)\right)+e^{-6i\gamma}\left(i\sin(\beta)\cos^3(\beta)+2i\sin^5(\beta)\cos(\beta)\right)\right)
+e^{2i\gamma}(3i\sin(\beta)\cos^5(\beta)-6\sin^2(\beta)\cos^4(\beta)-12i\sin^3(\beta)\cos^3(\beta)+6\sin^4(\beta)\cos^2(\beta)+3i\sin^5(\beta)\cos(\beta))+e^{-2i\gamma}(\cos^6(\beta)+2i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^
+e^{2i\gamma}\left(6\cos^2(\beta)\sin^4(\beta)-6\cos^4(\beta)\sin^2(\beta)\right)\left(e^{-6i\gamma}\left(\cos^2(\beta)\sin^4(\beta)-\cos^4(\beta)\sin^2(\beta)\right)+e^{6i\gamma}\left(i\sin(\beta)\cos^5(\beta)+i\sin^5(\beta)\cos(\beta)\sin^4(\beta)\right)+e^{6i\gamma}\left(i\sin(\beta)\cos^2(\beta)\sin^4(\beta)+i\sin^2(\beta)\cos^4(\beta)\sin^4(\beta)\right)+e^{6i\gamma}\left(i\sin(\beta)\cos^4(\beta)\sin^4(\beta)+i\sin^4(\beta)\cos^4(\beta)\sin^4(\beta)\right)+e^{6i\gamma}\left(i\sin(\beta)\cos^4(\beta)\sin^4(\beta)\cos^4(\beta)\sin^4(\beta)\cos^4(\beta)\sin^4(\beta)\right)+e^{6i\gamma}\left(i\sin(\beta)\cos^4(\beta)\sin^4(\beta)\cos^4(\beta)\sin^4(\beta)\cos^4(\beta)\sin^4(\beta)\cos^4(\beta)\sin^4(\beta)\cos^4(\beta)\sin^4(\beta)\cos^4(\beta)\sin^4(\beta)\cos^4(\beta)\sin^4(\beta)\cos^4(\beta)\sin^4(\beta)\cos^4(\beta)\sin^4(\beta)\cos^4(\beta)\sin^4(\beta)\cos^4(\beta)\sin^4(\beta)\cos^4(\beta)\sin^4(\beta)\cos^4(\beta)\sin^4(\beta)\cos^4(\beta)\sin^4(\beta)\cos^4(\beta)\sin^4(\beta)\cos^4(\beta)\sin^4(\beta)\cos^4(\beta)\sin^4(\beta)\cos^4(\beta)\sin^4(\beta)\cos^4(\beta)\sin^4(\beta)\cos^4(\beta)\sin^4(\beta)\cos^4(\beta)\sin^4(\beta)\cos^4(\beta)\sin^4(\beta)\cos^4(\beta)\sin^4(\beta)\cos^4(\beta)\sin^4(\beta)\cos^4(\beta)\sin^4(\beta)\cos^4(\beta)\sin^4(\beta)\cos^4(\beta)\sin^4(\beta)\cos^4(\beta)\sin^4(\beta)\cos^4(\beta)\sin^4(\beta)\cos^4(\beta)\sin^4(\beta)\cos^4(\beta)\sin^4(\beta)\cos^4(\beta)\sin^4(\beta)\cos^4(\beta)\sin^4(\beta)\cos^4(\beta)\sin^4(\beta)\cos^4(\beta)\sin^4(\beta)\cos^4(\beta)\sin^4(\beta)\cos^4(\beta)\sin^4(\beta)\cos^4(\beta)\sin^4(\beta)\cos^4(\beta)\sin^4(\beta)\cos^4(\beta)\sin^4(\beta)\cos^4(\beta)\sin^4(\beta)\cos^4(\beta)\sin^4(\beta)\cos^4(\beta)\sin^4(\beta)\cos^4(\beta)\sin^4(\beta)\cos^4(\beta)\sin^4(\beta)\cos^2(\beta)\sin^4(\beta)\cos^4(\beta)\sin^4(\beta)\cos^4(\beta)\sin^4(\beta)\cos^4(\beta)\sin^4(\beta)\cos^4(\beta)\sin^4(\beta)\cos^4(\beta)\sin^4(\beta)\cos^4(\beta)\sin^4(\beta)\cos^4(\beta)\sin^4(\beta)\cos^4(\beta)\sin^4(\beta)\cos^4(\beta)\sin^4(\beta)\cos^4(\beta)\sin^4(\beta)\cos^4(\beta)\sin^4(\beta)\cos^4(\beta)\sin^4(\beta)\cos^4(\beta)\sin^4(\beta)\sin^4(\beta)\cos^4(\beta)\sin^4(\beta)\cos^4(\beta)\sin^2(\beta)\sin^4(\beta)\sin^4(\beta)\sin^4(\beta)\cos^2(\beta)\sin^4(\beta)\sin^4(\beta)\sin^4(\beta)\sin^4(\beta)\sin^4(\beta)\sin^4(\beta)\sin^4(\beta)\sin^4(\beta)\sin^4(\beta)\sin^4(\beta)\sin^4(\beta)\sin^4(\beta)\sin^4(\beta)\sin^4(\beta)\sin^4(\beta)\sin^4(\beta)\sin^4(\beta)\sin^4(\beta)\sin^4(\beta)\sin^4(\beta)\sin^4(\beta)\sin^4(\beta)\sin^4(\beta)\sin^4(\beta)\sin^4(\beta)\sin^4(\beta)\sin^4(\beta)\sin^2(\beta)\sin^4(\beta)\sin^4(\beta)\sin^4(\beta)\sin^4(\beta)\sin^4(\beta)\sin^4(\beta)\sin^4(\beta)\sin^4(\beta)\sin^4(\beta)\sin^4(\beta)\sin^4(\beta)\sin^4(\beta)\sin^4(\beta)\sin^4(\beta)\sin^4(\beta)\sin^4(\beta)\sin^4(\beta)\sin^4(\beta)\sin^4(\beta)\sin^4(\beta)\sin^4(\beta)\sin^4(\beta)\sin^4(\beta)\sin^4(\beta)\sin^4(\beta)\sin^4(\beta)\sin^4(\beta)\sin^4(\beta)\sin^4(\beta)\sin^4(\beta)\sin^4(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin
+e^{-2i\gamma}(3i\sin(\beta)\cos^5(\beta)-6\sin^2(\beta)\cos^4(\beta)-12i\sin^3(\beta)\cos^3(\beta)+6\sin^4(\beta)\cos^2(\beta)+3i\sin^5(\beta)\cos(\beta))+e^{2i\gamma}(\cos^6(\beta)+2i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)\sin^2(\beta)\cos^2(\beta)\sin^2(\beta)\cos^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^
+e^{-2i\gamma}\left(\cos^{6}(\beta)-5\sin^{2}(\beta)\cos^{4}(\beta)+5\sin^{4}(\beta)\cos^{2}(\beta)-\sin^{6}(\beta)\right)\left(-2ie^{6i\gamma}\cos^{3}(\beta)\sin^{3}(\beta)+e^{-6i\gamma}\left(\cos^{2}(\beta)\sin^{4}(\beta)-\cos^{4}(\beta)\sin^{4}(\beta)\cos^{2}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)+\sin^{4}(\beta)\cos^{2}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos
+e^{2i\gamma}\left(2i\sin(\beta)\cos^{5}(\beta)-9\sin^{2}(\beta)\cos^{4}(\beta)-8i\sin^{3}(\beta)\cos^{3}(\beta)+9\sin^{4}(\beta)\cos^{2}(\beta)+2i\sin^{5}(\beta)\cos(\beta)\right)+e^{-2i\gamma}\left(\cos^{6}(\beta)+4i\sin^{3}(\beta)\cos^{3}(\beta)+9\sin^{4}(\beta)\cos^{2}(\beta)+2i\sin^{5}(\beta)\cos(\beta)\right)
+e^{2i\gamma}\left(2i\sin(\beta)\cos^{5}(\beta)-8i\sin^{3}(\beta)\cos^{3}(\beta)+2i\sin^{5}(\beta)\cos(\beta)\right)\left(-2ie^{-6i\gamma}\cos^{3}(\beta)\sin^{3}(\beta)+e^{6i\gamma}\left(\cos^{2}(\beta)\sin^{4}(\beta)-\cos^{4}(\beta)\sin^{3}(\beta)+e^{6i\gamma}\cos^{3}(\beta)\sin^{4}(\beta)-\cos^{4}(\beta)\sin^{4}(\beta)\cos^{3}(\beta)+e^{6i\gamma}\cos^{3}(\beta)\sin^{4}(\beta)\cos^{3}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta
+e^{-2i\gamma}\left(2i\sin(\beta)\cos^{5}(\beta)-9\sin^{2}(\beta)\cos^{4}(\beta)-8i\sin^{3}(\beta)\cos^{3}(\beta)+9\sin^{4}(\beta)\cos^{2}(\beta)+2i\sin^{5}(\beta)\cos(\beta)\right)+e^{2i\gamma}\left(\cos^{6}(\beta)+4i\sin^{3}(\beta)\cos^{3}(\beta)+9\sin^{4}(\beta)\cos^{2}(\beta)+2i\sin^{5}(\beta)\cos(\beta)\right)+e^{2i\gamma}\left(\cos^{6}(\beta)+4i\sin^{3}(\beta)\cos^{3}(\beta)+9\sin^{4}(\beta)\cos^{2}(\beta)+2i\sin^{5}(\beta)\cos(\beta)\right)+e^{2i\gamma}\left(\cos^{6}(\beta)+4i\sin^{3}(\beta)\cos^{3}(\beta)+9\sin^{4}(\beta)\cos^{2}(\beta)+2i\sin^{5}(\beta)\cos(\beta)\right)+e^{2i\gamma}\left(\cos^{6}(\beta)+4i\sin^{3}(\beta)\cos^{3}(\beta)+9\sin^{4}(\beta)\cos^{2}(\beta)+2i\sin^{5}(\beta)\cos(\beta)\right)+e^{2i\gamma}\left(\cos^{6}(\beta)+4i\sin^{4}(\beta)\cos^{4}(\beta)+3i\sin^{4}(\beta)\cos^{4}(\beta)+3i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos(\beta)\right)+e^{2i\gamma}\left(\cos^{6}(\beta)+4i\sin^{4}(\beta)\cos^{4}(\beta)+3i\sin^{4}(\beta)\cos^{4}(\beta)+3i\sin^{4}(\beta)\cos^{4}(\beta)+3i\sin^{4}(\beta)\cos^{4}(\beta)+3i\sin^{4}(\beta)\cos^{4}(\beta)+3i\sin^{4}(\beta)\cos^{4}(\beta)+3i\sin^{4}(\beta)\cos^{4}(\beta)+3i\sin^{4}(\beta)\cos^{4}(\beta)+3i\sin^{4}(\beta)\cos^{4}(\beta)+3i\sin^{4}(\beta)\cos^{4}(\beta)+3i\sin^{4}(\beta)\cos^{4}(\beta)+3i\sin^{4}(\beta)\cos^{4}(\beta)+3i\sin^{4}(\beta)\cos^{4}(\beta)+3i\sin^{4}(\beta)\cos^{4}(\beta)+3i\sin^{4}(\beta)\cos^{4}(\beta)+3i\sin^{4}(\beta)\cos^{4}(\beta)+3i\sin^{4}(\beta)\cos^{4}(\beta)+3i\sin^{4}(\beta)\cos^{4}(\beta)+3i\sin^{4}(\beta)\cos^{4}(\beta)+3i\sin^{4}(\beta)\cos^{4}(\beta)+3i\sin^{4}(\beta)\cos^{4}(\beta)+3i\sin^{4}(\beta)\cos^{4}(\beta)+3i\sin^{4}(\beta)\cos^{4}(\beta)+3i\sin^{4}(\beta)\cos^{4}(\beta)+3i\sin^{4}(\beta)\cos^{4}(\beta)+3i\sin^{4}(\beta)\cos^{4}(\beta)+3i\sin^{4}(\beta)\cos^{4}(\beta)+3i\sin^{4}(\beta)\cos^{4}(\beta)+3i\sin^{4}(\beta)\cos^{4}(\beta)+3i\sin^{4}(\beta)\cos^{4}(\beta)+3i\sin^{4}(\beta)\cos^{4}(\beta)+3i\sin^{4}(\beta)\cos^{4}(\beta)+3i\sin^{4}(\beta)\cos^{4}(\beta)+3i\sin^{4}(\beta)\cos^{4}(\beta)+3i\sin^{4}(\beta)\cos^{4}(\beta)+3i\sin^{4}(\beta)\cos^{4}(\beta)+3i\sin^{4}(\beta)\cos^{4}(\beta)+3i\sin^{4}(\beta)\cos^{4}(\beta)+3i\sin^{4}(\beta)\cos^{4}(\beta)+3i\sin^{4}(\beta)\cos^{4}(\beta)+3i\sin^{4}(\beta)\cos^{4}(\beta)+3i\sin^{4}(\beta)\cos^{4}(\beta)+3i\sin^{4}(\beta)\cos^{4}(\beta)+3i\sin^{4}(\beta)\cos^{4}(\beta)+3i\sin^{4}(\beta)\cos^{4}(\beta)+3i\sin^{4}(\beta)\cos^{4}(\beta)+3i\sin^{4}(\beta)\cos^{4}(\beta)+3i\sin^{4}(\beta)\cos^{4}(\beta)+3i\sin^{4}(\beta)\cos^{4}(\beta)+3i\sin^{4}(\beta)\cos^{4}(\beta)+3i\sin^{4}(\beta)\cos^{4}(\beta)+3i\sin^{4}(\beta)\cos^{4}(\beta)+3i\sin^{4}(\beta)\cos^{4}(\beta)+3i\sin^{4}(\beta)\cos^{4}(\beta)+3i\sin^{4}(\beta)\cos^{4}(\beta)+3i\sin^{4}(\beta)\cos^{4}(\beta)+3i\sin^{4}(\beta)\cos^{4}(\beta)+3i\sin^{4}(\beta)\cos^{4}(\beta)+3i\sin^{4}(\beta)\cos^{4}(\beta)+3i\sin^{4}(\beta)\cos^{4}(\beta)+3i\sin^{4}(\beta)\cos^{4}(\beta)+3i\sin^{4}(\beta)\cos^{4}(\beta)+3i\sin^{4}(\beta)\cos^{4}(\beta)+3i\sin^{4}(\beta)\cos^{4}(\beta)+3i\sin^{4}(\beta)\cos^{4}(\beta)+3i\sin^{4}(\beta)\cos^{4}(\beta)+3i\sin^{4}(\beta)\cos^{4}(\beta)+3i\sin^{4}(\beta)\cos^{4}(\beta)+3i\sin^{4}(\beta)\cos^{4}(\beta)+3i\sin^{4}(\beta)\cos^{4}(\beta)+3i\sin^{4}(\beta)\cos^{4}(\beta)+3i\sin^{4}(\beta)\cos^{4}(\beta)+3i\sin^{4}(\beta)\cos^{4}(\beta)+3i\sin^{4}(\beta)\cos^{4}(\beta)+3i\sin^{4}(\beta)\cos^{4}(\beta)+3i\sin^{4}(\beta)\cos^{4}(\beta)+3i\sin^{4}(\beta)\cos^{4}(\beta)+3i\sin^{4}(\beta)\cos^{4}(\beta)+3i\sin^{4}(\beta)+3i\sin^{4}(\beta)+3i\sin^{4}(\beta)+3i\sin^{4}(\beta)+3i\sin^{4}(\beta)+3i\sin^{4}(\beta)+
+e^{-2i\gamma}\left(2i\sin(\beta)\cos^{5}(\beta)-2i\sin^{3}(\beta)\cos^{3}(\beta)+2i\sin^{5}(\beta)\cos(\beta)\right)\left(-2ie^{-6i\gamma}\cos^{3}(\beta)\sin^{3}(\beta)+e^{6i\gamma}\left(\cos^{2}(\beta)\sin^{4}(\beta)-\cos^{4}(\beta)\sin^{3}(\beta)+e^{-6i\gamma}\cos^{3}(\beta)\sin^{3}(\beta)+e^{-6i\gamma}\cos^{3}(\beta)\sin^{3}(\beta)+e^{-6i\gamma}\cos^{3}(\beta)\sin^{3}(\beta)+e^{-6i\gamma}\cos^{3}(\beta)\sin^{3}(\beta)+e^{-6i\gamma}\cos^{3}(\beta)\sin^{3}(\beta)+e^{-6i\gamma}\cos^{3}(\beta)\sin^{3}(\beta)+e^{-6i\gamma}\cos^{3}(\beta)\sin^{3}(\beta)+e^{-6i\gamma}\cos^{3}(\beta)\sin^{3}(\beta)+e^{-6i\gamma}\cos^{3}(\beta)\sin^{3}(\beta)+e^{-6i\gamma}\cos^{3}(\beta)\sin^{3}(\beta)+e^{-6i\gamma}\cos^{3}(\beta)\sin^{3}(\beta)+e^{-6i\gamma}\cos^{3}(\beta)\sin^{3}(\beta)+e^{-6i\gamma}\cos^{3}(\beta)\sin^{3}(\beta)+e^{-6i\gamma}\cos^{3}(\beta)\sin^{3}(\beta)+e^{-6i\gamma}\cos^{3}(\beta)\sin^{3}(\beta)+e^{-6i\gamma}\cos^{3}(\beta)\sin^{3}(\beta)+e^{-6i\gamma}\cos^{3}(\beta)\sin^{3}(\beta)+e^{-6i\gamma}\cos^{3}(\beta)\sin^{3}(\beta)+e^{-6i\gamma}\cos^{3}(\beta)\sin^{3}(\beta)+e^{-6i\gamma}\cos^{3}(\beta)\sin^{3}(\beta)+e^{-6i\gamma}\cos^{3}(\beta)\sin^{3}(\beta)+e^{-6i\gamma}\cos^{3}(\beta)\sin^{3}(\beta)+e^{-6i\gamma}\cos^{3}(\beta)\sin^{3}(\beta)+e^{-6i\gamma}\cos^{3}(\beta)\sin^{3}(\beta)+e^{-6i\gamma}\cos^{3}(\beta)\sin^{3}(\beta)+e^{-6i\gamma}\cos^{3}(\beta)\sin^{3}(\beta)+e^{-6i\gamma}\cos^{3}(\beta)\sin^{3}(\beta)+e^{-6i\gamma}\cos^{3}(\beta)\sin^{3}(\beta)+e^{-6i\gamma}\cos^{3}(\beta)\sin^{3}(\beta)+e^{-6i\gamma}\cos^{3}(\beta)\sin^{3}(\beta)+e^{-6i\gamma}\cos^{3}(\beta)\sin^{3}(\beta)+e^{-6i\gamma}\cos^{3}(\beta)\sin^{3}(\beta)+e^{-6i\gamma}\cos^{3}(\beta)\sin^{3}(\beta)+e^{-6i\gamma}\cos^{3}(\beta)\sin^{3}(\beta)+e^{-6i\gamma}\cos^{3}(\beta)\sin^{3}(\beta)+e^{-6i\gamma}\cos^{3}(\beta)\sin^{3}(\beta)+e^{-6i\gamma}\cos^{3}(\beta)\sin^{3}(\beta)\cos^{3}(\beta)\sin^{3}(\beta)+e^{-6i\gamma}\cos^{3}(\beta)\sin^{3}(\beta)\cos^{3}(\beta)\sin^{3}(\beta)\cos^{3}(\beta)\sin^{3}(\beta)\cos^{3}(\beta)\sin^{3}(\beta)+e^{-6i\gamma}\cos^{3}(\beta)\sin^{3}(\beta)\cos^{3}(\beta)\sin^{3}(\beta)\cos^{3}(\beta)\sin^{3}(\beta)\cos^{3}(\beta)\sin^{3}(\beta)\cos^{3}(\beta)\sin^{3}(\beta)\cos^{3}(\beta)\sin^{3}(\beta)\cos^{3}(\beta)\sin^{3}(\beta)\cos^{3}(\beta)\sin^{3}(\beta)\cos^{3}(\beta)\sin^{3}(\beta)\cos^{3}(\beta)\sin^{3}(\beta)\cos^{3}(\beta)\sin^{3}(\beta)\cos^{3}(\beta)\sin^{3}(\beta)\cos^{3}(\beta)\sin^{3}(\beta)\cos^{3}(\beta)\sin^{3}(\beta)\cos^{3}(\beta)\sin^{3}(\beta)\cos^{3}(\beta)\sin^{3}(\beta)\cos^{3}(\beta)\sin^{3}(\beta)\cos^{3}(\beta)\sin^{3}(\beta)\cos^{3}(\beta)\sin^{3}(\beta)\cos^{3}(\beta)\sin^{3}(\beta)\cos^{3}(\beta)\sin^{3}(\beta)\cos^{3}(\beta)\sin^{3}(\beta)\cos^{3}(\beta)\sin^{3}(\beta)\cos^{3}(\beta)\sin^{3}(\beta)\cos^{3}(\beta)\sin^{3}(\beta)\cos^{3}(\beta)\sin^{3}(\beta)\cos^{3}(\beta)\sin^{3}(\beta)\cos^{3}(\beta)\sin^{3}(\beta)\cos^{3}(\beta)\sin^{3}(\beta)\cos^{3}(\beta)\sin^{3}(\beta)\cos^{3}(\beta)\cos^{3}(\beta)\sin^{3}(\beta)\cos^{3}(\beta)\cos^{3}(\beta)\sin^{3}(\beta)\cos^{3}(\beta)\sin^{3}(\beta)\cos^{3}(\beta)\sin^{3}(\beta)\cos^{3}(\beta)\sin^{3}(\beta)\cos^{3}(\beta)\sin^{3}(\beta)\cos^{3}(\beta)\sin^{3}(\beta)\cos^{3}(\beta)\sin^{3}(\beta)\cos^{3}(\beta)\sin^{3}(\beta)\cos^{3}(\beta)\sin^{3}(\beta)\cos^{3}(\beta)\sin^{3}(\beta)\cos^{3}(\beta)\sin^{3}(\beta)\cos^{3}(\beta)\sin^{3}(\beta)\cos^{3}(\beta)\sin^{3}(\beta)\cos^{3}(\beta)\sin^{3}(\beta)\cos^{3}(\beta)\cos^{3}(\beta)\cos^{3}(\beta)\cos^{3}(\beta)\cos^{3}(\beta)\cos^{3}(\beta)\cos^{3}(\beta)\cos^{3}(\beta)\cos^{3}(\beta)\cos^{3}(\beta)\cos^{3}(\beta)\cos^{3}(\beta)\cos^{3}(\beta)\cos^{3}(\beta)\cos^{3}(\beta)\cos^{3}(\beta)\cos^{3}(\beta)\cos^{3}(\beta)\cos^{3}(\beta)
+e^{2i\gamma}(2i\sin(\beta)\cos^{5}(\beta)-6\sin^{2}(\beta)\cos^{4}(\beta)-14i\sin^{3}(\beta)\cos^{3}(\beta)+6\sin^{4}(\beta)\cos^{2}(\beta)+2i\sin^{5}(\beta)\cos(\beta))+e^{-2i\gamma}(\cos^{6}(\beta)+4i\sin^{3}(\beta)\cos^{3}(\beta)+6\sin^{4}(\beta)\cos^{2}(\beta)+2i\sin^{5}(\beta)\cos(\beta))+e^{-2i\gamma}(\cos^{6}(\beta)+4i\sin^{3}(\beta)\cos^{3}(\beta)+6\sin^{4}(\beta)\cos^{2}(\beta)+2i\sin^{5}(\beta)\cos(\beta))+e^{-2i\gamma}(\cos^{6}(\beta)+4i\sin^{3}(\beta)\cos^{3}(\beta)+6\sin^{4}(\beta)\cos^{2}(\beta)+2i\sin^{5}(\beta)\cos(\beta))+e^{-2i\gamma}(\cos^{6}(\beta)+4i\sin^{3}(\beta)\cos^{3}(\beta)+6\sin^{4}(\beta)\cos^{3}(\beta)+6\sin^{4}(\beta)\cos^{3}(\beta)+6\sin^{4}(\beta)\cos^{3}(\beta)+6\sin^{4}(\beta)\cos^{3}(\beta)+6\sin^{4}(\beta)\cos^{3}(\beta)+6\sin^{4}(\beta)\cos^{3}(\beta)+6\sin^{4}(\beta)\cos^{3}(\beta)+6\sin^{4}(\beta)\cos^{3}(\beta)+6\sin^{4}(\beta)\cos^{3}(\beta)+6\sin^{4}(\beta)\cos^{3}(\beta)+6\sin^{4}(\beta)\cos^{3}(\beta)+6\sin^{4}(\beta)\cos^{3}(\beta)+6\sin^{4}(\beta)\cos^{3}(\beta)+6\sin^{4}(\beta)\cos^{3}(\beta)+6\sin^{4}(\beta)\cos^{3}(\beta)+6\sin^{4}(\beta)\cos^{3}(\beta)+6\sin^{4}(\beta)\cos^{3}(\beta)+6\sin^{4}(\beta)\cos^{3}(\beta)+6\sin^{4}(\beta)\cos^{3}(\beta)+6\sin^{4}(\beta)\cos^{3}(\beta)+6\sin^{4}(\beta)\cos^{3}(\beta)+6\sin^{4}(\beta)\cos^{3}(\beta)+6\sin^{4}(\beta)\cos^{3}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)+6\sin^{4}(\beta)+6\sin^{4}(\beta)+6\sin^{4}(\beta)+6\sin^{4}(\beta)+6\sin^{4}(\beta)+6\sin^{4}(\beta)+6\sin^{4}(\beta)+6\sin^{4}(\beta)+6\sin^{4}(\beta)+6\sin^{4}(\beta)+6\sin^{4}(\beta)+6\sin^{4}(\beta)+6\sin^{4}(\beta)+6\sin^{4}(\beta)+6\sin^{4}(\beta)+6\sin^{4}(\beta)+6\sin^{4}(\beta)+6\sin^{4}(\beta)+6\sin^{4}(\beta)+6\sin^{4}(\beta)+6\sin
+e^{2i\gamma} \left(3\cos^2(\beta)\sin^4(\beta) - 3\cos^4(\beta)\sin^2(\beta)\right) \left(-2ie^{6i\gamma}\cos^3(\beta)\sin^3(\beta) + e^{-6i\gamma}\left(\cos^2(\beta)\sin^4(\beta) - \cos^4(\beta)\sin^2(\beta)\right)\right)
+e^{-2i\gamma}(2i\sin(\beta)\cos^5(\beta)-6\sin^2(\beta)\cos^4(\beta)-14i\sin^3(\beta)\cos^3(\beta)+6\sin^4(\beta)\cos^2(\beta)+2i\sin^5(\beta)\cos(\beta))+e^{2i\gamma}(\cos^6(\beta)+4i\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)
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(2ie^{-6i\gamma}\cos^3(\beta)(2ie^{6i\gamma}\cos^3(\beta)\sin^3(\beta) + e^{2i\gamma}(-9\sin^2(\beta)\cos^4(\beta) + 12i\sin^3(\beta)\cos^3(\beta) + 9\sin^4(\beta)\cos^2(\beta))
+e^{-2i\gamma}\left(-6i\sin(\beta)\cos^{5}(\beta)-6\sin^{2}(\beta)\cos^{4}(\beta)+6i\sin^{3}(\beta)\cos^{3}(\beta)+6\sin^{4}(\beta)\cos^{2}(\beta)-6i\sin^{5}(\beta)\cos(\beta)\right)
+e^{-6i\gamma}\left(\cos^6(\beta)-\sin^6(\beta)\right)\sin^3(\beta)
+12ie^{-2i\gamma}\cos^{3}(\beta)\left(2ie^{6i\gamma}\cos^{3}(\beta)\sin^{3}(\beta)+e^{-6i\gamma}\left(\cos^{2}(\beta)\sin^{4}(\beta)-\cos^{4}(\beta)\sin^{2}(\beta)\right)\right)
+e^{2i\gamma}\left(-2i\sin(\beta)\cos^{5}(\beta)-9\sin^{2}(\beta)\cos^{4}(\beta)+8i\sin^{3}(\beta)\cos^{3}(\beta)+9\sin^{4}(\beta)\cos^{2}(\beta)-2i\sin^{5}(\beta)\cos(\beta)\right)
+e^{-2i\gamma}\left(\cos^{6}(\beta)-4i\sin(\beta)\cos^{5}(\beta)-5\sin^{2}(\beta)\cos^{4}(\beta)+10i\sin^{3}(\beta)\cos^{3}(\beta)+5\sin^{4}(\beta)\cos^{2}(\beta)-4i\sin^{5}(\beta)\cos(\beta)-\sin^{6}(\beta)\right)
+6ie^{2i\gamma}\cos^3(\beta)\left(2ie^{6i\gamma}\cos^3(\beta)\sin^3(\beta)+e^{-6i\gamma}\left(\cos^2(\beta)\sin^4(\beta)-\cos^4(\beta)\sin^2(\beta)\right)\right)
+e^{-2i\gamma}\left(-2i\sin(\beta)\cos^{5}(\beta)-6\sin^{2}(\beta)\cos^{4}(\beta)+14i\sin^{3}(\beta)\cos^{3}(\beta)+6\sin^{4}(\beta)\cos^{2}(\beta)-2i\sin^{5}(\beta)\cos(\beta)\right)
+e^{2i\gamma}\left(\cos^{6}(\beta)-4i\sin(\beta)\cos^{5}(\beta)-8\sin^{2}(\beta)\cos^{4}(\beta)+4i\sin^{3}(\beta)\cos^{3}(\beta)+8\sin^{4}(\beta)\cos^{2}(\beta)-4i\sin^{5}(\beta)\cos(\beta)-\sin^{6}(\beta)\right)\sin^{2}(\beta)\cos^{2}(\beta)
+e^{6i\gamma}\left(\cos^6(\beta)-\sin^6(\beta)\right)\left(2ie^{-6i\gamma}\cos^3(\beta)\sin^3(\beta)\right)
+e^{-2i\gamma}\left(-9\sin^2(\beta)\cos^4(\beta)+12i\sin^3(\beta)\cos^3(\beta)+9\sin^4(\beta)\cos^2(\beta)\right)
+e^{2i\gamma}\left(-6i\sin(\beta)\cos^{5}(\beta)-6\sin^{2}(\beta)\cos^{4}(\beta)+6i\sin^{3}(\beta)\cos^{3}(\beta)+6\sin^{4}(\beta)\cos^{2}(\beta)-6i\sin^{5}(\beta)\cos(\beta)\right)
+e^{6i\gamma}\left(\cos^6(\beta)-\sin^6(\beta)\right)
+e^{-2i\gamma} \left(6\cos^2(\beta)\sin^4(\beta) - 6\cos^4(\beta)\sin^2(\beta)\right) \left(e^{6i\gamma} \left(\cos^2(\beta)\sin^4(\beta) - \cos^4(\beta)\sin^2(\beta)\right)\right)
+e^{-6i\gamma}\left(-i\sin(\beta)\cos^{5}(\beta)-i\sin^{5}(\beta)\cos(\beta)\right)+e^{2i\gamma}\left(-3i\sin(\beta)\cos^{5}(\beta)-6\sin^{2}(\beta)\cos^{4}(\beta)+12i\sin^{3}(\beta)\cos^{3}(\beta)+6\sin^{4}(\beta)\cos^{5}(\beta)\right)
+e^{-2i\gamma}\left(\cos^{6}(\beta)-2i\sin(\beta)\cos^{5}(\beta)-8\sin^{2}(\beta)\cos^{4}(\beta)+8i\sin^{3}(\beta)\cos^{3}(\beta)+8\sin^{4}(\beta)\cos^{2}(\beta)-2i\sin^{5}(\beta)\cos(\beta)-\sin^{6}(\beta)\right)
+e^{2i\gamma}\left(-6i\sin(\beta)\cos^5(\beta)-6i\sin^5(\beta)\cos(\beta)\right)\left(e^{-6i\gamma}\left(\cos^2(\beta)\sin^4(\beta)-\cos^4(\beta)\sin^2(\beta)\right)+e^{6i\gamma}\left(-i\sin(\beta)\cos^5(\beta)-i\sin^5(\beta)\cos(\beta)\right)\right)
+e^{-2i\gamma}\left(-3i\sin(\beta)\cos^{5}(\beta)-6\sin^{2}(\beta)\cos^{4}(\beta)+12i\sin^{3}(\beta)\cos^{3}(\beta)+6\sin^{4}(\beta)\cos^{2}(\beta)-3i\sin^{5}(\beta)\cos(\beta)\right)+e^{2i\gamma}\left(\cos^{6}(\beta)-2i\sin^{4}(\beta)\cos^{2}(\beta)-3i\sin^{5}(\beta)\cos^{5}(\beta)\right)
+e^{2i\gamma}\left(6\cos^{2}(\beta)\sin^{4}(\beta)-6\cos^{4}(\beta)\sin^{2}(\beta)\right)\left(2ie^{-6i\gamma}\cos^{3}(\beta)\sin^{3}(\beta)+e^{6i\gamma}\left(\cos^{2}(\beta)\sin^{4}(\beta)-\cos^{4}(\beta)\sin^{2}(\beta)\right)+e^{-2i\gamma}\left(-2i\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)-\cos^{4}(\beta)\sin^{2}(\beta)\right)\right)
+e^{2i\gamma}\left(\cos^{6}(\beta)-4i\sin(\beta)\cos^{5}(\beta)-5\sin^{2}(\beta)\cos^{4}(\beta)+10i\sin^{3}(\beta)\cos^{3}(\beta)+5\sin^{4}(\beta)\cos^{2}(\beta)-4i\sin^{5}(\beta)\cos(\beta)-\sin^{6}(\beta)\right)
+e^{-2i\gamma}\left(3\cos^{2}(\beta)\sin^{4}(\beta)-3\cos^{4}(\beta)\sin^{2}(\beta)\right)\left(2ie^{-6i\gamma}\cos^{3}(\beta)\sin^{3}(\beta)+e^{6i\gamma}\left(\cos^{2}(\beta)\sin^{4}(\beta)-\cos^{4}(\beta)\sin^{2}(\beta)\right)\right)
+e^{2i\gamma}\left(-2i\sin(\beta)\cos^{5}(\beta)-6\sin^{2}(\beta)\cos^{4}(\beta)+14i\sin^{3}(\beta)\cos^{3}(\beta)+6\sin^{4}(\beta)\cos^{2}(\beta)-2i\sin^{5}(\beta)\cos(\beta)\right)+e^{-2i\gamma}\left(\cos^{6}(\beta)-4i\sin^{3}(\beta)\cos^{5}(\beta)-6\sin^{2}(\beta)\cos^{4}(\beta)+14i\sin^{3}(\beta)\cos^{3}(\beta)+6\sin^{4}(\beta)\cos^{2}(\beta)-2i\sin^{5}(\beta)\cos(\beta)\right)+e^{-2i\gamma}\left(\cos^{6}(\beta)-6\sin^{2}(\beta)\cos^{4}(\beta)+14i\sin^{3}(\beta)\cos^{3}(\beta)+6\sin^{4}(\beta)\cos^{2}(\beta)-2i\sin^{5}(\beta)\cos(\beta)\right)+e^{-2i\gamma}\left(\cos^{6}(\beta)-6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^
+e^{-2i\gamma}\left(-9\sin^2(\beta)\cos^4(\beta)-12i\sin^3(\beta)\cos^3(\beta)+9\sin^4(\beta)\cos^2(\beta)\right)+e^{2i\gamma}\left(6i\sin(\beta)\cos^5(\beta)-6\sin^2(\beta)\cos^4(\beta)-6i\sin^3(\beta)\cos^3(\beta)+9\sin^4(\beta)\cos^2(\beta)\right)
+e^{6i\gamma}\left(\cos^6(\beta)-\sin^6(\beta)\right)\sin^3(\beta)
 -12ie^{2i\gamma}\cos^{3}(\beta)\left(-2ie^{-6i\gamma}\cos^{3}(\beta)\sin^{3}(\beta)+e^{6i\gamma}\left(\cos^{2}(\beta)\sin^{4}(\beta)-\cos^{4}(\beta)\sin^{2}(\beta)\right)+e^{-2i\gamma}\left(2i\sin(\beta)\cos^{5}(\beta)-9\sin^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2
+e^{2i\gamma}\left(\cos^{6}(\beta)+4i\sin(\beta)\cos^{5}(\beta)-5\sin^{2}(\beta)\cos^{4}(\beta)-10i\sin^{3}(\beta)\cos^{3}(\beta)+5\sin^{4}(\beta)\cos^{2}(\beta)+4i\sin^{5}(\beta)\cos(\beta)-\sin^{6}(\beta)\right)\right)si
 -6ie^{-2i\gamma}\cos^{3}(\beta)\left(-2ie^{-6i\gamma}\cos^{3}(\beta)\sin^{3}(\beta) + e^{6i\gamma}\left(\cos^{2}(\beta)\sin^{4}(\beta) - \cos^{4}(\beta)\sin^{2}(\beta)\right) + e^{2i\gamma}\left(2i\sin(\beta)\cos^{5}(\beta) - 6\sin^{2}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}
+e^{-2i\gamma}\left(\cos^{6}(\beta)+4i\sin(\beta)\cos^{5}(\beta)-8\sin^{2}(\beta)\cos^{4}(\beta)-4i\sin^{3}(\beta)\cos^{3}(\beta)+8\sin^{4}(\beta)\cos^{2}(\beta)+4i\sin^{5}(\beta)\cos(\beta)-\sin^{6}(\beta)\right)\right)si
+e^{-6i\gamma}\left(\cos^{6}(\beta)-\sin^{6}(\beta)\right)\left(-2ie^{6i\gamma}\cos^{3}(\beta)\sin^{3}(\beta)+e^{2i\gamma}\left(-9\sin^{2}(\beta)\cos^{4}(\beta)-12i\sin^{3}(\beta)\cos^{3}(\beta)+9\sin^{4}(\beta)\cos^{2}(\beta)\right)\right)
+e^{-2i\gamma}\left(6i\sin(\beta)\cos^{5}(\beta)-6\sin^{2}(\beta)\cos^{4}(\beta)-6i\sin^{3}(\beta)\cos^{3}(\beta)+6\sin^{4}(\beta)\cos^{2}(\beta)+6i\sin^{5}(\beta)\cos(\beta)\right)+e^{-6i\gamma}\left(\cos^{6}(\beta)-\sin^{6}(\beta)\cos^{4}(\beta)-6\sin^{4}(\beta)\cos^{3}(\beta)+6\sin^{4}(\beta)\cos^{2}(\beta)+6i\sin^{5}(\beta)\cos(\beta)\right)
+e^{-2i\gamma}\left(6i\sin(\beta)\cos^5(\beta)+6i\sin^5(\beta)\cos(\beta)\right)\left(e^{6i\gamma}\left(\cos^2(\beta)\sin^4(\beta)-\cos^4(\beta)\sin^2(\beta)\right)+e^{-6i\gamma}\left(i\sin(\beta)\cos^5(\beta)+i\sin^5(\beta)\cos(\beta)\right)\right)
+e^{2i\gamma} \left(3i\sin(\beta)\cos^{5}(\beta)-6\sin^{2}(\beta)\cos^{4}(\beta)-12i\sin^{3}(\beta)\cos^{3}(\beta)+6\sin^{4}(\beta)\cos^{2}(\beta)+3i\sin^{5}(\beta)\cos(\beta)\right)+e^{-2i\gamma} \left(\cos^{6}(\beta)+2i\sin^{3}(\beta)\cos^{3}(\beta)+6\sin^{4}(\beta)\cos^{2}(\beta)+3i\sin^{5}(\beta)\cos(\beta)\right)
+e^{2i\gamma}\left(6\cos^{2}(\beta)\sin^{4}(\beta)-6\cos^{4}(\beta)\sin^{2}(\beta)\right)\left(e^{-6i\gamma}\left(\cos^{2}(\beta)\sin^{4}(\beta)-\cos^{4}(\beta)\sin^{2}(\beta)\right)+e^{6i\gamma}\left(i\sin(\beta)\cos^{5}(\beta)+i\sin^{5}(\beta)\cos(\beta)\sin^{4}(\beta)-\cos^{4}(\beta)\sin^{4}(\beta)-\cos^{4}(\beta)\sin^{4}(\beta)-\cos^{4}(\beta)\sin^{4}(\beta)\right)
+e^{-2i\gamma}\left(3i\sin(\beta)\cos^{5}(\beta)-6\sin^{2}(\beta)\cos^{4}(\beta)-12i\sin^{3}(\beta)\cos^{3}(\beta)+6\sin^{4}(\beta)\cos^{2}(\beta)+3i\sin^{5}(\beta)\cos(\beta)\right)+e^{2i\gamma}\left(\cos^{6}(\beta)+2i\sin^{4}(\beta)\cos^{2}(\beta)+3i\sin^{5}(\beta)\cos(\beta)\right)
+e^{-2i\gamma}\left(6\cos^{2}(\beta)\sin^{4}(\beta)-6\cos^{4}(\beta)\sin^{2}(\beta)\right)\left(-2ie^{6i\gamma}\cos^{3}(\beta)\sin^{3}(\beta)+e^{-6i\gamma}\left(\cos^{2}(\beta)\sin^{4}(\beta)-\cos^{4}(\beta)\sin^{2}(\beta)\right)\right)
+e^{2i\gamma} \left(2 i \sin(\beta) \cos^5(\beta) - 9 \sin^2(\beta) \cos^4(\beta) - 8 i \sin^3(\beta) \cos^3(\beta) + 9 \sin^4(\beta) \cos^2(\beta) + 2 i \sin^5(\beta) \cos(\beta)\right) + e^{-2i\gamma} \left(\cos^6(\beta) + 4 i \sin^3(\beta) \cos^2(\beta) + 2 i \sin^5(\beta) \cos(\beta)\right) + e^{-2i\gamma} \left(\cos^6(\beta) + 4 i \sin^3(\beta) \cos^2(\beta) + 2 i \sin^5(\beta) \cos(\beta)\right) + e^{-2i\gamma} \left(\cos^6(\beta) + 2 i \sin^3(\beta) \cos^2(\beta) + 2 i \sin^5(\beta) \cos(\beta)\right) + e^{-2i\gamma} \left(\cos^6(\beta) + 2 i \sin^3(\beta) \cos^2(\beta) + 2 i \sin^5(\beta) \cos(\beta)\right) + e^{-2i\gamma} \left(\cos^6(\beta) + 2 i \sin^5(\beta) \cos(\beta) + 2 i \sin^5(\beta) \cos(\beta)\right) + e^{-2i\gamma} \left(\cos^6(\beta) + 2 i \sin^5(\beta) \cos(\beta) + 2 i \sin^5(\beta) \cos(\beta)\right) + e^{-2i\gamma} \left(\cos^6(\beta) + 2 i \sin^5(\beta) \cos(\beta) + 2 i \sin^5(\beta) \cos(\beta)\right) + e^{-2i\gamma} \left(\cos^6(\beta) + 2 i \sin^5(\beta) \cos(\beta) + 2 i \sin^5(\beta) \cos(\beta)\right) + e^{-2i\gamma} \left(\cos^6(\beta) + 2 i \sin^5(\beta) \cos(\beta) + 2 i \sin^5(\beta) \cos(\beta)\right) + e^{-2i\gamma} \left(\cos^6(\beta) + 2 i \sin^5(\beta) \cos(\beta) + 2 i \sin^5(\beta) \cos(\beta)\right) + e^{-2i\gamma} \left(\cos^6(\beta) + 2 i \sin^5(\beta) \cos(\beta) + 2 i \sin^5(\beta) \cos(\beta)\right) + e^{-2i\gamma} \left(\cos^6(\beta) + 2 i \sin^5(\beta) \cos(\beta) + 2 i \sin^5(\beta) \cos(\beta)\right) + e^{-2i\gamma} \left(\cos^6(\beta) + 2 i \sin^2(\beta) \cos(\beta) + 2 i \sin^2(\beta) \cos(\beta)\right) + e^{-2i\gamma} \left(\cos^6(\beta) + 2 i \sin^2(\beta) \cos(\beta) + 2 i \sin^2(\beta) \cos(\beta)\right) + e^{-2i\gamma} \left(\cos^6(\beta) + 2 i \sin^2(\beta) \cos(\beta) + 2 i \sin^2(\beta) \cos(\beta)\right) + e^{-2i\gamma} \left(\cos^6(\beta) + 2 i \sin^2(\beta) \cos(\beta) + 2 i \sin^2(\beta) \cos(\beta)\right) + e^{-2i\gamma} \left(\cos^6(\beta) + 2 i \sin^2(\beta) \cos(\beta) + 2 i \sin^2(\beta) \cos(\beta)\right) + e^{-2i\gamma} \left(\cos^6(\beta) + 2 i \sin^2(\beta) \cos(\beta) + 2 i \sin^2(\beta) \cos(\beta)\right) + e^{-2i\gamma} \left(\cos^2(\beta) + 2 i \sin^2(\beta) \cos(\beta) + 2 i \sin^2(\beta) \cos(\beta)\right) + e^{-2i\gamma} \left(\cos^2(\beta) + 2 i \sin^2(\beta) \cos(\beta) + 2 i \sin^2(\beta) \cos(\beta)\right) + e^{-2i\gamma} \left(\cos^2(\beta) + 2 i \sin^2(\beta) \cos(\beta) + 2 i \sin^2(\beta) \cos(\beta)\right) + e^{-2i\gamma} \left(\cos^2(\beta) + 2 i \sin^2(\beta) \cos(\beta) + 2 i \sin^2(\beta) \cos(\beta)\right) + e^{-2i\gamma} \left(\cos^2(\beta) + 2 i \sin^2(\beta) \cos(\beta) + 2 i \sin^2(\beta) \cos(\beta)\right) + e^{-2i\gamma} \left(\cos^2(\beta) + 2 i \sin^2(\beta) \cos(\beta) + 2 i \sin^2(\beta) \cos(\beta)\right) + e^{-2i\gamma} \left(\cos^2(\beta) + 2 i \sin^2(\beta) \cos(\beta) + 2 i \sin^2(\beta) \cos(\beta)\right) + e^{-2i\gamma} \left(\cos^2(\beta) + 2 i \sin^2(\beta) \cos(\beta) + 2 i \sin^2(\beta) \cos(\beta)\right) + e^{-2i\gamma} \left(\cos^2(\beta) + 2 i \sin^2(\beta) \cos(\beta) + 2 i \sin^2(\beta) \cos(\beta)\right) + e^{-2i\gamma} \left(\cos^2(\beta) + 2 i \sin^2(\beta) \cos(\beta)\right) + e^{-2
+e^{2i\gamma} \left(3\cos^2(\beta)\sin^4(\beta) - 3\cos^4(\beta)\sin^2(\beta)\right) \left(-2ie^{6i\gamma}\cos^3(\beta)\sin^3(\beta) + e^{-6i\gamma}\left(\cos^2(\beta)\sin^4(\beta) - \cos^4(\beta)\sin^2(\beta)\right)\right)
+e^{-2i\gamma}(2i\sin(\beta)\cos^{5}(\beta)-6\sin^{2}(\beta)\cos^{4}(\beta)-14i\sin^{3}(\beta)\cos^{3}(\beta)+6\sin^{4}(\beta)\cos^{2}(\beta)+2i\sin^{5}(\beta)\cos(\beta))+e^{2i\gamma}(\cos^{6}(\beta)+4i\sin^{3}(\beta)\cos^{3}(\beta)+6\sin^{4}(\beta)\cos^{2}(\beta)+2i\sin^{5}(\beta)\cos(\beta))+e^{2i\gamma}(\cos^{6}(\beta)+4i\sin^{3}(\beta)\cos^{3}(\beta)+6\sin^{4}(\beta)\cos^{2}(\beta)+2i\sin^{5}(\beta)\cos(\beta))+e^{2i\gamma}(\cos^{6}(\beta)+4i\sin^{3}(\beta)\cos^{3}(\beta)+6\sin^{4}(\beta)\cos^{2}(\beta)+6\sin^{4}(\beta)\cos(\beta))+e^{2i\gamma}(\cos^{6}(\beta)+6i\sin^{4}(\beta)\cos^{2}(\beta)+6i\sin^{4}(\beta)\cos(\beta))+e^{2i\gamma}(\cos^{6}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos(\beta))+e^{2i\gamma}(\cos^{6}(\beta)+6i\sin^{4}(\beta)\cos(\beta))+e^{2i\gamma}(\cos^{6}(\beta)+6i\sin^{4}(\beta)\cos(\beta))+e^{2i\gamma}(\cos^{6}(\beta)+6i\sin^{4}(\beta)\cos(\beta))+e^{2i\gamma}(\cos^{6}(\beta)+6i\sin^{4}(\beta)\cos(\beta))+e^{2i\gamma}(\cos^{6}(\beta)+6i\sin^{4}(\beta)\cos(\beta))+e^{2i\gamma}(\cos^{6}(\beta)+6i\sin^{4}(\beta)\cos(\beta))+e^{2i\gamma}(\cos^{6}(\beta)+6i\sin^{4}(\beta)\cos(\beta))+e^{2i\gamma}(\cos^{6}(\beta)+6i\sin^{4}(\beta)\cos(\beta))+e^{2i\gamma}(\cos^{6}(\beta)+6i\sin^{4}(\beta)\cos(\beta))+e^{2i\gamma}(\cos^{6}(\beta)+6i\sin^{4}(\beta)\cos(\beta))+e^{2i\gamma}(\cos^{6}(\beta)+6i\sin^{4}(\beta)\cos(\beta))+e^{2i\gamma}(\cos^{6}(\beta)+6i\sin^{4}(\beta)\cos(\beta))+e^{2i\gamma}(\cos^{6}(\beta)+6i\sin^{6}(\beta)\cos(\beta))+e^{2i\gamma}(\cos^{6}(\beta)+6i\sin^{6}(\beta)\cos(\beta))+e^{2i\gamma}(\cos^{6}(\beta)+6i\sin^{6}(\beta)\cos(\beta))+e^{2i\gamma}(\cos^{6}(\beta)+6i\sin^{6}(\beta)\cos(\beta))+e^{2i\gamma}(\cos^{6}(\beta)+6i\sin^{6}(\beta)\cos(\beta))+e^{2i\gamma}(\cos^{6}(\beta)+6i\sin^{6}(\beta)\cos(\beta))+e^{2i\gamma}(\cos^{6}(\beta)+6i\sin^{6}(\beta)\cos(\beta))+e^{2i\gamma}(\cos^{6}(\beta)+6i\sin^{6}(\beta)\cos(\beta))+e^{2i\gamma}(\cos^{6}(\beta)+6i\sin^{6}(\beta)\cos(\beta))+e^{2i\gamma}(\cos^{6}(\beta)+6i\sin^{6}(\beta)\cos(\beta))+e^{2i\gamma}(\cos^{6}(\beta)+6i\sin^{6}(\beta)\cos(\beta))+e^{2i\gamma}(\cos^{6}(\beta)+6i\sin^{6}(\beta)\cos(\beta))+e^{2i\gamma}(\cos^{6}(\beta)+6i\sin^{6}(\beta)\cos(\beta))+e^{2i\gamma}(\cos^{6}(\beta)+6i\sin^{6}(\beta)\cos(\beta))+e^{2i\gamma}(\cos^{6}(\beta)+6i\sin^{6}(\beta)\cos(\beta))+e^{2i\gamma}(\cos^{6}(\beta)+6i\sin^{6}(\beta)\cos(\beta))+e^{2i\gamma}(\cos^{6}(\beta)+6i\sin^{6}(\beta)\cos(\beta))+e^{2i\gamma}(\cos^{6}(\beta)+6i\sin^{6}(\beta)\cos(\beta))+e^{2i\gamma}(\cos^{6}(\beta)+6i\sin^{6}(\beta)\cos(\beta))+e^{2i\gamma}(\cos^{6}(\beta)+6i\sin^{6}(\beta)\cos(\beta))+e^{2i\gamma}(\cos^{6}(\beta)+6i\sin^{6}(\beta)\cos(\beta))+e^{2i\gamma}(\cos^{6}(\beta)+6i\sin^{6}(\beta)\cos(\beta))+e^{2i\gamma}(\cos^{6}(\beta)+6i\sin^{6}(\beta)\cos(\beta))+e^{2i\gamma}(\cos^{6}(\beta)+6i\sin^{6}(\beta)\cos(\beta)+e^{2i\gamma}(\cos^{6}(\beta)+6i\sin^{6}(\beta)\cos(\beta))+e^{2i\gamma}(\cos^{6}(\beta)+6i\sin^{6}(\beta)\cos(\beta)+e^{2i\gamma}(\cos^{6}(\beta)+6i\sin^{6}(\beta)\cos(\beta)+e^{2i\gamma}(\cos^{6}(\beta)+6i\sin^{6}(\beta))+e^{2i\gamma}(\cos^{6}(\beta)+e^{2i\gamma}(\cos^{6}(\beta)+e^{2i\gamma}(\cos^{6}(\beta)+e^{2i\gamma}(\cos^{6}(\beta)+e^{2i\gamma}(\cos^{6}(\beta)+e^{2i\gamma}(\cos^{6}(\beta)+e^{2i\gamma}(\cos^{6}(\beta)+e^{2i\gamma}(\cos^{6}(\beta)+e^{2i\gamma}(\cos^{6}(\beta)+e^{2i\gamma}(\cos^{6}(\beta)+e^{2i\gamma}(\cos^{6}(\beta)+e^{2i\gamma}(\cos^{6}(\beta)+e^{2i\gamma}(\cos^{6}(\beta)+e^{2i\gamma}(\cos^{6}(\beta)+e^{2i\gamma}(\cos^{6}(\beta)+e^{2i\gamma}(\cos^{6}(\beta)+e^{2i\gamma}(\cos^{6}(\beta)+e^{2i\gamma}(\cos^{6}(\beta)+e^{2i\gamma}(\cos^{6}(\beta
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(e^{7i\gamma}(\cos^7(\beta) - i\sin^7(\beta)))(e^{-5i\gamma}(7\cos^3(\beta)\sin^4(\beta) - 7i\cos^4(\beta)\sin^3(\beta))
 +e^{-i\gamma}\left(-14\sin^2(\beta)\cos^5(\beta)-21i\sin^3(\beta)\cos^4(\beta)+21\sin^4(\beta)\cos^3(\beta)+14i\sin^5(\beta)\cos^2(\beta)\right)
+e^{3i\gamma}(7i\sin(\beta)\cos^6(\beta)-7\sin^2(\beta)\cos^5(\beta)-7i\sin^3(\beta)\cos^4(\beta)+7\sin^4(\beta)\cos^3(\beta)+7i\sin^5(\beta)\cos^2(\beta)-7\sin^6(\beta)\cos(\beta))
 +e^{7i\gamma}\left(\cos^7(\beta)-i\sin^7(\beta)\right)
 +e^{-i\gamma}\left(7\cos^3(\beta)\sin^4(\beta)-7i\cos^4(\beta)\sin^3(\beta)\right)\left(e^{7i\gamma}\left(\cos^3(\beta)\sin^4(\beta)-i\cos^4(\beta)\sin^3(\beta)\right)
+e^{-5i\gamma}\left(-2\sin^2(\beta)\cos^5(\beta)-5i\sin^3(\beta)\cos^4(\beta)+5\sin^4(\beta)\cos^3(\beta)+2i\sin^5(\beta)\cos^2(\beta)\right)
+e^{3i\gamma}\left(i\sin(\beta)\cos^{6}(\beta)-7\sin^{2}(\beta)\cos^{5}(\beta)-13i\sin^{3}(\beta)\cos^{4}(\beta)+13\sin^{4}(\beta)\cos^{3}(\beta)+7i\sin^{5}(\beta)\cos^{2}(\beta)-\sin^{6}(\beta)\cos(\beta)\right)
+e^{-i\gamma}\left(\cos^{7}(\beta)+6i\sin(\beta)\cos^{6}(\beta)-12\sin^{2}(\beta)\cos^{5}(\beta)-16i\sin^{3}(\beta)\cos^{4}(\beta)+16\sin^{4}(\beta)\cos^{3}(\beta)+12i\sin^{5}(\beta)\cos^{2}(\beta)-6\sin^{6}(\beta)\cos^{2}(\beta)+16i\sin^{4}(\beta)\cos^{3}(\beta)+16i\sin^{4}(\beta)\cos^{2}(\beta)+16i\sin^{4}(\beta)\cos^{2}(\beta)+16i\sin^{4}(\beta)\cos^{2}(\beta)+16i\sin^{4}(\beta)\cos^{2}(\beta)+16i\sin^{4}(\beta)\cos^{2}(\beta)+16i\sin^{4}(\beta)\cos^{2}(\beta)+16i\sin^{4}(\beta)\cos^{2}(\beta)+16i\sin^{4}(\beta)\cos^{2}(\beta)+16i\sin^{4}(\beta)\cos^{2}(\beta)+16i\sin^{4}(\beta)\cos^{2}(\beta)+16i\sin^{4}(\beta)\cos^{2}(\beta)+16i\sin^{4}(\beta)\cos^{2}(\beta)+16i\sin^{4}(\beta)\cos^{2}(\beta)+16i\sin^{4}(\beta)\cos^{2}(\beta)+16i\sin^{4}(\beta)\cos^{2}(\beta)+16i\sin^{4}(\beta)\cos^{2}(\beta)+16i\sin^{4}(\beta)\cos^{2}(\beta)+16i\sin^{4}(\beta)\cos^{2}(\beta)+16i\sin^{4}(\beta)\cos^{2}(\beta)+16i\sin^{4}(\beta)\cos^{2}(\beta)+16i\sin^{4}(\beta)\cos^{2}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)+16i\sin^{4}(\beta)+16i\sin^{4}(\beta)+16i\sin^{4}(\beta)+16i\sin^{4}(\beta)+16i\sin^{4}(\beta)+16i\sin^{4}(\beta)+16i\sin^{4}(\beta)+16i\sin^{4}(\beta)+16i\sin^{4}(\beta)+16i\sin^{4}(\beta)+16
 + e^{3i\gamma} \left(7i\cos^2(\beta)\sin^5(\beta) - 7\cos^5(\beta)\sin^2(\beta)\right) \left(e^{7i\gamma} \left(i\cos^2(\beta)\sin^5(\beta) - \cos^5(\beta)\sin^2(\beta)\right)\right)
 +e^{-5i\gamma}\left(-\sin^2(\beta)\cos^5(\beta)-6i\sin^3(\beta)\cos^4(\beta)+6\sin^4(\beta)\cos^3(\beta)+i\sin^5(\beta)\cos^2(\beta)\right)
+e^{-i\gamma}(3i\sin(\beta)\cos^6(\beta)-14\sin^2(\beta)\cos^5(\beta)-18i\sin^3(\beta)\cos^4(\beta)+18\sin^4(\beta)\cos^3(\beta)+14i\sin^5(\beta)\cos^2(\beta)-3\sin^6(\beta)\cos(\beta)
+e^{3i\gamma}\left(\cos^{7}(\beta)+4i\sin(\beta)\cos^{6}(\beta)-5\sin^{2}(\beta)\cos^{5}(\beta)-11i\sin^{3}(\beta)\cos^{4}(\beta)+11\sin^{4}(\beta)\cos^{3}(\beta)+5i\sin^{5}(\beta)\cos^{2}(\beta)-4\sin^{6}(\beta)\cos^{2}(\beta)\right)
 +e^{3i\gamma}\left(7\cos^3(\beta)\sin^4(\beta)-7i\cos^4(\beta)\sin^3(\beta)\right)\left(e^{7i\gamma}\left(\cos^3(\beta)\sin^4(\beta)-i\cos^4(\beta)\sin^3(\beta)\right)
+e^{-5i\gamma}\left(-2\sin^2(\beta)\cos^5(\beta)-5i\sin^3(\beta)\cos^4(\beta)+5\sin^4(\beta)\cos^3(\beta)+2i\sin^5(\beta)\cos^2(\beta)\right)
 +e^{-i\gamma}\left(3i\sin(\beta)\cos^{6}(\beta)-11\sin^{2}(\beta)\cos^{5}(\beta)-21i\sin^{3}(\beta)\cos^{4}(\beta)+21\sin^{4}(\beta)\cos^{3}(\beta)+11i\sin^{5}(\beta)\cos^{2}(\beta)-3\sin^{6}(\beta)\cos(\beta)\right)
 +e^{3i\gamma}(\cos^7(\beta)+4i\sin(\beta)\cos^6(\beta)-8\sin^2(\beta)\cos^5(\beta)-8i\sin^3(\beta)\cos^4(\beta)+8\sin^4(\beta)\cos^3(\beta)+8i\sin^5(\beta)\cos^2(\beta)-4\sin^6(\beta)\cos^6(\beta)
+e^{-i\gamma} \left(14\cos^3(\beta)\sin^4(\beta)-14i\cos^4(\beta)\sin^3(\beta)\right) \left(e^{7i\gamma} \left(\cos^3(\beta)\sin^4(\beta)-i\cos^4(\beta)\sin^3(\beta)\right)\right)
 +e^{3i\gamma}\left(2i\sin(\beta)\cos^{6}(\beta)-8\sin^{2}(\beta)\cos^{5}(\beta)-11i\sin^{3}(\beta)\cos^{4}(\beta)+11\sin^{4}(\beta)\cos^{3}(\beta)+8i\sin^{5}(\beta)\cos^{2}(\beta)-2\sin^{6}(\beta)\cos(\beta)\right)
 +e^{-5i\gamma}\left(i\sin(\beta)\cos^{6}(\beta)-3\sin^{2}(\beta)\cos^{5}(\beta)-3i\sin^{3}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{3}(\beta)+3i\sin^{5}(\beta)\cos^{2}(\beta)-\sin^{6}(\beta)\cos(\beta)\right)
+e^{-i\gamma}\left(\cos^{7}(\beta)+4i\sin(\beta)\cos^{6}(\beta)-10\sin^{2}(\beta)\cos^{5}(\beta)-20i\sin^{3}(\beta)\cos^{4}(\beta)+20\sin^{4}(\beta)\cos^{3}(\beta)+10i\sin^{5}(\beta)\cos^{2}(\beta)-4\sin^{6}(\beta)\cos^{2}(\beta)+20\sin^{4}(\beta)\cos^{2}(\beta)+10i\sin^{5}(\beta)\cos^{2}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\sin^{5}(\beta)+10i\sin^{5}(\beta)\sin^{5}(\beta)+10i\sin^{5}(\beta)\sin^{5}(\beta)+10i\sin^{5}(\beta)\sin^{5}(\beta)+10i\sin^{5}(\beta)+10i\sin^{5}(\beta)+10i\sin^{5}(\beta)+10i\sin^{5}(\beta)+10i\sin^{5}(\beta)+10i\sin^{5}(\beta)+10i\sin^{5}(\beta)+10i\sin^{5}(\beta)+10i\sin^{5}(\beta)+10i\sin^{5}(\beta)+10i\sin^{5}(\beta)+10i
 +e^{-i\gamma} \left(7i\cos^2(\beta)\sin^5(\beta) - 7\cos^5(\beta)\sin^2(\beta)\right) \left(e^{7i\gamma} \left(i\cos^2(\beta)\sin^5(\beta) - \cos^5(\beta)\sin^2(\beta)\right)\right)
+e^{3i\gamma}\left(2i\sin(\beta)\cos^{6}(\beta)-5\sin^{2}(\beta)\cos^{5}(\beta)-14i\sin^{3}(\beta)\cos^{4}(\beta)+14\sin^{4}(\beta)\cos^{3}(\beta)+5i\sin^{5}(\beta)\cos^{2}(\beta)-2\sin^{6}(\beta)\cos(\beta)\right)
+e^{-5i\gamma}\left(i\sin(\beta)\cos^{6}(\beta)-2\sin^{2}(\beta)\cos^{5}(\beta)-4i\sin^{3}(\beta)\cos^{4}(\beta)+4\sin^{4}(\beta)\cos^{3}(\beta)+2i\sin^{5}(\beta)\cos^{2}(\beta)-\sin^{6}(\beta)\cos(\beta)\right)
 +e^{-i\gamma}\left(\cos^{7}(\beta)+4i\sin(\beta)\cos^{6}(\beta)-13\sin^{2}(\beta)\cos^{5}(\beta)-17i\sin^{3}(\beta)\cos^{4}(\beta)+17\sin^{4}(\beta)\cos^{3}(\beta)+13i\sin^{5}(\beta)\cos^{2}(\beta)-4\sin^{6}(\beta)\cos^{6}(\beta)\right)
+e^{-5i\gamma}\left(7\cos^{3}(\beta)\sin^{4}(\beta)-7i\cos^{4}(\beta)\sin^{3}(\beta)\right)\left(e^{7i\gamma}\left(\cos^{3}(\beta)\sin^{4}(\beta)-i\cos^{4}(\beta)\sin^{3}(\beta)\right)+e^{3i\gamma}\left(-6\sin^{2}(\beta)\cos^{5}(\beta)-15i\sin^{3}(\beta)\right)+e^{3i\gamma}\left(-6\sin^{2}(\beta)\cos^{4}(\beta)\sin^{3}(\beta)\right)+e^{3i\gamma}\left(-6\sin^{2}(\beta)\cos^{4}(\beta)\sin^{3}(\beta)\right)+e^{3i\gamma}\left(-6\sin^{2}(\beta)\cos^{4}(\beta)\sin^{3}(\beta)\right)+e^{3i\gamma}\left(-6\sin^{2}(\beta)\cos^{4}(\beta)\sin^{3}(\beta)\right)+e^{3i\gamma}\left(-6\sin^{2}(\beta)\cos^{4}(\beta)\sin^{3}(\beta)\right)+e^{3i\gamma}\left(-6\sin^{2}(\beta)\cos^{4}(\beta)\sin^{3}(\beta)\right)+e^{3i\gamma}\left(-6\sin^{2}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\right)+e^{3i\gamma}\left(-6\sin^{2}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4
 +e^{-i\gamma} \left(5i\sin(\beta)\cos^{6}(\beta)-13\sin^{2}(\beta)\cos^{5}(\beta)-17i\sin^{3}(\beta)\cos^{4}(\beta)+17\sin^{4}(\beta)\cos^{3}(\beta)+13i\sin^{5}(\beta)\cos^{2}(\beta)-5\sin^{6}(\beta)\cos(\beta)\right)
 +e^{-5i\gamma}(\cos^7(\beta)+2i\sin(\beta)\cos^6(\beta)-2\sin^2(\beta)\cos^5(\beta)-2i\sin^3(\beta)\cos^4(\beta)+2\sin^4(\beta)\cos^3(\beta)+2i\sin^5(\beta)\cos^2(\beta)-2\sin^6(\beta)\cos^6(\beta)
+e^{3i\gamma}\left(7i\cos^{6}(\beta)\sin(\beta)-7\cos(\beta)\sin^{6}(\beta)\right)\left(e^{-5i\gamma}\left(-3\sin^{2}(\beta)\cos^{5}(\beta)-4i\sin^{3}(\beta)\cos^{4}(\beta)+4\sin^{4}(\beta)\cos^{3}(\beta)+3i\sin^{5}(\beta)\cos^{2}(\beta)+4\sin^{4}(\beta)\cos^{3}(\beta)+3i\sin^{5}(\beta)\cos^{2}(\beta)+3i\sin^{5}(\beta)\cos^{2}(\beta)+3i\sin^{5}(\beta)\cos^{2}(\beta)+3i\sin^{5}(\beta)\cos^{2}(\beta)+3i\sin^{5}(\beta)\cos^{2}(\beta)+3i\sin^{5}(\beta)\cos^{2}(\beta)+3i\sin^{5}(\beta)\cos^{2}(\beta)+3i\sin^{5}(\beta)\cos^{5}(\beta)+3i\sin^{5}(\beta)\cos^{5}(\beta)+3i\sin^{5}(\beta)\cos^{5}(\beta)+3i\sin^{5}(\beta)\cos^{5}(\beta)+3i\sin^{5}(\beta)\cos^{5}(\beta)+3i\sin^{5}(\beta)\cos^{5}(\beta)+3i\sin^{5}(\beta)\cos^{5}(\beta)+3i\sin^{5}(\beta)\cos^{5}(\beta)+3i\sin^{5}(\beta)\cos^{5}(\beta)+3i\sin^{5}(\beta)\cos^{5}(\beta)+3i\sin^{5}(\beta)\cos^{5}(\beta)+3i\sin^{5}(\beta)\cos^{5}(\beta)+3i\sin^{5}(\beta)\cos^{5}(\beta)+3i\sin^{5}(\beta)\cos^{5}(\beta)+3i\sin^{5}(\beta)\cos^{5}(\beta)+3i\sin^{5}(\beta)\cos^{5}(\beta)+3i\sin^{5}(\beta)\cos^{5}(\beta)+3i\sin^{5}(\beta)\cos^{5}(\beta)+3i\sin^{5}(\beta)\cos^{5}(\beta)+3i\sin^{5}(\beta)\cos^{5}(\beta)+3i\sin^{5}(\beta)\cos^{5}(\beta)+3i\sin^{5}(\beta)\cos^{5}(\beta)+3i\sin^{5}(\beta)\cos^{5}(\beta)+3i\sin^{5}(\beta)\cos^{5}(\beta)+3i\sin^{5}(\beta)\cos^{5}(\beta)+3i\sin^{5}(\beta)\cos^{5}(\beta)+3i\sin^{5}(\beta)\cos^{5}(\beta)+3i\sin^{5}(\beta)\cos^{5}(\beta)+3i\sin^{5}(\beta)\cos^{5}(\beta)+3i\sin^{5}(\beta)\cos^{5}(\beta)+3i\sin^{5}(\beta)\cos^{5}(\beta)+3i\sin^{5}(\beta)\cos^{5}(\beta)+3i\sin^{5}(\beta)\cos^{5}(\beta)+3i\sin^{5}(\beta)\cos^{5}(\beta)+3i\sin^{5}(\beta)\cos^{5}(\beta)+3i\sin^{5}(\beta)\cos^{5}(\beta)+3i\sin^{5}(\beta)\cos^{5}(\beta)+3i\sin^{5}(\beta)\cos^{5}(\beta)+3i\sin^{5}(\beta)\cos^{5}(\beta)+3i\sin^{5}(\beta)\cos^{5}(\beta)+3i\sin^{5}(\beta)\cos^{5}(\beta)+3i\sin^{5}(\beta)\cos^{5}(\beta)+3i\sin^{5}(\beta)\cos^{5}(\beta)+3i\sin^{5}(\beta)\cos^{5}(\beta)+3i\sin^{5}(\beta)\cos^{5}(\beta)+3i\sin^{5}(\beta)\cos^{5}(\beta)+3i\sin^{5}(\beta)\cos^{5}(\beta)+3i\sin^{5}(\beta)\cos^{5}(\beta)+3i\sin^{5}(\beta)\cos^{5}(\beta)+3i\sin^{5}(\beta)\cos^{5}(\beta)+3i\sin^{5}(\beta)\cos^{5}(\beta)+3i\sin^{5}(\beta)\cos^{5}(\beta)+3i\sin^{5}(\beta)\cos^{5}(\beta)+3i\sin^{5}(\beta)\cos^{5}(\beta)+3i\sin^{5}(\beta)\cos^{5}(\beta)+3i\sin^{5}(\beta)\cos^{5}(\beta)+3i\sin^{5}(\beta)\cos^{5}(\beta)+3i\sin^{5}(\beta)\cos^{5}(\beta)+3i\sin^{5}(\beta)\cos^{5}(\beta)+3i\sin^{5}(\beta)\cos^{5}(\beta)+3i\sin^{5}(\beta)\cos^{5}(\beta)+3i\sin^{5}(\beta)\cos^{5}(\beta)+3i\sin^{5}(\beta)\cos^{5}(\beta)+3i\sin^{5}(\beta)\cos^{5}(\beta)+3i\sin^{5}(\beta)\cos^{5}(\beta)+3i\sin^{5}(\beta)\cos^{5}(\beta)+3i\sin^{5}(\beta)\cos^{5}(\beta)+3i\sin^{5}(\beta)\cos^{5}(\beta)+3i\sin^{5}(\beta)\cos^{5}(\beta)+3i\sin^{5}(\beta)\cos^{5}(\beta)+3i\sin^{5}(\beta)\cos^{5}(\beta)+3i\sin^{5}(\beta)\cos^{5}(\beta)+3i\sin^{5}(\beta)\cos^{5}(\beta)+3i\sin^{5}(\beta)\cos^{5}(\beta)+3i\sin^{5}(\beta)+3i\sin^{5}(\beta)+3i\sin^{5}(\beta)+3i\sin^{5}(\beta)+3i\sin^{5}(\beta)+3i\sin^{5}(\beta)+3i\sin^{5}(\beta)+3i\sin^{5}(\beta)+3i\sin^{5}(\beta)+3i\sin^{5}(\beta)+3i\sin^{5}(\beta)+3i\sin^{5}(\beta)+3i\sin^{5}(\beta)+3i\sin^{5}(\beta)+3i\sin^{5}(\beta)+3i\sin^{5}(\beta)+3i\sin^{5}(\beta)+3i\sin^{5}(\beta)+3i\sin^{5}(\beta)+3i\sin^{5}(\beta)+3i\sin^{5}(\beta)+3i\sin^{5}(\beta)+3i\sin^{5}(\beta)+3i\sin^{5}(\beta)+3i\sin^{5}(\beta)+3i\sin^{5}(\beta)+3i\sin^{5}(\beta)+3i\sin^{5}(\beta)+3i\sin^{5}(\beta)+3i\sin^{5}(\beta)+3i\sin^{5}(\beta)+3i\sin^{5}(\beta)+3i\sin^{5}(
+e^{-i\gamma}\left(4i\sin(\beta)\cos^{6}(\beta)-9\sin^{2}(\beta)\cos^{5}(\beta)-22i\sin^{3}(\beta)\cos^{4}(\beta)+22\sin^{4}(\beta)\cos^{3}(\beta)+9i\sin^{5}(\beta)\cos^{2}(\beta)-4\sin^{6}(\beta)\cos(\beta)\right)
 +e^{7i\gamma}(i\cos^6(\beta)\sin(\beta)-\cos(\beta)\sin^6(\beta))+e^{3i\gamma}(\cos^7(\beta)+2i\sin(\beta)\cos^6(\beta)-9\sin^2(\beta)\cos^5(\beta)-9i\sin^3(\beta)\cos^4(\beta)+9\sin^4(\beta)\cos^6(\beta)\sin^6(\beta)\sin^6(\beta)\cos^6(\beta)\sin^6(\beta)\cos^6(\beta)\sin^6(\beta)\cos^6(\beta)\cos^6(\beta)\cos^6(\beta)\cos^6(\beta)\cos^6(\beta)\cos^6(\beta)\cos^6(\beta)\cos^6(\beta)\cos^6(\beta)\cos^6(\beta)\cos^6(\beta)\cos^6(\beta)\cos^6(\beta)\cos^6(\beta)\cos^6(\beta)\cos^6(\beta)\cos^6(\beta)\cos^6(\beta)\cos^6(\beta)\cos^6(\beta)\cos^6(\beta)\cos^6(\beta)\cos^6(\beta)\cos^6(\beta)\cos^6(\beta)\cos^6(\beta)\cos^6(\beta)\cos^6(\beta)\cos^6(\beta)\cos^6(\beta)\cos^6(\beta)\cos^6(\beta)\cos^6(\beta)\cos^6(\beta)\cos^6(\beta)\cos^6(\beta)\cos^6(\beta)\cos^6(\beta)\cos^6(\beta)\cos^6(\beta)\cos^6(\beta)\cos^6(\beta)\cos^6(\beta)\cos^6(\beta)\cos^6(\beta)\cos^6(\beta)\cos^6(\beta)\cos^6(\beta)\cos^6(\beta)\cos^6(\beta)\cos^6(\beta)\cos^6(\beta)\cos^6(\beta)\cos^6(\beta)\cos^6(\beta)\cos^6(\beta)\cos^6(\beta)\cos^6(\beta)\cos^6(\beta)\cos^6(\beta)\cos^6(\beta)\cos^6(\beta)\cos^6(\beta)\cos^6(\beta)\cos^6(\beta)\cos^6(\beta)\cos^6(\beta)\cos^6(\beta)\cos^6(\beta)\cos^6(\beta)\cos^6(\beta)\cos^6(\beta)\cos^6(\beta)\cos^6(\beta)\cos^6(\beta)\cos^6(\beta)\cos^6(\beta)\cos^6(\beta)\cos^6(\beta)\cos^6(\beta)\cos^6(\beta)\cos^6(\beta)\cos^6(\beta)\cos^6(\beta)\cos^6(\beta)\cos^6(\beta)\cos^6(\beta)\cos^6(\beta)\cos^6(\beta)\cos^6(\beta)\cos^6(\beta)\cos^6(\beta)\cos^6(\beta)\cos^6(\beta)\cos^6(\beta)\cos^6(\beta)\cos^6(\beta)\cos^6(\beta)\cos^6(\beta)\cos^6(\beta)\cos^6(\beta)\cos^6(\beta)\cos^6(\beta)\cos^6(\beta)\cos^6(\beta)\cos^6(\beta)\cos^6(\beta)\cos^6(\beta)\cos^6(\beta)\cos^6(\beta)\cos^6(\beta)\cos^6(\beta)\cos^6(\beta)\cos^6(\beta)\cos^6(\beta)\cos^6(\beta)\cos^6(\beta)\cos^6(\beta)\cos^6(\beta)\cos^6(\beta)\cos^6(\beta)\cos^6(\beta)\cos^6(\beta)\cos^6(\beta)\cos^6(\beta)\cos^6(\beta)\cos^6(\beta)\cos^6(\beta)\cos^6(\beta)\cos^6(\beta)\cos^6(\beta)\cos^6(\beta)\cos^6(\beta)\cos^6(\beta)\cos^6(\beta)\cos^6(\beta)\cos^6(\beta)\cos^6(\beta)\cos^6(\beta)\cos^6(\beta)\cos^6(\beta)\cos^6(\beta)\cos^6(\beta)\cos^6(\beta)\cos^6(\beta)\cos^6(\beta)\cos^6(\beta)\cos^6(\beta)\cos^6(\beta)\cos^6(\beta)\cos^6(\beta)\cos^6(\beta)\cos^6(\beta)\cos^6(\beta)\cos^6(\beta)\cos^6(\beta)\cos^6(\beta)\cos^6(\beta)\cos^6(\beta)\cos^6(\beta)\cos^6(\beta)\cos^6(\beta)\cos^6(\beta)\cos^6(\beta)\cos^6(\beta)\cos^6(\beta)\cos^6(\beta)\cos^6(\beta)\cos^6(\beta)\cos^6(\beta)\cos^6(\beta)\cos^6(\beta)\cos^6(\beta)\cos^6(\beta)\cos^6(\beta)\cos^6(\beta)\cos^6(\beta)\cos^6(\beta)\cos^6(\beta)\cos^6(\beta)\cos^6(\beta)\cos^6(\beta)\cos^6(\beta)\cos^6(\beta)\cos^6(\beta)\cos^6(\beta)\cos^6(\beta)\cos^6(\beta)\cos^6(\beta)\cos^6(\beta)\cos^6(\beta)\cos^6(\beta)\cos^6(\beta)\cos^6(\beta)\cos^6(\beta)\cos^6(\beta)\cos^6(\beta)\cos^6(\beta)\cos^6(\beta)\cos^6(\beta)\cos^6(\beta)\cos^6(\beta)\cos^6(\beta)\cos^6(\beta)\cos^6(\beta)\cos^6(\beta)\cos^6(\beta)\cos^6(\beta)\cos^6(\beta)\cos^6(\beta)\cos^6(\beta)\cos^6(\beta)\cos^6(\beta)\cos^6(\beta)\cos^6(\beta)\cos^6(\beta)\cos^6(\beta)\cos^6(\beta)\cos^6(\beta)\cos^6(\beta)\cos^6(\beta)\cos^2(\beta)\cos^6(\beta)\cos^6(\beta)\cos^6(\beta)\cos^6(\beta)\cos^6(\beta)\cos^6(\beta)\cos^6(\beta)\cos^6(\beta)\cos^6(\beta)\cos^6(\beta)\cos^6(\beta)\cos^6(\beta)\cos^6(\beta)\cos^6(\beta)\cos^6(\beta)\cos^6(\beta)\cos^6(\beta)\cos^6(\beta)\cos^6(\beta)\cos^6(\beta)\cos^6(\beta)\cos^6(\beta)\cos^6(\beta)\cos^6(\beta)\cos^6(\beta)\cos^6(\beta)\cos^6(\beta)\cos^6(\beta)\cos^6(\beta)\cos^6(\beta)\cos^6(\beta)\cos^2(\beta)\cos^6(\beta)\cos^6(\beta)\cos^6(\beta)\cos^6(\beta)\cos^6(\beta)\cos^6(\beta)\cos^6(\beta)\cos^6(\beta)\cos^6(\beta)\cos^6(\beta)\cos^6(\beta)\cos^6(\beta)\cos^6(\beta)\cos^6(\beta)\cos^6(\beta)\cos^6(\beta)\cos^6(\beta)\cos^6(\beta)\cos^6(\beta)\cos^6(\beta)\cos^6(\beta)\cos^6(\beta)\cos^6(\beta)\cos^6(\beta)\cos^6(\beta)\cos^6(\beta)\cos^6(\beta)\cos^6(\beta)\cos^6(\beta)\cos^6(\beta)\cos^6(\beta)\cos^6(\beta)\cos^6(\beta)\cos^6(\beta)\cos^6(\beta)\cos^6(\beta)\cos^6(\beta)\cos^6(\beta)\cos^6(\beta)\cos^6(\beta)\cos^6(\beta)\cos^6(\beta)\cos^6(\beta)\cos^6(\beta)\cos^6(\beta)\cos^6(\beta)\cos^6(\beta)\cos^6(\beta)\cos^6(\beta)\cos^6(\beta)\cos^6(\beta)\cos^6(\beta)\cos^6(\beta)\cos^6(\beta)\cos^6(\beta)\cos^6(\beta)\cos^6(\beta)\cos^6(\beta)\cos^6(\beta)\cos^6(\beta)\cos^6(\beta)\cos^6(\beta)\cos^6(\beta)\cos^6
+e^{-i\gamma}\left(7i\cos^{2}(\beta)\sin^{5}(\beta)-7\cos^{5}(\beta)\sin^{2}(\beta)\right)\left(e^{7i\gamma}\left(i\cos^{2}(\beta)\sin^{5}(\beta)-\cos^{5}(\beta)\sin^{2}(\beta)\right)+e^{3i\gamma}\left(3i\sin(\beta)\cos^{6}(\beta)-6\sin^{2}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\right)\right)
+e^{-5i\gamma}\left(2i\sin(\beta)\cos^{6}(\beta)-3\sin^{2}(\beta)\cos^{5}(\beta)-2i\sin^{3}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{3}(\beta)+3i\sin^{5}(\beta)\cos^{2}(\beta)-2\sin^{6}(\beta)\cos(\beta)\right)
 +e^{-i\gamma}\left(\cos^{7}(\beta)+2i\sin(\beta)\cos^{6}(\beta)-11\sin^{2}(\beta)\cos^{5}(\beta)-21i\sin^{3}(\beta)\cos^{4}(\beta)+21\sin^{4}(\beta)\cos^{3}(\beta)+11i\sin^{5}(\beta)\cos^{2}(\beta)-2\sin^{6}(\beta)\cos^{2}(\beta)+2i\sin^{4}(\beta)\cos^{2}(\beta)+2i\sin^{4}(\beta)\cos^{2}(\beta)+2i\sin^{4}(\beta)\cos^{2}(\beta)+2i\sin^{4}(\beta)\cos^{2}(\beta)+2i\sin^{4}(\beta)\cos^{2}(\beta)+2i\sin^{4}(\beta)\cos^{2}(\beta)+2i\sin^{4}(\beta)\cos^{2}(\beta)+2i\sin^{4}(\beta)\cos^{2}(\beta)+2i\sin^{4}(\beta)\cos^{2}(\beta)+2i\sin^{4}(\beta)\cos^{2}(\beta)+2i\sin^{4}(\beta)\cos^{2}(\beta)+2i\sin^{4}(\beta)\cos^{2}(\beta)+2i\sin^{4}(\beta)\cos^{2}(\beta)+2i\sin^{4}(\beta)\cos^{2}(\beta)+2i\sin^{4}(\beta)\cos^{2}(\beta)+2i\sin^{4}(\beta)\cos^{2}(\beta)+2i\sin^{4}(\beta)\cos^{2}(\beta)+2i\sin^{4}(\beta)\cos^{2}(\beta)+2i\sin^{4}(\beta)\cos^{2}(\beta)+2i\sin^{4}(\beta)\cos^{2}(\beta)+2i\sin^{4}(\beta)\cos^{2}(\beta)+2i\sin^{4}(\beta)\cos^{2}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)+2i\sin^{4}(\beta)+2i\sin^{4}(\beta)+2i\sin^{4}(\beta)+2i\sin^{4}(\beta)+2i\sin^{4}(\beta)+2i\sin^{
  (e^{-7i\gamma}(\cos^7(\beta) + i\sin^7(\beta)))(e^{5i\gamma}(7i\sin^3(\beta)\cos^4(\beta) + 7\sin^4(\beta)\cos^3(\beta)) + e^{i\gamma}(-14\sin^2(\beta)\cos^5(\beta) + 21i\sin^3(\beta)\cos^4(\beta) + 21i\sin^2(\beta)\cos^4(\beta) + 21i\sin^2(\beta)\cos^2(\beta) + 21i\sin
 +e^{-3i\gamma}\left(-7i\sin(\beta)\cos^{6}(\beta)-7\sin^{2}(\beta)\cos^{5}(\beta)+7i\sin^{3}(\beta)\cos^{4}(\beta)+7\sin^{4}(\beta)\cos^{3}(\beta)-7i\sin^{5}(\beta)\cos^{2}(\beta)-7\sin^{6}(\beta)\cos(\beta)\right)
 +e^{-7i\gamma}\left(\cos^7(\beta)+i\sin^7(\beta)\right)
+e^{i\gamma}\left(7i\sin^{3}(\beta)\cos^{4}(\beta)+7\sin^{4}(\beta)\cos^{3}(\beta)\right)\left(e^{-7i\gamma}\left(i\sin^{3}(\beta)\cos^{4}(\beta)+\sin^{4}(\beta)\cos^{3}(\beta)\right)+e^{5i\gamma}\left(-2\sin^{2}(\beta)\cos^{5}(\beta)+5i\sin^{3}(\beta)\cos^{4}(\beta)+\sin^{4}(\beta)\cos^{3}(\beta)\right)\right)
+e^{-3i\gamma}\left(-i\sin(\beta)\cos^{6}(\beta)-7\sin^{2}(\beta)\cos^{5}(\beta)+13i\sin^{3}(\beta)\cos^{4}(\beta)+13\sin^{4}(\beta)\cos^{3}(\beta)-7i\sin^{5}(\beta)\cos^{2}(\beta)-\sin^{6}(\beta)\cos(\beta)\right)
+e^{i\gamma}\left(\cos^{7}(\beta)-6i\sin(\beta)\cos^{6}(\beta)-12\sin^{2}(\beta)\cos^{5}(\beta)+16i\sin^{3}(\beta)\cos^{4}(\beta)+16\sin^{4}(\beta)\cos^{3}(\beta)-12i\sin^{5}(\beta)\cos^{2}(\beta)-6\sin^{6}(\beta)\cos^{6}(\beta)\right)
 +e^{-3i\gamma}\left(-7\sin^2(\beta)\cos^5(\beta)-7i\sin^5(\beta)\cos^2(\beta)\right)\left(e^{-7i\gamma}\left(-\sin^2(\beta)\cos^5(\beta)-i\sin^5(\beta)\cos^2(\beta)\right)+e^{5i\gamma}\left(-\sin^2(\beta)\cos^5(\beta)+6i\sin^2(\beta)\cos^2(\beta)\right)
 +e^{i\gamma}\left(-3i\sin(\beta)\cos^{6}(\beta)-14\sin^{2}(\beta)\cos^{5}(\beta)+18i\sin^{3}(\beta)\cos^{4}(\beta)+18\sin^{4}(\beta)\cos^{3}(\beta)-14i\sin^{5}(\beta)\cos^{2}(\beta)-3\sin^{6}(\beta)\cos(\beta)\right)
+e^{-3i\gamma}\left(\cos^{7}(\beta)-4i\sin(\beta)\cos^{6}(\beta)-5\sin^{2}(\beta)\cos^{5}(\beta)+11i\sin^{3}(\beta)\cos^{4}(\beta)+11\sin^{4}(\beta)\cos^{3}(\beta)-5i\sin^{5}(\beta)\cos^{2}(\beta)-4\sin^{6}(\beta)\cos^{6}(\beta)\right)
+e^{-3i\gamma}\left(7i\sin^{3}(\beta)\cos^{4}(\beta)+7\sin^{4}(\beta)\cos^{3}(\beta)\right)\left(e^{-7i\gamma}\left(i\sin^{3}(\beta)\cos^{4}(\beta)+\sin^{4}(\beta)\cos^{3}(\beta)\right)+e^{5i\gamma}\left(-2\sin^{2}(\beta)\cos^{5}(\beta)+5i\sin^{3}(\beta)\cos^{4}(\beta)+7\sin^{4}(\beta)\cos^{3}(\beta)\right)+e^{-7i\gamma}\left(i\sin^{3}(\beta)\cos^{4}(\beta)+\sin^{4}(\beta)\cos^{3}(\beta)\right)+e^{-7i\gamma}\left(i\sin^{3}(\beta)\cos^{4}(\beta)+\sin^{4}(\beta)\cos^{3}(\beta)\right)+e^{-7i\gamma}\left(i\sin^{3}(\beta)\cos^{4}(\beta)+\sin^{4}(\beta)\cos^{3}(\beta)\right)+e^{-7i\gamma}\left(i\sin^{3}(\beta)\cos^{4}(\beta)+\sin^{4}(\beta)\cos^{3}(\beta)\right)+e^{-7i\gamma}\left(i\sin^{3}(\beta)\cos^{4}(\beta)+\sin^{4}(\beta)\cos^{3}(\beta)\right)+e^{-7i\gamma}\left(i\sin^{3}(\beta)\cos^{4}(\beta)+\sin^{4}(\beta)\cos^{3}(\beta)\right)+e^{-7i\gamma}\left(i\sin^{3}(\beta)\cos^{4}(\beta)+\sin^{4}(\beta)\cos^{3}(\beta)\right)+e^{-7i\gamma}\left(i\sin^{3}(\beta)\cos^{4}(\beta)+\sin^{4}(\beta)\cos^{3}(\beta)\right)+e^{-7i\gamma}\left(i\sin^{3}(\beta)\cos^{4}(\beta)+\sin^{4}(\beta)\cos^{3}(\beta)\right)+e^{-7i\gamma}\left(i\sin^{4}(\beta)\cos^{4}(\beta)+\sin^{4}(\beta)\cos^{4}(\beta)\right)+e^{-7i\gamma}\left(i\sin^{4}(\beta)\cos^{4}(\beta)+\sin^{4}(\beta)\cos^{4}(\beta)\right)+e^{-7i\gamma}\left(i\sin^{4}(\beta)\cos^{4}(\beta)+\sin^{4}(\beta)\cos^{4}(\beta)\right)+e^{-7i\gamma}\left(i\sin^{4}(\beta)\cos^{4}(\beta)+\sin^{4}(\beta)\cos^{4}(\beta)\right)+e^{-7i\gamma}\left(i\sin^{4}(\beta)\cos^{4}(\beta)+\sin^{4}(\beta)\cos^{4}(\beta)\right)+e^{-7i\gamma}\left(i\sin^{4}(\beta)\cos^{4}(\beta)+\sin^{4}(\beta)\cos^{4}(\beta)\right)+e^{-7i\gamma}\left(i\sin^{4}(\beta)\cos^{4}(\beta)+\sin^{4}(\beta)\cos^{4}(\beta)\right)+e^{-7i\gamma}\left(i\sin^{4}(\beta)\cos^{4}(\beta)+\sin^{4}(\beta)\cos^{4}(\beta)\right)+e^{-7i\gamma}\left(i\sin^{4}(\beta)\cos^{4}(\beta)+\sin^{4}(\beta)\cos^{4}(\beta)\right)+e^{-7i\gamma}\left(i\sin^{4}(\beta)\cos^{4}(\beta)+\sin^{4}(\beta)\cos^{4}(\beta)\right)+e^{-7i\gamma}\left(i\sin^{4}(\beta)\cos^{4}(\beta)+\sin^{4}(\beta)\cos^{4}(\beta)\right)+e^{-7i\gamma}\left(i\sin^{4}(\beta)\cos^{4}(\beta)+\sin^{4}(\beta)\cos^{4}(\beta)\right)+e^{-7i\gamma}\left(i\sin^{4}(\beta)\cos^{4}(\beta)+\sin^{4}(\beta)\cos^{4}(\beta)\right)+e^{-7i\gamma}\left(i\sin^{4}(\beta)\cos^{4}(\beta)+\sin^{4}(\beta)\cos^{4}(\beta)\right)+e^{-7i\gamma}\left(i\sin^{4}(\beta)\cos^{4}(\beta)+\sin^{4}(\beta)\cos^{4}(\beta)\right)+e^{-7i\gamma}\left(i\sin^{4}(\beta)\cos^{4}(\beta)+\sin^{4}(\beta)\cos^{4}(\beta)\right)+e^{-7i\gamma}\left(i\sin^{4}(\beta)\cos^{4}(\beta)+\sin^{4}(\beta)\cos^{4}(\beta)\right)+e^{-7i\gamma}\left(i\sin^{4}(\beta)\cos^{4}(\beta)+\sin^{4}(\beta)\cos^{4}(\beta)\right)+e^{-7i\gamma}\left(i\sin^{4}(\beta)\cos^{4}(\beta)+\sin^{4}(\beta)\cos^{4}(\beta)\right)+e^{-7i\gamma}\left(i\sin^{4}(\beta)\cos^{4}(\beta)+\sin^{4}(\beta)\cos^{4}(\beta)\right)+e^{-7i\gamma}\left(i\sin^{4}(\beta)\cos^{4}(\beta)+\sin^{4}(\beta)\cos^{4}(\beta)\right)+e^{-7i\gamma}\left(i\sin^{4}(\beta)\cos^{4}(\beta)+\sin^{4}(\beta)\cos^{4}(\beta)\right)+e^{-7i\gamma}\left(i\sin^{4}(\beta)\cos^{4}(\beta)+\sin^{4}(\beta)\cos^{4}(\beta)\right)+e^{-7i\gamma}\left(i\sin^{4}(\beta)\cos^{4}(\beta)+\sin^{4}(\beta)\cos^{4}(\beta)\right)+e^{-7i\gamma}\left(i\sin^{4}(\beta)\cos^{4}(\beta)+\sin^{4}(\beta)\cos^{4}(\beta)\right)+e^{-7i\gamma}\left(i\sin^{4}(\beta)\cos^{4}(\beta)+\sin^{4}(\beta)\cos^{4}(\beta)\right)+e^{-7i\gamma}\left(i\sin^{4}(\beta)\cos^{4}(\beta)+\sin^{4}(\beta)\cos^{4}(\beta)\right)+e^{-7i\gamma}\left(i\sin^{4}(\beta)\cos^{4}(\beta)+\sin^{4}(\beta)\cos^{4}(\beta)\right)+e^{-7i\gamma}\left(i\sin^{4}(\beta)\cos^{4}(\beta)+\sin^{4}(\beta)\cos^{4}(\beta)\right)+e^{-7i\gamma}\left(i\sin^{4}(\beta)\cos^{4}(\beta)+\sin^{4}(\beta)\cos^{4}(\beta)\right)+e^{-7i\gamma}\left(i\sin^{4}(\beta)\cos^{4}(\beta)+\sin^{4}(\beta)\cos^{4}(\beta)\right)
+e^{i\gamma}\left(-3i\sin(\beta)\cos^{6}(\beta)-11\sin^{2}(\beta)\cos^{5}(\beta)+21i\sin^{3}(\beta)\cos^{4}(\beta)+21\sin^{4}(\beta)\cos^{3}(\beta)-11i\sin^{5}(\beta)\cos^{2}(\beta)-3\sin^{6}(\beta)\cos^{6}(\beta)\right)
+e^{-3i\gamma}\left(\cos^{7}(\beta)-4i\sin(\beta)\cos^{6}(\beta)-8\sin^{2}(\beta)\cos^{5}(\beta)+8i\sin^{3}(\beta)\cos^{4}(\beta)+8\sin^{4}(\beta)\cos^{3}(\beta)-8i\sin^{5}(\beta)\cos^{2}(\beta)-4\sin^{6}(\beta)\cos^{5}(\beta)+8i\sin^{3}(\beta)\cos^{4}(\beta)+8\sin^{4}(\beta)\cos^{3}(\beta)-8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{4}(\beta)\cos^{5}(\beta)+8i\sin^{4}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)+8i\sin^{5}(\beta)+8i\sin^{5}(\beta)+8i\sin^{5}(\beta)+8i\sin^{5}(\beta)+8i\sin^{5}(\beta)+8i\sin^{5}(\beta)+8i\sin^{5}(\beta)+8i\sin^{5}(\beta)+8i\sin^{5}(\beta)+8i\sin^{5}(\beta)+8i\sin^{5}(\beta)+8i\sin^{5}(\beta)+8i\sin^{5}(
+e^{i\gamma}\left(14i\sin^{3}(\beta)\cos^{4}(\beta)+14\sin^{4}(\beta)\cos^{3}(\beta)\right)\left(e^{-7i\gamma}\left(i\sin^{3}(\beta)\cos^{4}(\beta)+\sin^{4}(\beta)\cos^{3}(\beta)\right)+e^{-3i\gamma}\left(-2i\sin(\beta)\cos^{6}(\beta)-8\sin^{2}(\beta)\cos^{4}(\beta)+\sin^{4}(\beta)\cos^{4}(\beta)+\sin^{4}(\beta)\cos^{4}(\beta)+\sin^{4}(\beta)\cos^{4}(\beta)+\sin^{4}(\beta)\cos^{4}(\beta)+\sin^{4}(\beta)\cos^{4}(\beta)+\sin^{4}(\beta)\cos^{4}(\beta)+\sin^{4}(\beta)\cos^{4}(\beta)+\sin^{4}(\beta)\cos^{4}(\beta)+\sin^{4}(\beta)\cos^{4}(\beta)+\sin^{4}(\beta)\cos^{4}(\beta)+\sin^{4}(\beta)\cos^{4}(\beta)+\sin^{4}(\beta)\cos^{4}(\beta)+\sin^{4}(\beta)\cos^{4}(\beta)+\sin^{4}(\beta)\cos^{4}(\beta)+\sin^{4}(\beta)\cos^{4}(\beta)+\sin^{4}(\beta)\cos^{4}(\beta)+\sin^{4}(\beta)\cos^{4}(\beta)+\sin^{4}(\beta)\cos^{4}(\beta)+\sin^{4}(\beta)\cos^{4}(\beta)+\sin^{4}(\beta)\cos^{4}(\beta)+\sin^{4}(\beta)\cos^{4}(\beta)+\sin^{4}(\beta)\cos^{4}(\beta)+\sin^{4}(\beta)\cos^{4}(\beta)+\sin^{4}(\beta)\cos^{4}(\beta)+\sin^{4}(\beta)\cos^{4}(\beta)+\sin^{4}(\beta)\cos^{4}(\beta)+\sin^{4}(\beta)\cos^{4}(\beta)+\sin^{4}(\beta)\cos^{4}(\beta)+\sin^{4}(\beta)\cos^{4}(\beta)+\sin^{4}(\beta)\cos^{4}(\beta)+\sin^{4}(\beta)\cos^{4}(\beta)+\sin^{4}(\beta)\cos^{4}(\beta)+\sin^{4}(\beta)\cos^{4}(\beta)+\sin^{4}(\beta)\cos^{4}(\beta)+\sin^{4}(\beta)\cos^{4}(\beta)+\sin^{4}(\beta)\cos^{4}(\beta)+\sin^{4}(\beta)\cos^{4}(\beta)+\sin^{4}(\beta)\cos^{4}(\beta)+\sin^{4}(\beta)\cos^{4}(\beta)+\sin^{4}(\beta)\cos^{4}(\beta)+\sin^{4}(\beta)\cos^{4}(\beta)+\sin^{4}(\beta)\cos^{4}(\beta)+\sin^{4}(\beta)\cos^{4}(\beta)+\sin^{4}(\beta)\cos^{4}(\beta)+\sin^{4}(\beta)\cos^{4}(\beta)+\sin^{4}(\beta)\cos^{4}(\beta)+\sin^{4}(\beta)\cos^{4}(\beta)+\sin^{4}(\beta)\cos^{4}(\beta)+\sin^{4}(\beta)\cos^{4}(\beta)+\sin^{4}(\beta)\cos^{4}(\beta)+\sin^{4}(\beta)\cos^{4}(\beta)+\sin^{4}(\beta)\cos^{4}(\beta)+\sin^{4}(\beta)\cos^{4}(\beta)+\sin^{4}(\beta)\cos^{4}(\beta)+\sin^{4}(\beta)\cos^{4}(\beta)+\sin^{4}(\beta)\cos^{4}(\beta)+\sin^{4}(\beta)\cos^{4}(\beta)+\sin^{4}(\beta)\cos^{4}(\beta)+\sin^{4}(\beta)\cos^{4}(\beta)+\sin^{4}(\beta)\cos^{4}(\beta)+\sin^{4}(\beta)\cos^{4}(\beta)+\sin^{4}(\beta)\cos^{4}(\beta)+\sin^{4}(\beta)\cos^{4}(\beta)+\sin^{4}(\beta)\cos^{4}(\beta)+\sin^{4}(\beta)\cos^{4}(\beta)+\sin^{4}(\beta)\cos^{4}(\beta)+\sin^{4}(\beta)\cos^{4}(\beta)+\sin^{4}(\beta)\cos^{4}(\beta)+\sin^{4}(\beta)\cos^{4}(\beta)+\sin^{4}(\beta)\cos^{4}(\beta)+\sin^{4}(\beta)\cos^{4}(\beta)+\sin^{4}(\beta)\cos^{4}(\beta)+\sin^{4}(\beta)\cos^{4}(\beta)+\sin^{4}(\beta)\cos^{4}(\beta)+\sin^{4}(\beta)\cos^{4}(\beta)+\sin^{4}(\beta)\cos^{4}(\beta)+\sin^{4}(\beta)\cos^{4}(\beta)+\sin^{4}(\beta)\cos^{4}(\beta)+\sin^{4}(\beta)\cos^{4}(\beta)+\sin^{4}(\beta)\cos^{4}(\beta)+\sin^{4}(\beta)\cos^{4}(\beta)+\sin^{4}(\beta)\cos^{4}(\beta)+\sin^{4}(\beta)\cos^{4}(\beta)+\sin^{4}(\beta)\cos^{4}(\beta)+\sin^{4}(\beta)\cos^{4}(\beta)+\sin^{4}(\beta)\cos^{4}(\beta)+\sin^{4}(\beta)\cos^{4}(\beta)+\sin^{4}(\beta)\cos^{4}(\beta)+\sin^{4}(\beta)\cos^{4}(\beta)+\sin^{4}(\beta)\cos^{4}(\beta)+\sin^{4}(\beta)\cos^{4}(\beta)+\sin^{4}(\beta)\cos^{4}(\beta)+\sin^{4}(\beta)\cos^{4}(\beta)+\sin^{4}(\beta)\cos^{4}(\beta)+\sin^{4}(\beta)\cos^{4}(\beta)+\sin^{4}(\beta)\cos^{4}(\beta)+\sin^{4}(\beta)\cos^{4}(\beta)+\sin^{4}(\beta)\cos^{4}(\beta)+\sin^{4}(\beta)\cos^{4}(\beta)+\sin^{4}(\beta)\cos^{4}(\beta)+\sin^{4}(\beta)\cos^{4}(\beta)+\sin^{4}(\beta)\cos^{4}(\beta)+\sin^{4}(\beta)\cos^{4}(\beta)+\sin^{4}(\beta)\cos^{4}(\beta)+\sin^{4}(\beta)\cos^{4}(\beta)+\sin^{4}(\beta)\cos^{4}(\beta)+\sin^{4}(\beta)\cos^{4}(\beta)+\sin^{4}(\beta)\cos^{4}(\beta)+\sin^{4}(\beta)\cos^{4}(\beta)+\sin^{4}(\beta)\cos^{4}(\beta)+\sin^{4}(\beta)\cos^{4}(\beta)+\sin^{4}(\beta)\cos^{4}(\beta
 +e^{5i\gamma}\left(-i\sin(\beta)\cos^{6}(\beta)-3\sin^{2}(\beta)\cos^{5}(\beta)+3i\sin^{3}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{3}(\beta)-3i\sin^{5}(\beta)\cos^{2}(\beta)-\sin^{6}(\beta)\cos(\beta)\right)
+e^{i\gamma}\left(\cos^{7}(\beta)-4i\sin(\beta)\cos^{6}(\beta)-10\sin^{2}(\beta)\cos^{5}(\beta)+20i\sin^{3}(\beta)\cos^{4}(\beta)+20\sin^{4}(\beta)\cos^{3}(\beta)-10i\sin^{5}(\beta)\cos^{2}(\beta)-4\sin^{6}(\beta)\cos^{6}(\beta)\right)
+e^{i\gamma}\left(-7\sin^{2}(\beta)\cos^{5}(\beta)-7i\sin^{5}(\beta)\cos^{2}(\beta)\right)\left(e^{-7i\gamma}\left(-\sin^{2}(\beta)\cos^{5}(\beta)-i\sin^{5}(\beta)\cos^{2}(\beta)\right)+e^{-3i\gamma}\left(-2i\sin(\beta)\cos^{6}(\beta)-5\sin^{2}(\beta)\cos^{2}(\beta)\right)\right)
+e^{5i\gamma}\left(-i\sin(\beta)\cos^{6}(\beta)-2\sin^{2}(\beta)\cos^{5}(\beta)+4i\sin^{3}(\beta)\cos^{4}(\beta)+4\sin^{4}(\beta)\cos^{3}(\beta)-2i\sin^{5}(\beta)\cos^{2}(\beta)-\sin^{6}(\beta)\cos(\beta)\right)
+e^{i\gamma}\left(\cos^{7}(\beta)-4i\sin(\beta)\cos^{6}(\beta)-13\sin^{2}(\beta)\cos^{5}(\beta)+\frac{1}{27}i\sin^{3}(\beta)\cos^{4}(\beta)+17\sin^{4}(\beta)\cos^{3}(\beta)-13i\sin^{5}(\beta)\cos^{2}(\beta)-4\sin^{6}(\beta)\cos^{2}(\beta)+\frac{1}{27}i\sin^{3}(\beta)\cos^{4}(\beta)+17\sin^{4}(\beta)\cos^{3}(\beta)-13i\sin^{5}(\beta)\cos^{2}(\beta)-4\sin^{6}(\beta)\cos^{4}(\beta)+17\sin^{4}(\beta)\cos^{3}(\beta)-13i\sin^{5}(\beta)\cos^{2}(\beta)+\frac{1}{27}i\sin^{4}(\beta)\cos^{4}(\beta)+17\sin^{4}(\beta)\cos^{3}(\beta)-13i\sin^{5}(\beta)\cos^{2}(\beta)+\frac{1}{27}i\sin^{4}(\beta)\cos^{4}(\beta)+17\sin^{4}(\beta)\cos^{3}(\beta)-13i\sin^{5}(\beta)\cos^{5}(\beta)+\frac{1}{27}i\sin^{4}(\beta)\cos^{4}(\beta)+17\sin^{4}(\beta)\cos^{3}(\beta)+17\sin^{4}(\beta)\cos^{4}(\beta)+17\sin^{4}(\beta)\cos^{4}(\beta)+17\sin^{4}(\beta)\cos^{4}(\beta)+17\sin^{4}(\beta)\cos^{4}(\beta)+17\sin^{4}(\beta)\cos^{4}(\beta)+17\sin^{4}(\beta)\cos^{4}(\beta)+17\sin^{4}(\beta)\cos^{4}(\beta)+17\sin^{4}(\beta)\cos^{4}(\beta)+17\sin^{4}(\beta)\cos^{4}(\beta)+17\sin^{4}(\beta)\cos^{4}(\beta)+17\sin^{4}(\beta)\cos^{4}(\beta)+17\sin^{4}(\beta)\cos^{4}(\beta)+17\sin^{4}(\beta)\cos^{4}(\beta)+17\sin^{4}(\beta)\cos^{4}(\beta)+17\sin^{4}(\beta)\cos^{4}(\beta)+17\sin^{4}(\beta)\cos^{4}(\beta)+17\sin^{4}(\beta)\cos^{4}(\beta)+17\sin^{4}(\beta)\cos^{4}(\beta)+17\sin^{4}(\beta)\cos^{4}(\beta)+17\sin^{4}(\beta)\cos^{4}(\beta)+17\sin^{4}(\beta)\cos^{4}(\beta)+17\sin^{4}(\beta)\cos^{4}(\beta)+17\sin^{4}(\beta)\cos^{4}(\beta)+17\sin^{4}(\beta)\cos^{4}(\beta)+17\sin^{4}(\beta)\cos^{4}(\beta)+17\sin^{4}(\beta)\cos^{4}(\beta)+17\sin^{4}(\beta)\cos^{4}(\beta)+17\sin^{4}(\beta)\cos^{4}(\beta)+17\sin^{4}(\beta)\cos^{4}(\beta)+17\sin^{4}(\beta)\cos^{4}(\beta)+17\sin^{4}(\beta)\cos^{4}(\beta)+17\sin^{4}(\beta)\cos^{4}(\beta)+17\sin^{4}(\beta)\cos^{4}(\beta)+17\sin^{4}(\beta)\cos^{4}(\beta)+17\sin^{4}(\beta)\cos^{4}(\beta)+17\sin^{4}(\beta)\cos^{4}(\beta)+17\sin^{4}(\beta)\cos^{4}(\beta)+17\sin^{4}(\beta)\cos^{4}(\beta)+17\sin^{4}(\beta)\cos^{4}(\beta)+17\sin^{4}(\beta)\cos^{4}(\beta)+17\sin^{4}(\beta)\cos^{4}(\beta)+17\sin^{4}(\beta)\cos^{4}(\beta)+17\sin^{4}(\beta)\cos^{4}(\beta)+17\sin^{4}(\beta)\cos^{4}(\beta)+17\sin^{4}(\beta)\cos^{4}(\beta)+17\sin^{4}(\beta)\cos^{4}(\beta)+17\sin^{4}(\beta)\cos^{4}(\beta)+17\sin^{4}(\beta)\cos^{4}(\beta)+17\sin^{4}(\beta)\cos^{4}(\beta)+17\sin^{4}(\beta)\cos^{4}(\beta)+17\sin^{4}(\beta)\cos^{4}(\beta)+17\sin^{4}(\beta)\cos^{4}(\beta)+17\sin^{4}(\beta)\cos^{4}(\beta)+17\sin^{4}(\beta)\cos^{4}(\beta)+17\sin^{4}(\beta)\cos^{4}(\beta)+17\sin^{4}(\beta)\cos^{4}(\beta)+17\sin^{4}(\beta)\cos^{4}(\beta)+17\sin^{4}(\beta)\cos^{4}(\beta)+17\sin^{4}(\beta)\cos^{4}(\beta)+17\sin^{4}(\beta)\cos^{4}(\beta)+17\sin^{4}(\beta)\cos^{4}(\beta)+17\sin^{4}(\beta)\cos^{4}(\beta)+17\sin^{4}(\beta)\cos^{4}(\beta)+17\sin^{4}(\beta)\cos^{4}(\beta)+17\sin^{4}(\beta)\cos^{4}(\beta)+17\sin^{4}(\beta)\cos^{4}(\beta)+17\sin^{4}(\beta)\cos^{4}(\beta)+17\sin^{4}(\beta)\cos^{4}(\beta)+17\sin^{4}(\beta)\cos^{4}(\beta)+17\sin^{4}(\beta)\cos^{4}(\beta)+17\sin^{4}(\beta)\cos^{4}(\beta)+17\sin^{4}(\beta)\cos^{4}(\beta)+17\sin^{4}(\beta)\cos^{4}(\beta)+17\sin^{4}(\beta)\cos^{4}(\beta)+17\sin^{4}(\beta)\cos^{4}(\beta)+17\sin^{4}(\beta)\cos^{4}(\beta)+17\sin^{4}(\beta)\cos^{4}(\beta)+17\sin^{4}(\beta)\cos^{4}(\beta)+17\sin^{4}(\beta)\cos^{4}(\beta)+17\sin^{4}(\beta)\cos^{4}(\beta)+17\sin^{4}(\beta)\cos^{4}(\beta)+17\sin^{4}(\beta)\cos^{4}(\beta)+17\sin^{4}(\beta)\cos^{4}(\beta)+17\sin^{4}(\beta)\cos^{4}(\beta)+17\sin^{4}(\beta)\cos^{4}(
 +e^{5i\gamma}\left(7i\sin^{3}(\beta)\cos^{4}(\beta)+7\sin^{4}(\beta)\cos^{3}(\beta)\right)\left(e^{-7i\gamma}\left(i\sin^{3}(\beta)\cos^{4}(\beta)+\sin^{4}(\beta)\cos^{3}(\beta)\right)+e^{-3i\gamma}\left(-6\sin^{2}(\beta)\cos^{5}(\beta)+15i\sin^{4}(\beta)\cos^{3}(\beta)\right)\right)
+e^{i\gamma}\left(-5i\sin(\beta)\cos^{6}(\beta)-13\sin^{2}(\beta)\cos^{5}(\beta)+17i\sin^{3}(\beta)\cos^{4}(\beta)+17\sin^{4}(\beta)\cos^{3}(\beta)-13i\sin^{5}(\beta)\cos^{2}(\beta)-5\sin^{6}(\beta)\cos^{6}(\beta)\right)
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\left(e^{7i\gamma}\left(i\cos^6(\beta)\sin(\beta)-\cos(\beta)\sin^6(\beta)\right)\left(e^{-5i\gamma}\left(7\cos^3(\beta)\sin^4(\beta)-7i\cos^4(\beta)\sin^3(\beta)\right)\right)
  +e^{-i\gamma}\left(-14\sin^2(\beta)\cos^5(\beta)-21i\sin^3(\beta)\cos^4(\beta)+21\sin^4(\beta)\cos^3(\beta)+14i\sin^5(\beta)\cos^2(\beta)\right)
+e^{3i\gamma}(7i\sin(\beta)\cos^6(\beta)-7\sin^2(\beta)\cos^5(\beta)-7i\sin^3(\beta)\cos^4(\beta)+7\sin^4(\beta)\cos^3(\beta)+7i\sin^5(\beta)\cos^2(\beta)-7\sin^6(\beta)\cos(\beta))
+e^{7i\gamma}\left(\cos^7(\beta)-i\sin^7(\beta)\right)+e^{-i\gamma}\left(-3\sin^2(\beta)\cos^5(\beta)-4i\sin^3(\beta)\cos^4(\beta)\right)
  +4\sin^4(\beta)\cos^3(\beta) + 3i\sin^5(\beta)\cos^2(\beta)) \left(e^{7i\gamma}(\cos^3(\beta)\sin^4(\beta) - i\cos^4(\beta)\sin^3(\beta))\right)
  +e^{-5i\gamma}\left(-2\sin^2(\beta)\cos^5(\beta)-5i\sin^3(\beta)\cos^4(\beta)+5\sin^4(\beta)\cos^3(\beta)+2i\sin^5(\beta)\cos^2(\beta)\right)
+e^{3i\gamma}\left(i\sin(\beta)\cos^{6}(\beta)-7\sin^{2}(\beta)\cos^{5}(\beta)-13i\sin^{3}(\beta)\cos^{4}(\beta)+13\sin^{4}(\beta)\cos^{3}(\beta)+7i\sin^{5}(\beta)\cos^{2}(\beta)-\sin^{6}(\beta)\cos(\beta)\right)
+e^{-i\gamma}\left(\cos^{7}(\beta)+6i\sin(\beta)\cos^{6}(\beta)-12\sin^{2}(\beta)\cos^{5}(\beta)-16i\sin^{3}(\beta)\cos^{4}(\beta)+16\sin^{4}(\beta)\cos^{3}(\beta)+12i\sin^{5}(\beta)\cos^{2}(\beta)-6\sin^{6}(\beta)\cos^{2}(\beta)+16i\sin^{4}(\beta)\cos^{2}(\beta)+16i\sin^{4}(\beta)\cos^{2}(\beta)+16i\sin^{4}(\beta)\cos^{2}(\beta)+16i\sin^{4}(\beta)\cos^{2}(\beta)+16i\sin^{4}(\beta)\cos^{2}(\beta)+16i\sin^{4}(\beta)\cos^{2}(\beta)+16i\sin^{4}(\beta)\cos^{2}(\beta)+16i\sin^{4}(\beta)\cos^{2}(\beta)+16i\sin^{4}(\beta)\cos^{2}(\beta)+16i\sin^{4}(\beta)\cos^{2}(\beta)+16i\sin^{4}(\beta)\cos^{2}(\beta)+16i\sin^{4}(\beta)\cos^{2}(\beta)+16i\sin^{4}(\beta)\cos^{2}(\beta)+16i\sin^{4}(\beta)\cos^{2}(\beta)+16i\sin^{4}(\beta)\cos^{2}(\beta)+16i\sin^{4}(\beta)\cos^{2}(\beta)+16i\sin^{4}(\beta)\cos^{2}(\beta)+16i\sin^{4}(\beta)\cos^{2}(\beta)+16i\sin^{4}(\beta)\cos^{2}(\beta)+16i\sin^{4}(\beta)\cos^{2}(\beta)+16i\sin^{4}(\beta)\cos^{2}(\beta)+16i\sin^{4}(\beta)\cos^{2}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)+16i\sin^{4}(\beta)+16i\sin^{4}(\beta)+16i\sin^{4}(\beta)+16i\sin^{4}(\beta)+16i\sin^{4}(\beta)+16i\sin^{4}(\beta)+16i\sin^{4}(\beta)+16i\sin^{4}(\beta)+16i\sin^{4}(\beta)+16i\sin^{4}(\beta)+16
  +e^{3i\gamma}\left(2i\sin(\beta)\cos^6(\beta)-5i\sin^3(\beta)\cos^4(\beta)+5\sin^4(\beta)\cos^3(\beta)\right)
    -2\sin^6(\beta)\cos(\beta)) \left(e^{7i\gamma}\left(i\cos^2(\beta)\sin^5(\beta)-\cos^5(\beta)\sin^2(\beta)\right)\right)
+e^{-5i\gamma}\left(-\sin^2(\beta)\cos^5(\beta)-6i\sin^3(\beta)\cos^4(\beta)+6\sin^4(\beta)\cos^3(\beta)+i\sin^5(\beta)\cos^2(\beta)\right)
  +e^{-i\gamma} \left(3i\sin(\beta)\cos^6(\beta) - 14\sin^2(\beta)\cos^5(\beta) - 18i\sin^3(\beta)\cos^4(\beta) + 18\sin^4(\beta)\cos^3(\beta) + 14i\sin^5(\beta)\cos^2(\beta) - 3\sin^6(\beta)\cos(\beta)\right)
  +e^{3i\gamma}\left(\cos^{7}(\beta)+4i\sin(\beta)\cos^{6}(\beta)-5\sin^{2}(\beta)\cos^{5}(\beta)-11i\sin^{3}(\beta)\cos^{4}(\beta)+11\sin^{4}(\beta)\cos^{3}(\beta)+5i\sin^{5}(\beta)\cos^{2}(\beta)-4\sin^{6}(\beta)\cos^{2}(\beta)\right)
  +e^{3i\gamma}(-3\sin^2(\beta)\cos^5(\beta)-4i\sin^3(\beta)\cos^4(\beta)+4\sin^4(\beta)\cos^3(\beta)
  +3i\sin^5(\beta)\cos^2(\beta)) \left(e^{7i\gamma}\left(\cos^3(\beta)\sin^4(\beta)-i\cos^4(\beta)\sin^3(\beta)\right)\right)
  +e^{-5i\gamma}\left(-2\sin^2(\beta)\cos^5(\beta)-5i\sin^3(\beta)\cos^4(\beta)+5\sin^4(\beta)\cos^3(\beta)+2i\sin^5(\beta)\cos^2(\beta)\right)
+e^{-i\gamma}(3i\sin(\beta)\cos^6(\beta)-11\sin^2(\beta)\cos^5(\beta)-21i\sin^3(\beta)\cos^4(\beta)+21\sin^4(\beta)\cos^3(\beta)+11i\sin^5(\beta)\cos^2(\beta)-3\sin^6(\beta)\cos(\beta)
+e^{3i\gamma}(\cos^7(\beta)+4i\sin(\beta)\cos^6(\beta)-8\sin^2(\beta)\cos^5(\beta)-8i\sin^3(\beta)\cos^4(\beta)+8\sin^4(\beta)\cos^3(\beta)+8i\sin^5(\beta)\cos^2(\beta)-4\sin^6(\beta)\cos^6(\beta)
  +e^{-i\gamma}\left(-6\sin^2(\beta)\cos^5(\beta)-8i\sin^3(\beta)\cos^4(\beta)+8\sin^4(\beta)\cos^3(\beta)+6i\sin^5(\beta)\cos^2(\beta)\right)\left(e^{7i\gamma}\left(\cos^3(\beta)\sin^4(\beta)-i\cos^4(\beta)\sin^3(\beta)\cos^3(\beta)+6i\sin^3(\beta)\cos^3(\beta)\cos^3(\beta)+6i\sin^3(\beta)\cos^3(\beta)\cos^3(\beta)+6i\sin^3(\beta)\cos^3(\beta)\cos^3(\beta)+6i\sin^3(\beta)\cos^3(\beta)\cos^3(\beta)+6i\sin^3(\beta)\cos^3(\beta)\cos^3(\beta)+6i\sin^3(\beta)\cos^3(\beta)\cos^3(\beta)+6i\sin^3(\beta)\cos^3(\beta)\cos^3(\beta)+6i\sin^3(\beta)\cos^3(\beta)\cos^3(\beta)+6i\sin^3(\beta)\cos^3(\beta)\cos^3(\beta)+6i\sin^3(\beta)\cos^3(\beta)\cos^3(\beta)+6i\sin^3(\beta)\cos^3(\beta)\cos^3(\beta)+6i\sin^3(\beta)\cos^3(\beta)\cos^3(\beta)+6i\sin^3(\beta)\cos^3(\beta)\cos^3(\beta)+6i\sin^3(\beta)\cos^3(\beta)\cos^3(\beta)+6i\sin^3(\beta)\cos^3(\beta)\cos^3(\beta)+6i\sin^3(\beta)\cos^3(\beta)\cos^3(\beta)+6i\sin^3(\beta)\cos^3(\beta)\cos^3(\beta)+6i\sin^3(\beta)\cos^3(\beta)\cos^3(\beta)+6i\sin^3(\beta)\cos^3(\beta)\cos^3(\beta)+6i\sin^3(\beta)\cos^3(\beta)\cos^3(\beta)+6i\sin^3(\beta)\cos^3(\beta)\cos^3(\beta)+6i\sin^3(\beta)\cos^3(\beta)\cos^3(\beta)+6i\sin^3(\beta)\cos^3(\beta)\cos^3(\beta)+6i\sin^3(\beta)\cos^3(\beta)\cos^3(\beta)+6i\sin^3(\beta)\cos^3(\beta)\cos^3(\beta)+6i\sin^3(\beta)\cos^3(\beta)\cos^3(\beta)+6i\sin^3(\beta)\cos^3(\beta)\cos^3(\beta)+6i\sin^3(\beta)\cos^3(\beta)\cos^3(\beta)+6i\sin^3(\beta)\cos^3(\beta)\cos^3(\beta)+6i\sin^3(\beta)\cos^3(\beta)\cos^3(\beta)+6i\sin^3(\beta)\cos^3(\beta)\cos^3(\beta)+6i\sin^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta
  +e^{3i\gamma}\left(2i\sin(\beta)\cos^{6}(\beta)-8\sin^{2}(\beta)\cos^{5}(\beta)-11i\sin^{3}(\beta)\cos^{4}(\beta)+11\sin^{4}(\beta)\cos^{3}(\beta)+8i\sin^{5}(\beta)\cos^{2}(\beta)-2\sin^{6}(\beta)\cos(\beta)\right)
  +e^{-5i\gamma}\left(i\sin(\beta)\cos^{6}(\beta)-3\sin^{2}(\beta)\cos^{5}(\beta)-3i\sin^{3}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{3}(\beta)+3i\sin^{5}(\beta)\cos^{2}(\beta)-\sin^{6}(\beta)\cos(\beta)\right)
  +e^{-i\gamma}\left(\cos^{7}(\beta)+4i\sin(\beta)\cos^{6}(\beta)-10\sin^{2}(\beta)\cos^{5}(\beta)-20i\sin^{3}(\beta)\cos^{4}(\beta)+20\sin^{4}(\beta)\cos^{3}(\beta)+10i\sin^{5}(\beta)\cos^{2}(\beta)-4\sin^{6}(\beta)\cos^{6}(\beta)+20\sin^{4}(\beta)\cos^{6}(\beta)+10i\sin^{5}(\beta)\cos^{6}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\sin^{5}(\beta)+10i\sin^{5}(\beta)\sin^{5}(\beta)+10i\sin^{5}(\beta)\sin^{5}(\beta)+10i\sin^{5}(\beta)\sin^{5}(\beta)+10i\sin^{5}(\beta)+10i\sin^{5}(\beta)+10i\sin^{5}(\beta)+10i\sin^{5}(\beta)+10i\sin^{5}(\beta)+10i\sin^{5}(\beta)+10i\sin^{5}(\beta)+10i\sin^{5}(\beta)+10i\sin^{5}(\beta)+10i\sin^{5}(\beta)+10i\sin^{5}(\beta)+10i
  +e^{-i\gamma}\left(2i\sin(\beta)\cos^{6}(\beta)-5i\sin^{3}(\beta)\cos^{4}(\beta)+5\sin^{4}(\beta)\cos^{3}(\beta)-2\sin^{6}(\beta)\cos(\beta)\right)\left(e^{7i\gamma}\left(i\cos^{2}(\beta)\sin^{5}(\beta)-\cos^{5}(\beta)\sin^{2}(\beta)\right)+e^{-i\gamma}\left(2i\sin(\beta)\cos^{6}(\beta)-5i\sin^{3}(\beta)\cos^{4}(\beta)+5\sin^{4}(\beta)\cos^{3}(\beta)-2\sin^{6}(\beta)\cos(\beta)\right)\right)
  +e^{3i\gamma}\left(2i\sin(\beta)\cos^{6}(\beta)-5\sin^{2}(\beta)\cos^{5}(\beta)-14i\sin^{3}(\beta)\cos^{4}(\beta)+14\sin^{4}(\beta)\cos^{3}(\beta)+5i\sin^{5}(\beta)\cos^{2}(\beta)-2\sin^{6}(\beta)\cos(\beta)\right)
+e^{-5i\gamma}\left(i\sin(\beta)\cos^{6}(\beta)-2\sin^{2}(\beta)\cos^{5}(\beta)-4i\sin^{3}(\beta)\cos^{4}(\beta)+4\sin^{4}(\beta)\cos^{3}(\beta)+2i\sin^{5}(\beta)\cos^{2}(\beta)-\sin^{6}(\beta)\cos(\beta)\right)
  +e^{-i\gamma}\left(\cos^{7}(\beta)+4i\sin(\beta)\cos^{6}(\beta)-13\sin^{2}(\beta)\cos^{5}(\beta)-17i\sin^{3}(\beta)\cos^{4}(\beta)+17\sin^{4}(\beta)\cos^{3}(\beta)+13i\sin^{5}(\beta)\cos^{2}(\beta)-4\sin^{6}(\beta)\cos^{2}(\beta)+13i\sin^{5}(\beta)\cos^{2}(\beta)+13i\sin^{5}(\beta)\cos^{2}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)+13i\sin^{5}(\beta)+13i\sin^{5}(\beta)+13i\sin^{5}(\beta)+13i\sin^{5}(\beta)+13i\sin^{5}(\beta)+13i\sin^{5}(\beta)+13i\sin^{5}(\beta)+13i\sin^{5}(\beta)+13i\sin^{5}(\beta)+13i\sin^{5}(\beta)+13i\sin^{5}(\beta)+13i\sin^{5}(\beta
  +e^{-5i\gamma}\left(-3\sin^2(\beta)\cos^5(\beta)-4i\sin^3(\beta)\cos^4(\beta)+4\sin^4(\beta)\cos^3(\beta)+3i\sin^5(\beta)\cos^2(\beta)\right)\left(e^{7i\gamma}\left(\cos^3(\beta)\sin^4(\beta)-i\cos^4(\beta)\sin^3(\beta)\cos^3(\beta)+3i\sin^5(\beta)\cos^2(\beta)\right)\right)
+e^{3i\gamma}\left(-6\sin^{2}(\beta)\cos^{5}(\beta)-15i\sin^{3}(\beta)\cos^{4}(\beta)+15\sin^{4}(\beta)\cos^{3}(\beta)+6i\sin^{5}(\beta)\cos^{2}(\beta)\right)+e^{-i\gamma}\left(5i\sin(\beta)\cos^{6}(\beta)-13\sin^{2}(\beta)\cos^{4}(\beta)+15\sin^{4}(\beta)\cos^{3}(\beta)+6i\sin^{5}(\beta)\cos^{2}(\beta)\right)+e^{-i\gamma}\left(5i\sin(\beta)\cos^{6}(\beta)-13\sin^{2}(\beta)\cos^{4}(\beta)+15\sin^{4}(\beta)\cos^{3}(\beta)+6i\sin^{5}(\beta)\cos^{2}(\beta)\right)+e^{-i\gamma}\left(5i\sin(\beta)\cos^{6}(\beta)-13\sin^{2}(\beta)\cos^{4}(\beta)+15\sin^{4}(\beta)\cos^{3}(\beta)+6i\sin^{5}(\beta)\cos^{2}(\beta)\right)+e^{-i\gamma}\left(5i\sin(\beta)\cos^{6}(\beta)-13\sin^{2}(\beta)\cos^{4}(\beta)+15\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{5}(\beta)\cos^{4}(\beta)\right)+e^{-i\gamma}\left(5i\sin(\beta)\cos^{6}(\beta)-13\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{5}(\beta)\cos^{4}(\beta)+6i\sin^{5}(\beta)\cos^{4}(\beta)\right)+e^{-i\gamma}\left(5i\sin(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)+6i\sin^{4}(\beta)+6i\sin^{4}(\beta)+6i\sin^{4}(\beta)+6i\sin^{4}(\beta)+6i\sin^{4}(\beta)+6i\sin^{4}(\beta)+6i\sin^{4}(\beta)+6i\sin^{4}(\beta)+6i\sin^{4}(\beta)+6i\sin^{4}(\beta)+6i\sin^{4}(\beta)+6i\sin^{4}(\beta)+6i\sin^{4}(\beta)+6i\sin^{4}(\beta)+6i\sin^{4}(\beta)+6i\sin^{4}(\beta)+6i\sin^{4}(\beta)+6i\sin^{4}
+e^{-5i\gamma}\left(\cos^{7}(\beta)+2i\sin(\beta)\cos^{6}(\beta)-2\sin^{2}(\beta)\cos^{5}(\beta)-2i\sin^{3}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{3}(\beta)+2i\sin^{5}(\beta)\cos^{2}(\beta)-2\sin^{6}(\beta)\cos^{5}(\beta)\right)
  +e^{3i\gamma}\left(\cos^{7}(\beta)-6\sin^{2}(\beta)\cos^{5}(\beta)+6i\sin^{5}(\beta)\cos^{2}(\beta)-i\sin^{7}(\beta)\right)\left(e^{-5i\gamma}\left(-3\sin^{2}(\beta)\cos^{5}(\beta)-4i\sin^{3}(\beta)\cos^{4}(\beta)+4\sin^{4}(\beta)\cos^{2}(\beta)+6i\sin^{2}(\beta)\cos^{2}(\beta)+6i\sin^{2}(\beta)\cos^{2}(\beta)+6i\sin^{2}(\beta)\cos^{2}(\beta)+6i\sin^{2}(\beta)\cos^{2}(\beta)+6i\sin^{2}(\beta)\cos^{2}(\beta)+6i\sin^{2}(\beta)\cos^{2}(\beta)+6i\sin^{2}(\beta)\cos^{2}(\beta)+6i\sin^{2}(\beta)\cos^{2}(\beta)+6i\sin^{2}(\beta)\cos^{2}(\beta)+6i\sin^{2}(\beta)\cos^{2}(\beta)+6i\sin^{2}(\beta)\cos^{2}(\beta)+6i\sin^{2}(\beta)\cos^{2}(\beta)+6i\sin^{2}(\beta)\cos^{2}(\beta)+6i\sin^{2}(\beta)\cos^{2}(\beta)+6i\sin^{2}(\beta)\cos^{2}(\beta)+6i\sin^{2}(\beta)\cos^{2}(\beta)+6i\sin^{2}(\beta)\cos^{2}(\beta)+6i\sin^{2}(\beta)\cos^{2}(\beta)+6i\sin^{2}(\beta)\cos^{2}(\beta)+6i\sin^{2}(\beta)\cos^{2}(\beta)+6i\sin^{2}(\beta)\cos^{2}(\beta)+6i\sin^{2}(\beta)\cos^{2}(\beta)+6i\sin^{2}(\beta)\cos^{2}(\beta)+6i\sin^{2}(\beta)\cos^{2}(\beta)+6i\sin^{2}(\beta)\cos^{2}(\beta)+6i\sin^{2}(\beta)\cos^{2}(\beta)+6i\sin^{2}(\beta)\cos^{2}(\beta)+6i\sin^{2}(\beta)\cos^{2}(\beta)+6i\sin^{2}(\beta)\cos^{2}(\beta)+6i\sin^{2}(\beta)\cos^{2}(\beta)+6i\sin^{2}(\beta)\cos^{2}(\beta)+6i\sin^{2}(\beta)\cos^{2}(\beta)+6i\sin^{2}(\beta)\cos^{2}(\beta)+6i\sin^{2}(\beta)\cos^{2}(\beta)+6i\sin^{2}(\beta)\cos^{2}(\beta)+6i\sin^{2}(\beta)\cos^{2}(\beta)+6i\sin^{2}(\beta)\cos^{2}(\beta)+6i\sin^{2}(\beta)\cos^{2}(\beta)+6i\sin^{2}(\beta)\cos^{2}(\beta)+6i\sin^{2}(\beta)\cos^{2}(\beta)+6i\sin^{2}(\beta)\cos^{2}(\beta)+6i\sin^{2}(\beta)\cos^{2}(\beta)+6i\sin^{2}(\beta)\cos^{2}(\beta)+6i\sin^{2}(\beta)\cos^{2}(\beta)+6i\sin^{2}(\beta)\cos^{2}(\beta)+6i\sin^{2}(\beta)\cos^{2}(\beta)+6i\sin^{2}(\beta)\cos^{2}(\beta)+6i\sin^{2}(\beta)\cos^{2}(\beta)+6i\sin^{2}(\beta)\cos^{2}(\beta)+6i\sin^{2}(\beta)\cos^{2}(\beta)+6i\sin^{2}(\beta)\cos^{2}(\beta)+6i\sin^{2}(\beta)\cos^{2}(\beta)+6i\sin^{2}(\beta)\cos^{2}(\beta)+6i\sin^{2}(\beta)\cos^{2}(\beta)+6i\sin^{2}(\beta)\cos^{2}(\beta)+6i\sin^{2}(\beta)\cos^{2}(\beta)+6i\sin^{2}(\beta)\cos^{2}(\beta)+6i\sin^{2}(\beta)\cos^{2}(\beta)+6i\sin^{2}(\beta)\cos^{2}(\beta)+6i\sin^{2}(\beta)\cos^{2}(\beta)+6i\sin^{2}(\beta)\cos^{2}(\beta)+6i\sin^{2}(\beta)\cos^{2}(\beta)+6i\sin^{2}(\beta)\cos^{2}(\beta)+6i\sin^{2}(\beta)\cos^{2}(\beta)+6i\sin^{2}(\beta)\cos^{2}(\beta)+6i\sin^{2}(\beta)\cos^{2}(\beta)+6i\sin^{2}(\beta)\cos^{2}(\beta)+6i\sin^{2}(\beta)\cos^{2}(\beta)+6i\sin^{2}(\beta)\cos^{2}(\beta)+6i\sin^{2}(\beta)\cos^{2}(\beta)+6i\sin^{2}(\beta)\cos^{2}(\beta)+6i\sin^{2}(\beta)\cos^{2}(\beta)+6i\sin^{2}(\beta)\cos^{2}(\beta)+6i\sin^{2}(\beta)\cos^{2}(\beta)+6i\sin^{2}(\beta)\cos^{2}(\beta)+6i\sin^{2}(\beta)\cos^{2}(\beta)+6i\sin^{2}(\beta)\cos^{2}(\beta)+6i\sin^{2}(\beta)\cos^{2}(\beta)+6i\sin^{2}(\beta)\cos^{2}(\beta)+6i\sin^{2}(\beta)\cos^{2}(\beta)+6i\sin^{2}(\beta)\cos^{2}(\beta)+6i\sin^{2}(\beta)\cos^{2}(\beta)+6i\sin^{2}(\beta)\cos^{2}(\beta)+6i\sin^{2}(\beta)\cos^{2}(\beta)+6i\sin^{2}(\beta)\cos^{2}(\beta)+6i\sin^{2}(\beta)\cos^{2}(\beta)+6i\sin^{2}(\beta)\cos^{2}(\beta)+6i\sin^{2}(\beta)\cos^{2}(\beta)+6i\sin^{2}(\beta)\cos^{2}(\beta)+6i\sin^{2}(\beta)\cos^{2}(\beta)+6i\sin^{2}(\beta)\cos^{2}(\beta)+6i\sin^{2}(\beta)\cos^{2}(\beta)+6i\sin^{2}(\beta)\cos^{2}(\beta)+6i\sin^{2}(\beta)+6i\sin^{2}(\beta)+6i\sin^{2}(\beta)+6i\sin^{2}(\beta)+6i\sin^{2}(\beta)+6i\sin^{2}(\beta)+6i\sin^{2}(\beta)+6i\sin^{2}(\beta)+6i\sin^{2}(\beta)+6i\sin^{2}(\beta)+6i\sin^{2}(\beta)+6i\sin^{2}(\beta)+6i\sin^{2}(\beta)
+e^{-i\gamma}\left(4i\sin(\beta)\cos^{6}(\beta)-9\sin^{2}(\beta)\cos^{5}(\beta)-22i\sin^{3}(\beta)\cos^{4}(\beta)+22\sin^{4}(\beta)\cos^{3}(\beta)+9i\sin^{5}(\beta)\cos^{2}(\beta)-4\sin^{6}(\beta)\cos(\beta)\right)
+e^{7i\gamma}(i\cos^{6}(\beta)\sin(\beta)-\cos(\beta)\sin^{6}(\beta))+e^{3i\gamma}(\cos^{7}(\beta)+2i\sin(\beta)\cos^{6}(\beta)-9\sin^{2}(\beta)\cos^{5}(\beta)-9i\sin^{3}(\beta)\cos^{4}(\beta)+9\sin^{4}(\beta)\cos^{6}(\beta)\sin^{6}(\beta)\cos^{6}(\beta)\sin^{6}(\beta)\cos^{6}(\beta)\sin^{6}(\beta)\cos^{6}(\beta)\sin^{6}(\beta)\cos^{6}(\beta)\sin^{6}(\beta)\cos^{6}(\beta)\sin^{6}(\beta)\cos^{6}(\beta)\sin^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\sin^{6}(\beta)\cos^{6}(\beta)\sin^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\sin^{6}(\beta)\cos^{6}(\beta)\sin^{6}(\beta)\cos^{6}(\beta)\sin^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos
  +e^{-i\gamma} \left(2 i \sin(\beta) \cos^6(\beta) - 5 i \sin^3(\beta) \cos^4(\beta) + 5 \sin^4(\beta) \cos^3(\beta) - 2 \sin^6(\beta) \cos(\beta)\right) \left(e^{7 i \gamma} \left(i \cos^2(\beta) \sin^5(\beta) - \cos^5(\beta) \sin^2(\beta)\right) + 2 \sin^4(\beta) \cos^4(\beta) \cos^2(\beta) \sin^2(\beta) \cos^2(\beta)\right) + 2 \sin^4(\beta) \cos^4(\beta) \cos^2(\beta) \cos^4(\beta) \cos^2(\beta) \cos^2(\beta)
+e^{3i\gamma}(3i\sin(\beta)\cos^6(\beta)-6\sin^2(\beta)\cos^5(\beta)-12i\sin^3(\beta)\cos^4(\beta)+12\sin^4(\beta)\cos^3(\beta)+6i\sin^5(\beta)\cos^2(\beta)-3\sin^6(\beta)\cos(\beta))
  +e^{-5i\gamma}\left(2i\sin(\beta)\cos^{6}(\beta)-3\sin^{2}(\beta)\cos^{5}(\beta)-2i\sin^{3}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{3}(\beta)+3i\sin^{5}(\beta)\cos^{2}(\beta)-2\sin^{6}(\beta)\cos(\beta)\right)
  +e^{-i\gamma}\left(\cos^{7}(\beta)+2i\sin(\beta)\cos^{6}(\beta)-11\sin^{2}(\beta)\cos^{5}(\beta)-21i\sin^{3}(\beta)\cos^{4}(\beta)+21\sin^{4}(\beta)\cos^{3}(\beta)+11i\sin^{5}(\beta)\cos^{2}(\beta)-2\sin^{6}(\beta)\cos^{2}(\beta)+2i\sin^{4}(\beta)\cos^{2}(\beta)+2i\sin^{4}(\beta)\cos^{2}(\beta)+2i\sin^{4}(\beta)\cos^{2}(\beta)+2i\sin^{4}(\beta)\cos^{2}(\beta)+2i\sin^{4}(\beta)\cos^{2}(\beta)+2i\sin^{4}(\beta)\cos^{2}(\beta)+2i\sin^{4}(\beta)\cos^{2}(\beta)+2i\sin^{4}(\beta)\cos^{2}(\beta)+2i\sin^{4}(\beta)\cos^{2}(\beta)+2i\sin^{4}(\beta)\cos^{2}(\beta)+2i\sin^{4}(\beta)\cos^{2}(\beta)+2i\sin^{4}(\beta)\cos^{2}(\beta)+2i\sin^{4}(\beta)\cos^{2}(\beta)+2i\sin^{4}(\beta)\cos^{2}(\beta)+2i\sin^{4}(\beta)\cos^{2}(\beta)+2i\sin^{4}(\beta)\cos^{2}(\beta)+2i\sin^{4}(\beta)\cos^{2}(\beta)+2i\sin^{4}(\beta)\cos^{2}(\beta)+2i\sin^{4}(\beta)\cos^{2}(\beta)+2i\sin^{4}(\beta)\cos^{2}(\beta)+2i\sin^{4}(\beta)\cos^{2}(\beta)+2i\sin^{4}(\beta)\cos^{2}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)+2i\sin^{4}(\beta)+2i\sin^{4}(\beta)+2i\sin^{4}(\beta)+2i\sin^{4}(\beta)+2i\sin^{4}(\beta)+2i\sin^{
      (e^{-7i\gamma}(-i\sin(\beta)\cos^6(\beta)-\sin^6(\beta)\cos(\beta))(e^{5i\gamma}(7i\sin^3(\beta)\cos^4(\beta)+7\sin^4(\beta)\cos^3(\beta))+e^{i\gamma}(-14\sin^2(\beta)\cos^5(\beta)+21i\sin^3(\beta)\cos^4(\beta)+7\sin^4(\beta)\cos^3(\beta))+e^{i\gamma}(-14\sin^2(\beta)\cos^2(\beta)+21i\sin^3(\beta)\cos^4(\beta)+7\sin^4(\beta)\cos^3(\beta))+e^{i\gamma}(-14\sin^2(\beta)\cos^2(\beta)+21i\sin^3(\beta)\cos^4(\beta)+7\sin^4(\beta)\cos^3(\beta))+e^{i\gamma}(-14\sin^2(\beta)\cos^2(\beta)+21i\sin^3(\beta)\cos^4(\beta)+7\sin^4(\beta)\cos^3(\beta))+e^{i\gamma}(-14\sin^2(\beta)\cos^2(\beta)+21i\sin^3(\beta)\cos^4(\beta)+7\sin^4(\beta)\cos^3(\beta))+e^{i\gamma}(-14\sin^2(\beta)\cos^2(\beta)+21i\sin^3(\beta)\cos^4(\beta)+7\sin^4(\beta)\cos^4(\beta)+7\sin^4(\beta)\cos^4(\beta)+7\sin^4(\beta)\cos^4(\beta)+7\sin^4(\beta)\cos^4(\beta)+7\sin^4(\beta)\cos^4(\beta)+7\sin^4(\beta)\cos^4(\beta)+7\sin^4(\beta)\cos^4(\beta)+7\sin^4(\beta)\cos^4(\beta)+7\sin^4(\beta)\cos^4(\beta)+7\sin^4(\beta)\cos^4(\beta)+7\sin^4(\beta)\cos^4(\beta)+7\sin^4(\beta)\cos^4(\beta)+7\sin^4(\beta)\cos^4(\beta)+7\sin^4(\beta)\cos^4(\beta)+7\sin^4(\beta)\cos^4(\beta)+7\sin^4(\beta)\cos^4(\beta)+7\sin^4(\beta)\cos^4(\beta)+7\sin^4(\beta)\cos^4(\beta)+7\sin^4(\beta)\cos^4(\beta)+7\sin^4(\beta)\cos^4(\beta)+7\sin^4(\beta)\cos^4(\beta)+7\sin^4(\beta)\cos^4(\beta)+7\sin^4(\beta)\cos^4(\beta)+7\sin^4(\beta)\cos^4(\beta)+7\sin^4(\beta)\cos^4(\beta)+7\sin^4(\beta)\cos^4(\beta)+7\sin^4(\beta)\cos^4(\beta)+7\sin^4(\beta)\cos^4(\beta)+7\sin^4(\beta)\cos^4(\beta)+7\sin^4(\beta)\cos^4(\beta)+7\sin^4(\beta)\cos^4(\beta)+7\sin^4(\beta)\cos^4(\beta)+7\sin^4(\beta)\cos^4(\beta)+7\sin^4(\beta)\cos^4(\beta)+7\sin^4(\beta)\cos^4(\beta)+7\sin^4(\beta)\cos^4(\beta)+7\sin^4(\beta)\cos^4(\beta)+7\sin^4(\beta)\cos^4(\beta)+7\sin^4(\beta)\cos^4(\beta)+7\sin^4(\beta)\cos^4(\beta)+7\sin^4(\beta)\cos^4(\beta)+7\sin^4(\beta)\cos^4(\beta)+7\sin^4(\beta)\cos^4(\beta)+7\sin^4(\beta)\cos^4(\beta)+7\sin^4(\beta)\cos^4(\beta)+7\sin^4(\beta)\cos^4(\beta)+7\sin^4(\beta)\cos^4(\beta)+7\sin^4(\beta)\cos^4(\beta)+7\sin^4(\beta)\cos^4(\beta)+7\sin^4(\beta)\cos^4(\beta)+7\sin^4(\beta)\cos^4(\beta)+7\sin^4(\beta)\cos^4(\beta)+7\sin^4(\beta)\cos^4(\beta)+7\sin^4(\beta)\cos^4(\beta)+7\sin^4(\beta)\cos^2(\beta)+7\sin^4(\beta)\cos^2(\beta)+7\sin^4(\beta)\cos^2(\beta)+7\sin^4(\beta)\cos^2(\beta)+7\sin^4(\beta)\cos^2(\beta)+7\sin^2(\beta)\cos^2(\beta)+7\sin^2(\beta)\cos^2(\beta)+7\sin^2(\beta)\cos^2(\beta)+7\sin^2(\beta)\cos^2(\beta)+7\sin^2(\beta)\cos^2(\beta)+7\sin^2(\beta)\cos^2(\beta)+7\sin^2(\beta)\cos^2(\beta)+7\sin^2(\beta)\cos^2(\beta)+7\sin^2(\beta)\cos^2(\beta)+7\sin^2(\beta)\cos^2(\beta)+7\sin^2(\beta)\cos^2(\beta)+7\sin^2(\beta)\cos^2(\beta)+7\sin^2(\beta)\cos^2(\beta)\cos^2(\beta)+7\sin^2(\beta)\cos^2(\beta)+7\sin^2(\beta)\cos^2(\beta)\cos^2(\beta)+7\sin^2(\beta)\cos^2(\beta)+7\sin^2(\beta)\cos^2(\beta)+7\sin^2(\beta)\cos^2(\beta)\cos^2(\beta)+7\sin^2(\beta)\cos^2(\beta)+7\sin^2(\beta)\cos^2(\beta)+7\sin^2(\beta)\cos^2(\beta)+7\sin^2(\beta)\cos^2(\beta)\cos^2(\beta)+7\sin^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta
  +e^{-3i\gamma}\left(-7i\sin(\beta)\cos^{6}(\beta)-7\sin^{2}(\beta)\cos^{5}(\beta)+7i\sin^{3}(\beta)\cos^{4}(\beta)+7\sin^{4}(\beta)\cos^{3}(\beta)-7i\sin^{5}(\beta)\cos^{2}(\beta)-7\sin^{6}(\beta)\cos(\beta)\right)
  +e^{-7i\gamma}(\cos^7(\beta)+i\sin^7(\beta)))+e^{i\gamma}(-3\sin^2(\beta)\cos^5(\beta)+4i\sin^3(\beta)\cos^4(\beta)+4\sin^4(\beta)\cos^3(\beta)-3i\sin^5(\beta)\cos^2(\beta)) (e<sup>-7i\gamma</sup>(ising))
  +e^{5i\gamma}\left(-2\sin^2(\beta)\cos^5(\beta)+5i\sin^3(\beta)\cos^4(\beta)+5\sin^4(\beta)\cos^3(\beta)-2i\sin^5(\beta)\cos^2(\beta)\right)+e^{-3i\gamma}\left(-i\sin(\beta)\cos^6(\beta)-7\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2
  +e^{i\gamma}(\cos^7(\beta)-6i\sin(\beta)\cos^6(\beta)-12\sin^2(\beta)\cos^5(\beta)+16i\sin^3(\beta)\cos^4(\beta)+16\sin^4(\beta)\cos^3(\beta)-12i\sin^5(\beta)\cos^2(\beta)-6\sin^6(\beta)\cos^6(\beta)
+e^{-3i\gamma}\left(-2i\sin(\beta)\cos^{6}(\beta)+5i\sin^{3}(\beta)\cos^{4}(\beta)+5\sin^{4}(\beta)\cos^{3}(\beta)-2\sin^{6}(\beta)\cos(\beta)\right)\left(e^{-7i\gamma}\left(-\sin^{2}(\beta)\cos^{5}(\beta)-i\sin^{5}(\beta)\cos^{5}(\beta)+3\sin^{4}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{3}(\beta)+3\sin^{4}(\beta)\cos^{3}(\beta)+3\sin^{4}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)
+e^{5i\gamma}\left(-\sin^2(\beta)\cos^5(\beta)+6i\sin^3(\beta)\cos^4(\beta)+6\sin^4(\beta)\cos^3(\beta)-i\sin^5(\beta)\cos^2(\beta)\right)+e^{i\gamma}\left(-3i\sin(\beta)\cos^6(\beta)-14\sin^2(\beta)\cos^5(\beta)+6i\sin^3(\beta)\cos^4(\beta)+6\sin^4(\beta)\cos^3(\beta)-i\sin^5(\beta)\cos^2(\beta)\right)+e^{i\gamma}\left(-3i\sin(\beta)\cos^6(\beta)+6i\sin^4(\beta)\cos^4(\beta)+6\sin^4(\beta)\cos^3(\beta)-i\sin^5(\beta)\cos^2(\beta)\right)+e^{i\gamma}\left(-3i\sin(\beta)\cos^6(\beta)+6\sin^4(\beta)\cos^5(\beta)+6\sin^4(\beta)\cos^2(\beta)\right)+e^{i\gamma}\left(-3i\sin(\beta)\cos^6(\beta)+6\sin^4(\beta)\cos^5(\beta)+6\sin^4(\beta)\cos^5(\beta)\right)+e^{i\gamma}\left(-3i\sin(\beta)\cos^6(\beta)+6\sin^4(\beta)\cos^5(\beta)+6\sin^4(\beta)\cos^5(\beta)\right)+e^{i\gamma}\left(-3i\sin(\beta)\cos^6(\beta)+6\sin^4(\beta)\cos^5(\beta)+6\sin^4(\beta)\cos^5(\beta)\right)+e^{i\gamma}\left(-3i\sin(\beta)\cos^6(\beta)+6\sin^4(\beta)\cos^5(\beta)+6\sin^4(\beta)\cos^5(\beta)\right)+e^{i\gamma}\left(-3i\sin(\beta)\cos^6(\beta)+6\sin^4(\beta)\cos^5(\beta)+6\sin^4(\beta)\cos^5(\beta)\right)+e^{i\gamma}\left(-3i\sin(\beta)\cos^5(\beta)+6\sin^4(\beta)\cos^5(\beta)+6\sin^4(\beta)\cos^5(\beta)+6\sin^4(\beta)\cos^5(\beta)\right)+e^{i\gamma}\left(-3i\sin(\beta)\cos^5(\beta)+6\sin^4(\beta)\cos^5(\beta)+6\sin^2(\beta)\cos^5(\beta)\right)+e^{i\gamma}\left(-3i\sin(\beta)\cos^5(\beta)+6\sin^4(\beta)\cos^5(\beta)+6\sin^4(\beta)\cos^5(\beta)\right)+e^{i\gamma}\left(-3i\sin(\beta)\cos^5(\beta)+6\sin^4(\beta)\cos^5(\beta)+6\sin^4(\beta)\cos^5(\beta)\right)+e^{i\gamma}\left(-3i\sin(\beta)\cos^5(\beta)+6\sin^2(\beta)\cos^5(\beta)+6\sin^2(\beta)\cos^5(\beta)\right)+e^{i\gamma}\left(-3i\sin(\beta)\cos^5(\beta)+6\sin^2(\beta)\cos^5(\beta)+6\sin^2(\beta)\cos^5(\beta)\right)+e^{i\gamma}\left(-3i\sin(\beta)\cos^5(\beta)+6\sin^2(\beta)\cos^5(\beta)+6\sin^2(\beta)\cos^5(\beta)\right)+e^{i\gamma}\left(-3i\sin(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)\right)+e^{i\gamma}\left(-3i\sin(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)\cos^2(\beta)\right)+e^{i\gamma}\left(-3i\sin(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta
  +e^{-3i\gamma}(\cos^7(\beta)-4i\sin(\beta)\cos^6(\beta)-5\sin^2(\beta)\cos^5(\beta)+11i\sin^3(\beta)\cos^4(\beta)+11\sin^4(\beta)\cos^3(\beta)-5i\sin^5(\beta)\cos^2(\beta)-4\sin^6(\beta)\cos^6(\beta)
  +e^{-3i\gamma}\left(-3\sin^2(\beta)\cos^5(\beta)+4i\sin^3(\beta)\cos^4(\beta)+4\sin^4(\beta)\cos^3(\beta)-3i\sin^5(\beta)\cos^2(\beta)\right)\left(e^{-7i\gamma}\left(i\sin^3(\beta)\cos^4(\beta)+\sin^4(\beta)\cos^4(\beta)+\sin^4(\beta)\cos^3(\beta)+\sin^4(\beta)\cos^2(\beta)\right)\right)
+e^{5i\gamma}\left(-2\sin^2(\beta)\cos^5(\beta)+5i\sin^3(\beta)\cos^4(\beta)+5\sin^4(\beta)\cos^3(\beta)-2i\sin^5(\beta)\cos^2(\beta)\right)+e^{i\gamma}\left(-3i\sin(\beta)\cos^6(\beta)-11\sin^2(\beta)\cos^2(\beta)\cos^2(\beta)+2i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)
  +e^{-3i\gamma}(\cos^7(\beta)-4i\sin(\beta)\cos^6(\beta)-8\sin^2(\beta)\cos^5(\beta)+8i\sin^3(\beta)\cos^4(\beta)+8\sin^4(\beta)\cos^3(\beta)-8i\sin^5(\beta)\cos^2(\beta)-4\sin^6(\beta)\cos^6(\beta)
+e^{i\gamma}\left(-6\sin^2(\beta)\cos^5(\beta)+8i\sin^3(\beta)\cos^4(\beta)+8\sin^4(\beta)\cos^3(\beta)-6i\sin^5(\beta)\cos^2(\beta)\right)\left(e^{-7i\gamma}\left(i\sin^3(\beta)\cos^4(\beta)+\sin^4(\beta)\cos^3(\beta)+\sin^4(\beta)\cos^3(\beta)+\sin^4(\beta)\cos^3(\beta)+\sin^4(\beta)\cos^3(\beta)+\sin^4(\beta)\cos^3(\beta)+\sin^4(\beta)\cos^3(\beta)+\sin^4(\beta)\cos^3(\beta)+\sin^4(\beta)\cos^3(\beta)+\sin^4(\beta)\cos^3(\beta)+\sin^4(\beta)\cos^3(\beta)+\sin^4(\beta)\cos^3(\beta)+\sin^4(\beta)\cos^3(\beta)+\sin^4(\beta)\cos^3(\beta)+\sin^4(\beta)\cos^3(\beta)+\sin^4(\beta)\cos^3(\beta)+\sin^4(\beta)\cos^3(\beta)+\sin^4(\beta)\cos^3(\beta)+\sin^4(\beta)\cos^3(\beta)+\sin^4(\beta)\cos^3(\beta)+\sin^4(\beta)\cos^3(\beta)+\sin^4(\beta)\cos^3(\beta)+\sin^4(\beta)\cos^3(\beta)+\sin^4(\beta)\cos^3(\beta)+\sin^4(\beta)\cos^3(\beta)+\sin^4(\beta)\cos^3(\beta)+\sin^4(\beta)\cos^3(\beta)+\sin^4(\beta)\cos^3(\beta)+\sin^4(\beta)\cos^3(\beta)+\sin^4(\beta)\cos^3(\beta)+\sin^4(\beta)\cos^3(\beta)+\sin^4(\beta)\cos^3(\beta)+\sin^4(\beta)\cos^3(\beta)+\sin^4(\beta)\cos^3(\beta)+\sin^4(\beta)\cos^3(\beta)+\sin^4(\beta)\cos^3(\beta)+\sin^4(\beta)\cos^3(\beta)+\sin^4(\beta)\cos^3(\beta)+\sin^4(\beta)\cos^3(\beta)+\sin^4(\beta)\cos^3(\beta)+\sin^4(\beta)\cos^3(\beta)+\sin^4(\beta)\cos^3(\beta)+\sin^4(\beta)\cos^3(\beta)+\sin^4(\beta)\cos^3(\beta)+\sin^4(\beta)\cos^3(\beta)+\sin^4(\beta)\cos^3(\beta)+\sin^4(\beta)\cos^3(\beta)+\sin^4(\beta)\cos^3(\beta)+\sin^4(\beta)\cos^3(\beta)+\sin^4(\beta)\cos^3(\beta)+\sin^4(\beta)\cos^3(\beta)+\sin^4(\beta)\cos^3(\beta)+\sin^4(\beta)\cos^3(\beta)+\sin^2(\beta)\cos^3(\beta)+\sin^2(\beta)\cos^3(\beta)+\sin^2(\beta)\cos^3(\beta)+\sin^2(\beta)\cos^3(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2
  +e^{-3i\gamma}\left(-2i\sin(\beta)\cos^{6}(\beta)-8\sin^{2}(\beta)\cos^{5}(\beta)+11i\sin^{3}(\beta)\cos^{4}(\beta)+11\sin^{4}(\beta)\cos^{3}(\beta)-8i\sin^{5}(\beta)\cos^{2}(\beta)-2\sin^{6}(\beta)\cos^{5}(\beta)+11i\sin^{3}(\beta)\cos^{4}(\beta)+11\sin^{4}(\beta)\cos^{3}(\beta)-8i\sin^{5}(\beta)\cos^{2}(\beta)-2\sin^{6}(\beta)\cos^{5}(\beta)+11i\sin^{3}(\beta)\cos^{4}(\beta)+11\sin^{4}(\beta)\cos^{3}(\beta)-8i\sin^{5}(\beta)\cos^{5}(\beta)-2\sin^{6}(\beta)\cos^{5}(\beta)+11i\sin^{3}(\beta)\cos^{4}(\beta)+11\sin^{4}(\beta)\cos^{3}(\beta)-8i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{4}(\beta)\cos^{5}(\beta)+11i\sin^{4}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)+11i\sin^{5}(\beta)+11i\sin^{5}(\beta)+11i\sin^{5}(\beta)+11i\sin^{5}(\beta)+11i\sin^{5}(\beta)+1
  +e^{5i\gamma}\left(-i\sin(\beta)\cos^{6}(\beta)-3\sin^{2}(\beta)\cos^{5}(\beta)+3i\sin^{3}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{3}(\beta)-3i\sin^{5}(\beta)\cos^{2}(\beta)-\sin^{6}(\beta)\cos(\beta)\right)
  +e^{i\gamma}\left(\cos^{7}(\beta)-4i\sin(\beta)\cos^{6}(\beta)-10\sin^{2}(\beta)\cos^{5}(\beta)+\frac{120}{9}i\sin^{3}(\beta)\cos^{4}(\beta)+20\sin^{4}(\beta)\cos^{3}(\beta)-10i\sin^{5}(\beta)\cos^{2}(\beta)-4\sin^{6}(\beta)\cos^{2}(\beta)+\frac{120}{9}i\sin^{3}(\beta)\cos^{4}(\beta)+20\sin^{4}(\beta)\cos^{3}(\beta)-10i\sin^{5}(\beta)\cos^{2}(\beta)-4\sin^{6}(\beta)\cos^{6}(\beta)+\frac{120}{9}i\sin^{3}(\beta)\cos^{4}(\beta)+20\sin^{4}(\beta)\cos^{3}(\beta)-10i\sin^{5}(\beta)\cos^{5}(\beta)+\frac{120}{9}i\sin^{3}(\beta)\cos^{4}(\beta)+20\sin^{4}(\beta)\cos^{3}(\beta)-10i\sin^{5}(\beta)\cos^{5}(\beta)
  +e^{i\gamma}\left(-2i\sin(\beta)\cos^{6}(\beta)+5i\sin^{3}(\beta)\cos^{4}(\beta)+5\sin^{4}(\beta)\cos^{3}(\beta)-2\sin^{6}(\beta)\cos(\beta)\right)\left(e^{-7i\gamma}\left(-\sin^{2}(\beta)\cos^{5}(\beta)-i\sin^{5}(\beta)\cos^{2}(\beta)+\sin^{4}(\beta)\cos^{3}(\beta)+\sin^{4}(\beta)\cos^{3}(\beta)+\sin^{4}(\beta)\cos^{3}(\beta)+\sin^{4}(\beta)\cos^{3}(\beta)+\sin^{4}(\beta)\cos^{3}(\beta)+\sin^{4}(\beta)\cos^{3}(\beta)+\sin^{4}(\beta)\cos^{3}(\beta)+\sin^{4}(\beta)\cos^{3}(\beta)+\sin^{4}(\beta)\cos^{3}(\beta)+\sin^{4}(\beta)\cos^{3}(\beta)+\sin^{4}(\beta)\cos^{3}(\beta)+\sin^{4}(\beta)\cos^{3}(\beta)+\sin^{4}(\beta)\cos^{3}(\beta)+\sin^{4}(\beta)\cos^{3}(\beta)+\sin^{4}(\beta)\cos^{3}(\beta)+\sin^{4}(\beta)\cos^{3}(\beta)+\sin^{4}(\beta)\cos^{3}(\beta)+\sin^{4}(\beta)\cos^{3}(\beta)+\sin^{4}(\beta)\cos^{3}(\beta)+\sin^{4}(\beta)\cos^{3}(\beta)+\sin^{4}(\beta)\cos^{3}(\beta)+\sin^{4}(\beta)\cos^{3}(\beta)+\sin^{4}(\beta)\cos^{3}(\beta)+\sin^{4}(\beta)\cos^{3}(\beta)+\sin^{4}(\beta)\cos^{3}(\beta)+\sin^{4}(\beta)\cos^{3}(\beta)+\sin^{4}(\beta)\cos^{3}(\beta)+\sin^{4}(\beta)\cos^{3}(\beta)+\sin^{4}(\beta)\cos^{3}(\beta)+\sin^{4}(\beta)\cos^{3}(\beta)+\sin^{4}(\beta)\cos^{3}(\beta)+\sin^{4}(\beta)\cos^{3}(\beta)+\sin^{4}(\beta)\cos^{3}(\beta)+\sin^{4}(\beta)\cos^{3}(\beta)+\sin^{4}(\beta)\cos^{3}(\beta)+\sin^{4}(\beta)\cos^{3}(\beta)+\sin^{4}(\beta)\cos^{3}(\beta)+\sin^{4}(\beta)\cos^{3}(\beta)+\sin^{4}(\beta)\cos^{3}(\beta)+\sin^{4}(\beta)\cos^{3}(\beta)+\sin^{4}(\beta)\cos^{3}(\beta)+\sin^{4}(\beta)\cos^{3}(\beta)+\sin^{4}(\beta)\cos^{3}(\beta)+\sin^{4}(\beta)\cos^{3}(\beta)+\sin^{4}(\beta)\cos^{3}(\beta)+\sin^{4}(\beta)\cos^{3}(\beta)+\sin^{4}(\beta)\cos^{3}(\beta)+\sin^{4}(\beta)\cos^{3}(\beta)+\sin^{4}(\beta)\cos^{3}(\beta)+\sin^{4}(\beta)\cos^{3}(\beta)+\sin^{4}(\beta)\cos^{3}(\beta)+\sin^{4}(\beta)\cos^{3}(\beta)+\sin^{4}(\beta)\cos^{3}(\beta)+\sin^{4}(\beta)\cos^{3}(\beta)+\sin^{4}(\beta)\cos^{3}(\beta)+\sin^{4}(\beta)\cos^{3}(\beta)+\sin^{4}(\beta)\cos^{3}(\beta)+\sin^{4}(\beta)\cos^{3}(\beta)+\sin^{4}(\beta)\cos^{3}(\beta)+\sin^{4}(\beta)\cos^{3}(\beta)+\sin^{4}(\beta)\cos^{3}(\beta)+\sin^{4}(\beta)\cos^{3}(\beta)+\sin^{4}(\beta)\cos^{3}(\beta)+\sin^{4}(\beta)\cos^{3}(\beta)+\sin^{4}(\beta)\cos^{3}(\beta)+\sin^{4}(\beta)\cos^{3}(\beta)+\sin^{4}(\beta)\cos^{3}(\beta)+\sin^{4}(\beta)\cos^{3}(\beta)+\sin^{4}(\beta)\cos^{3}(\beta)+\sin^{4}(\beta)\cos^{3}(\beta)+\sin^{4}(\beta)\cos^{3}(\beta)+\sin^{4}(\beta)\cos^{3}(\beta)+\sin^{4}(\beta)\cos^{3}(\beta)+\sin^{4}(\beta)\cos^{3}(\beta)+\sin^{4}(\beta)\cos^{3}(\beta)+\sin^{4}(\beta)\cos^{3}(\beta)+\sin^{4}(\beta)\cos^{3}(\beta)+\sin^{4}(\beta)\cos^{3}(\beta)+\sin^{4}(\beta)\cos^{3}(\beta)+\sin^{4}(\beta)\cos^{3}(\beta)+\sin^{4}(\beta)\cos^{3}(\beta)+\sin^{4}(\beta)\cos^{3}(\beta)+\sin^{4}(\beta)\cos^{3}(\beta)+\sin^{4}(\beta)\cos^{3}(\beta)+\sin^{4}(\beta)\cos^{3}(\beta)+\sin^{4}(\beta)\cos^{3}(\beta)+\sin^{4}(\beta)\cos^{3}(\beta)+\sin^{4}(\beta)\cos^{3}(\beta)+\sin^{4}(\beta)\cos^{3}(\beta)+\sin^{4}(\beta)\cos^{3}(\beta)+\sin^{4}(\beta)\cos^{4}(\beta)+\sin^{4}(\beta)\cos^{4}(\beta)+\sin^{4}(\beta)\cos^{4}(\beta)+\sin^{4}(\beta)\cos^{4}(\beta)+\sin^{4}(\beta)\cos^{4}(\beta)+\sin^{4}(\beta)\cos^{4}(\beta)+\sin^{4}(\beta)\cos^{4}(\beta)+\sin^{4}(\beta)\cos^{4}(\beta)+\sin^{4}(\beta)\cos^{4}(\beta)+\sin^{4}(\beta)\cos^{4}(\beta)+\sin^{4}(\beta)\cos^{4}(\beta)+\sin^{4}(\beta)\cos^{4}(\beta)+\sin^{4}(\beta)\cos^{4}(\beta)+\sin^{4}(\beta)\cos^{4}(\beta)+\sin^{4}(\beta)\cos^{4}(\beta)+\sin^{4}(\beta)\cos^{4}(\beta)+\sin^{4}(\beta)\cos^{4}(\beta)+\sin^{4}(\beta)\cos^{4}(\beta)+\sin^{4}(\beta)\cos^{4}(\beta)+\sin^{4}(\beta)\cos^{4}(\beta)+\sin^{4}(\beta)\cos^{4}(\beta)+\sin^{4}(\beta)\cos^{4}(\beta)+\sin^{4}(\beta)\cos^{4}(\beta
+e^{-3i\gamma}\left(-2i\sin(\beta)\cos^{6}(\beta)-5\sin^{2}(\beta)\cos^{5}(\beta)+14i\sin^{3}(\beta)\cos^{4}(\beta)+14\sin^{4}(\beta)\cos^{3}(\beta)-5i\sin^{5}(\beta)\cos^{2}(\beta)-2\sin^{6}(\beta)\cos^{5}(\beta)+14i\sin^{3}(\beta)\cos^{4}(\beta)+14\sin^{4}(\beta)\cos^{3}(\beta)-5i\sin^{5}(\beta)\cos^{2}(\beta)-2\sin^{6}(\beta)\cos^{5}(\beta)+14i\sin^{3}(\beta)\cos^{4}(\beta)+14\sin^{4}(\beta)\cos^{3}(\beta)-5i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{4}(\beta)\cos^{5}(\beta)+14i\sin^{4}(\beta)\cos^{5}(\beta)+14i\sin^{4}(\beta)\cos^{5}(\beta)+14i\sin^{4}(\beta)\cos^{5}(\beta)+14i\sin^{4}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)+14i\sin^{5}(\beta)+14i\sin^{5}(\beta)+14i\sin^{5}(\beta)+14i\sin^{5}(\beta)+14i\sin^{5}(
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(e^{7i\gamma}(i\cos^2(\beta)\sin^5(\beta)-\cos^5(\beta)\sin^2(\beta))(e^{-5i\gamma}(7\cos^3(\beta)\sin^4(\beta)-7i\cos^4(\beta)\sin^3(\beta))
 +e^{-i\gamma}\left(-14\sin^2(\beta)\cos^5(\beta)-21i\sin^3(\beta)\cos^4(\beta)+21\sin^4(\beta)\cos^3(\beta)+14i\sin^5(\beta)\cos^2(\beta)\right)
+e^{3i\gamma}(7i\sin(\beta)\cos^6(\beta)-7\sin^2(\beta)\cos^5(\beta)-7i\sin^3(\beta)\cos^4(\beta)+7\sin^4(\beta)\cos^3(\beta)+7i\sin^5(\beta)\cos^2(\beta)-7\sin^6(\beta)\cos(\beta))
+e^{7i\gamma}\left(\cos^{7}(\beta)-i\sin^{7}(\beta)\right)+e^{-i\gamma}\left(i\sin(\beta)\cos^{6}(\beta)-2\sin^{2}(\beta)\cos^{5}(\beta)-4i\sin^{3}(\beta)\cos^{4}(\beta)\right)
 +4\sin^4(\beta)\cos^3(\beta) + 2i\sin^5(\beta)\cos^2(\beta) - \sin^6(\beta)\cos(\beta)) (e^{7i\gamma}(\cos^3(\beta)\sin^4(\beta) - i\cos^4(\beta)\sin^3(\beta))
 +e^{-5i\gamma}\left(-2\sin^2(\beta)\cos^5(\beta)-5i\sin^3(\beta)\cos^4(\beta)+5\sin^4(\beta)\cos^3(\beta)+2i\sin^5(\beta)\cos^2(\beta)\right)
+e^{3i\gamma}\left(i\sin(\beta)\cos^{6}(\beta)-7\sin^{2}(\beta)\cos^{5}(\beta)-13i\sin^{3}(\beta)\cos^{4}(\beta)+13\sin^{4}(\beta)\cos^{3}(\beta)+7i\sin^{5}(\beta)\cos^{2}(\beta)-\sin^{6}(\beta)\cos(\beta)\right)
+e^{-i\gamma}\left(\cos^{7}(\beta)+6i\sin(\beta)\cos^{6}(\beta)-12\sin^{2}(\beta)\cos^{5}(\beta)-16i\sin^{3}(\beta)\cos^{4}(\beta)+16\sin^{4}(\beta)\cos^{3}(\beta)+12i\sin^{5}(\beta)\cos^{2}(\beta)-6\sin^{6}(\beta)\cos^{2}(\beta)+16i\sin^{4}(\beta)\cos^{3}(\beta)+16i\sin^{4}(\beta)\cos^{2}(\beta)+16i\sin^{4}(\beta)\cos^{2}(\beta)+16i\sin^{4}(\beta)\cos^{2}(\beta)+16i\sin^{4}(\beta)\cos^{2}(\beta)+16i\sin^{4}(\beta)\cos^{2}(\beta)+16i\sin^{4}(\beta)\cos^{2}(\beta)+16i\sin^{4}(\beta)\cos^{2}(\beta)+16i\sin^{4}(\beta)\cos^{2}(\beta)+16i\sin^{4}(\beta)\cos^{2}(\beta)+16i\sin^{4}(\beta)\cos^{2}(\beta)+16i\sin^{4}(\beta)\cos^{2}(\beta)+16i\sin^{4}(\beta)\cos^{2}(\beta)+16i\sin^{4}(\beta)\cos^{2}(\beta)+16i\sin^{4}(\beta)\cos^{2}(\beta)+16i\sin^{4}(\beta)\cos^{2}(\beta)+16i\sin^{4}(\beta)\cos^{2}(\beta)+16i\sin^{4}(\beta)\cos^{2}(\beta)+16i\sin^{4}(\beta)\cos^{2}(\beta)+16i\sin^{4}(\beta)\cos^{2}(\beta)+16i\sin^{4}(\beta)\cos^{2}(\beta)+16i\sin^{4}(\beta)\cos^{2}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)+16i\sin^{4}(\beta)+16i\sin^{4}(\beta)+16i\sin^{4}(\beta)+16i\sin^{4}(\beta)+16i\sin^{4}(\beta)+16i\sin^{4}(\beta)+16i\sin^{4}(\beta)+16i\sin^{4}(\beta)+16i\sin^{4}(\beta)+16i\sin^{4}(\beta)+16
 +e^{3i\gamma}(\cos^7(\beta)-2\sin^2(\beta)\cos^5(\beta)-4i\sin^3(\beta)\cos^4(\beta)+4\sin^4(\beta)\cos^3(\beta)
 +2i\sin^{5}(\beta)\cos^{2}(\beta)-i\sin^{7}(\beta))\left(e^{7i\gamma}\left(i\cos^{2}(\beta)\sin^{5}(\beta)-\cos^{5}(\beta)\sin^{2}(\beta)\right)\right)
+e^{-5i\gamma}\left(-\sin^2(\beta)\cos^5(\beta)-6i\sin^3(\beta)\cos^4(\beta)+6\sin^4(\beta)\cos^3(\beta)+i\sin^5(\beta)\cos^2(\beta)\right)
 +e^{-i\gamma}\left(3i\sin(\beta)\cos^{6}(\beta)-14\sin^{2}(\beta)\cos^{5}(\beta)-18i\sin^{3}(\beta)\cos^{4}(\beta)+18\sin^{4}(\beta)\cos^{3}(\beta)+14i\sin^{5}(\beta)\cos^{2}(\beta)-3\sin^{6}(\beta)\cos(\beta)\right)
 +e^{3i\gamma}\left(\cos^{7}(\beta)+4i\sin(\beta)\cos^{6}(\beta)-5\sin^{2}(\beta)\cos^{5}(\beta)-11i\sin^{3}(\beta)\cos^{4}(\beta)+11\sin^{4}(\beta)\cos^{3}(\beta)+5i\sin^{5}(\beta)\cos^{2}(\beta)-4\sin^{6}(\beta)\cos^{6}(\beta)\right)
+e^{3i\gamma}(2i\sin(\beta)\cos^{6}(\beta)-3\sin^{2}(\beta)\cos^{5}(\beta)-2i\sin^{3}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{3}(\beta)
+3i\sin^5(\beta)\cos^2(\beta)-2\sin^6(\beta)\cos(\beta) \left(e^{7i\gamma}\left(\cos^3(\beta)\sin^4(\beta)-i\cos^4(\beta)\sin^3(\beta)\right)\right)
 +e^{-5i\gamma}\left(-2\sin^2(\beta)\cos^5(\beta)-5i\sin^3(\beta)\cos^4(\beta)+5\sin^4(\beta)\cos^3(\beta)+2i\sin^5(\beta)\cos^2(\beta)\right)
+e^{-i\gamma}(3i\sin(\beta)\cos^6(\beta)-11\sin^2(\beta)\cos^5(\beta)-21i\sin^3(\beta)\cos^4(\beta)+21\sin^4(\beta)\cos^3(\beta)+11i\sin^5(\beta)\cos^2(\beta)-3\sin^6(\beta)\cos(\beta)
+e^{3i\gamma}(\cos^7(\beta)+4i\sin(\beta)\cos^6(\beta)-8\sin^2(\beta)\cos^5(\beta)-8i\sin^3(\beta)\cos^4(\beta)+8\sin^4(\beta)\cos^3(\beta)+8i\sin^5(\beta)\cos^2(\beta)-4\sin^6(\beta)\cos^6(\beta)
 +e^{-i\gamma}\left(2i\sin(\beta)\cos^{6}(\beta)-4\sin^{2}(\beta)\cos^{5}(\beta)-8i\sin^{3}(\beta)\cos^{4}(\beta)+8\sin^{4}(\beta)\cos^{3}(\beta)+4i\sin^{5}(\beta)\cos^{2}(\beta)-2\sin^{6}(\beta)\cos(\beta)\right)\left(e^{7i\beta}\cos^{2}(\beta)-6\sin^{2}(\beta)\cos^{2}(\beta)-6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{
 +e^{3i\gamma}\left(2i\sin(\beta)\cos^{6}(\beta)-8\sin^{2}(\beta)\cos^{5}(\beta)-11i\sin^{3}(\beta)\cos^{4}(\beta)+11\sin^{4}(\beta)\cos^{3}(\beta)+8i\sin^{5}(\beta)\cos^{2}(\beta)-2\sin^{6}(\beta)\cos(\beta)\right)
 +e^{-5i\gamma}\left(i\sin(\beta)\cos^{6}(\beta)-3\sin^{2}(\beta)\cos^{5}(\beta)-3i\sin^{3}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{3}(\beta)+3i\sin^{5}(\beta)\cos^{2}(\beta)-\sin^{6}(\beta)\cos(\beta)\right)
 +e^{-i\gamma}\left(\cos^{7}(\beta)+4i\sin(\beta)\cos^{6}(\beta)-10\sin^{2}(\beta)\cos^{5}(\beta)-20i\sin^{3}(\beta)\cos^{4}(\beta)+20\sin^{4}(\beta)\cos^{3}(\beta)+10i\sin^{5}(\beta)\cos^{2}(\beta)-4\sin^{6}(\beta)\cos^{6}(\beta)+20\sin^{4}(\beta)\cos^{6}(\beta)+10i\sin^{5}(\beta)\cos^{6}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\sin^{5}(\beta)+10i\sin^{5}(\beta)\sin^{5}(\beta)+10i\sin^{5}(\beta)\sin^{5}(\beta)+10i\sin^{5}(\beta)\sin^{5}(\beta)+10i\sin^{5}(\beta)+10i\sin^{5}(\beta)+10i\sin^{5}(\beta)+10i\sin^{5}(\beta)+10i\sin^{5}(\beta)+10i\sin^{5}(\beta)+10i\sin^{5}(\beta)+10i\sin^{5}(\beta)+10i\sin^{5}(\beta)+10i\sin^{5}(\beta)+10i\sin^{5}(\beta)+10i
 +e^{-i\gamma}\left(-4\sin^2(\beta)\cos^5(\beta)-3i\sin^3(\beta)\cos^4(\beta)+3\sin^4(\beta)\cos^3(\beta)+4i\sin^5(\beta)\cos^2(\beta)\right)\left(e^{7i\gamma}\left(i\cos^2(\beta)\sin^5(\beta)-\cos^5(\beta)\sin^2(\beta)\cos^2(\beta)\right)\right)
 +e^{3i\gamma}\left(2i\sin(\beta)\cos^{6}(\beta)-5\sin^{2}(\beta)\cos^{5}(\beta)-14i\sin^{3}(\beta)\cos^{4}(\beta)+14\sin^{4}(\beta)\cos^{3}(\beta)+5i\sin^{5}(\beta)\cos^{2}(\beta)-2\sin^{6}(\beta)\cos(\beta)\right)
+e^{-5i\gamma}\left(i\sin(\beta)\cos^{6}(\beta)-2\sin^{2}(\beta)\cos^{5}(\beta)-4i\sin^{3}(\beta)\cos^{4}(\beta)+4\sin^{4}(\beta)\cos^{3}(\beta)+2i\sin^{5}(\beta)\cos^{2}(\beta)-\sin^{6}(\beta)\cos(\beta)\right)
 +e^{-i\gamma}\left(\cos^{7}(\beta)+4i\sin(\beta)\cos^{6}(\beta)-13\sin^{2}(\beta)\cos^{5}(\beta)-17i\sin^{3}(\beta)\cos^{4}(\beta)+17\sin^{4}(\beta)\cos^{3}(\beta)+13i\sin^{5}(\beta)\cos^{2}(\beta)-4\sin^{6}(\beta)\cos^{2}(\beta)+13i\sin^{5}(\beta)\cos^{2}(\beta)+13i\sin^{5}(\beta)\cos^{2}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)+13i\sin^{5}(\beta)+13i\sin^{5}(\beta)+13i\sin^{5}(\beta)+13i\sin^{5}(\beta)+13i\sin^{5}(\beta)+13i\sin^{5}(\beta)+13i\sin^{5}(\beta)+13i\sin^{5}(\beta)+13i\sin^{5}(\beta)+13i\sin^{5}(\beta)+13i\sin^{5}(\beta)+13i\sin^{5}(\beta
 +e^{-5i\gamma}\left(-\sin^2(\beta)\cos^5(\beta)-6i\sin^3(\beta)\cos^4(\beta)+6\sin^4(\beta)\cos^3(\beta)+i\sin^5(\beta)\cos^2(\beta)\right)\left(e^{7i\gamma}\left(\cos^3(\beta)\sin^4(\beta)-i\cos^4(\beta)\sin^3(\beta)\cos^3(\beta)+i\sin^5(\beta)\cos^2(\beta)\right)\right)
+e^{3i\gamma}\left(-6\sin^{2}(\beta)\cos^{5}(\beta)-15i\sin^{3}(\beta)\cos^{4}(\beta)+15\sin^{4}(\beta)\cos^{3}(\beta)+6i\sin^{5}(\beta)\cos^{2}(\beta)\right)+e^{-i\gamma}\left(5i\sin(\beta)\cos^{6}(\beta)-13\sin^{2}(\beta)\cos^{4}(\beta)+15\sin^{4}(\beta)\cos^{3}(\beta)+6i\sin^{5}(\beta)\cos^{2}(\beta)\right)+e^{-i\gamma}\left(5i\sin(\beta)\cos^{6}(\beta)-13\sin^{2}(\beta)\cos^{4}(\beta)+15\sin^{4}(\beta)\cos^{3}(\beta)+6i\sin^{5}(\beta)\cos^{2}(\beta)\right)+e^{-i\gamma}\left(5i\sin(\beta)\cos^{6}(\beta)-13\sin^{2}(\beta)\cos^{4}(\beta)+15\sin^{4}(\beta)\cos^{3}(\beta)+6i\sin^{5}(\beta)\cos^{2}(\beta)\right)+e^{-i\gamma}\left(5i\sin(\beta)\cos^{6}(\beta)-13\sin^{2}(\beta)\cos^{4}(\beta)+15\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{5}(\beta)\cos^{4}(\beta)\right)+e^{-i\gamma}\left(5i\sin(\beta)\cos^{6}(\beta)-13\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{5}(\beta)\cos^{4}(\beta)+6i\sin^{5}(\beta)\cos^{4}(\beta)\right)+e^{-i\gamma}\left(5i\sin(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)+6i\sin^{4}(\beta)+6i\sin^{4}(\beta)+6i\sin^{4}(\beta)+6i\sin^{4}(\beta)+6i\sin^{4}(\beta)+6i\sin^{4}(\beta)+6i\sin^{4}(\beta)+6i\sin^{4}(\beta)+6i\sin^{4}(\beta)+6i\sin^{4}(\beta)+6i\sin^{4}(\beta)+6i\sin^{4}(\beta)+6i\sin^{4}(\beta)+6i\sin^{4}(\beta)+6i\sin^{4}(\beta)+6i\sin^{4}(\beta)+6i\sin^{4}(\beta)+6i\sin^{4}
+e^{-5i\gamma}(\cos^7(\beta)+2i\sin(\beta)\cos^6(\beta)-2\sin^2(\beta)\cos^5(\beta)-2i\sin^3(\beta)\cos^4(\beta)+2\sin^4(\beta)\cos^3(\beta)+2i\sin^5(\beta)\cos^2(\beta)-2\sin^6(\beta)\cos^6(\beta)
 +e^{3i\gamma}\left(2i\sin(\beta)\cos^{6}(\beta)-5i\sin^{3}(\beta)\cos^{4}(\beta)+5\sin^{4}(\beta)\cos^{3}(\beta)-2\sin^{6}(\beta)\cos(\beta)\right)\left(e^{-5i\gamma}\left(-3\sin^{2}(\beta)\cos^{5}(\beta)-4i\sin^{3}(\beta)\cos^{4}(\beta)+5\sin^{4}(\beta)\cos^{3}(\beta)-2\sin^{6}(\beta)\cos(\beta)\right)\right)
+e^{-i\gamma}\left(4i\sin(\beta)\cos^{6}(\beta)-9\sin^{2}(\beta)\cos^{5}(\beta)-22i\sin^{3}(\beta)\cos^{4}(\beta)+22\sin^{4}(\beta)\cos^{3}(\beta)+9i\sin^{5}(\beta)\cos^{2}(\beta)-4\sin^{6}(\beta)\cos(\beta)\right)
+e^{7i\gamma}(i\cos^{6}(\beta)\sin(\beta)-\cos(\beta)\sin^{6}(\beta))+e^{3i\gamma}(\cos^{7}(\beta)+2i\sin(\beta)\cos^{6}(\beta)-9\sin^{2}(\beta)\cos^{5}(\beta)-9i\sin^{3}(\beta)\cos^{4}(\beta)+9\sin^{4}(\beta)\cos^{6}(\beta)\sin^{6}(\beta)\cos^{6}(\beta)\sin^{6}(\beta)\cos^{6}(\beta)\sin^{6}(\beta)\cos^{6}(\beta)\sin^{6}(\beta)\cos^{6}(\beta)\sin^{6}(\beta)\cos^{6}(\beta)\sin^{6}(\beta)\cos^{6}(\beta)\sin^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\sin^{6}(\beta)\cos^{6}(\beta)\sin^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\sin^{6}(\beta)\cos^{6}(\beta)\sin^{6}(\beta)\cos^{6}(\beta)\sin^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos
 +e^{-i\gamma}\left(-4\sin^2(\beta)\cos^5(\beta)-3i\sin^3(\beta)\cos^4(\beta)+3\sin^4(\beta)\cos^3(\beta)+4i\sin^5(\beta)\cos^2(\beta)\right)\left(e^{7i\gamma}\left(i\cos^2(\beta)\sin^5(\beta)-\cos^5(\beta)\sin^2(\beta)\sin^2(\beta)\cos^2(\beta)\right)\right)
+e^{3i\gamma}(3i\sin(\beta)\cos^6(\beta)-6\sin^2(\beta)\cos^5(\beta)-12i\sin^3(\beta)\cos^4(\beta)+12\sin^4(\beta)\cos^3(\beta)+6i\sin^5(\beta)\cos^2(\beta)-3\sin^6(\beta)\cos(\beta))
 +e^{-5i\gamma}\left(2i\sin(\beta)\cos^{6}(\beta)-3\sin^{2}(\beta)\cos^{5}(\beta)-2i\sin^{3}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{3}(\beta)+3i\sin^{5}(\beta)\cos^{2}(\beta)-2\sin^{6}(\beta)\cos(\beta)\right)
 +e^{-i\gamma}\left(\cos^{7}(\beta)+2i\sin(\beta)\cos^{6}(\beta)-11\sin^{2}(\beta)\cos^{5}(\beta)-21i\sin^{3}(\beta)\cos^{4}(\beta)+21\sin^{4}(\beta)\cos^{3}(\beta)+11i\sin^{5}(\beta)\cos^{2}(\beta)-2\sin^{6}(\beta)\cos^{2}(\beta)+2i\sin^{4}(\beta)\cos^{2}(\beta)+2i\sin^{4}(\beta)\cos^{2}(\beta)+2i\sin^{4}(\beta)\cos^{2}(\beta)+2i\sin^{4}(\beta)\cos^{2}(\beta)+2i\sin^{4}(\beta)\cos^{2}(\beta)+2i\sin^{4}(\beta)\cos^{2}(\beta)+2i\sin^{4}(\beta)\cos^{2}(\beta)+2i\sin^{4}(\beta)\cos^{2}(\beta)+2i\sin^{4}(\beta)\cos^{2}(\beta)+2i\sin^{4}(\beta)\cos^{2}(\beta)+2i\sin^{4}(\beta)\cos^{2}(\beta)+2i\sin^{4}(\beta)\cos^{2}(\beta)+2i\sin^{4}(\beta)\cos^{2}(\beta)+2i\sin^{4}(\beta)\cos^{2}(\beta)+2i\sin^{4}(\beta)\cos^{2}(\beta)+2i\sin^{4}(\beta)\cos^{2}(\beta)+2i\sin^{4}(\beta)\cos^{2}(\beta)+2i\sin^{4}(\beta)\cos^{2}(\beta)+2i\sin^{4}(\beta)\cos^{2}(\beta)+2i\sin^{4}(\beta)\cos^{2}(\beta)+2i\sin^{4}(\beta)\cos^{2}(\beta)+2i\sin^{4}(\beta)\cos^{2}(\beta)+2i\sin^{4}(\beta)\cos^{2}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)+2i\sin^{4}(\beta)+2i\sin^{4}(\beta)+2i\sin^{4}(\beta)+2i\sin^{4}(\beta)+2i\sin^{4}(\beta)+2i\sin^{
    (e^{-7i\gamma}(-\sin^2(\beta)\cos^5(\beta)-i\sin^5(\beta)\cos^2(\beta))(e^{5i\gamma}(7i\sin^3(\beta)\cos^4(\beta)+7\sin^4(\beta)\cos^3(\beta))+e^{i\gamma}(-14\sin^2(\beta)\cos^5(\beta)+21i\sin^2(\beta)\cos^2(\beta))
 +e^{-3i\gamma}\left(-7i\sin(\beta)\cos^{6}(\beta)-7\sin^{2}(\beta)\cos^{5}(\beta)+7i\sin^{3}(\beta)\cos^{4}(\beta)+7\sin^{4}(\beta)\cos^{3}(\beta)-7i\sin^{5}(\beta)\cos^{2}(\beta)-7\sin^{6}(\beta)\cos(\beta)\right)
 +e^{-7i\gamma}(\cos^7(\beta)+i\sin^7(\beta)))+e^{i\gamma}(-i\sin(\beta)\cos^6(\beta)-2\sin^2(\beta)\cos^5(\beta)+4i\sin^3(\beta)\cos^4(\beta)+4\sin^4(\beta)\cos^3(\beta)-2i\sin^5(\beta)\cos^6(\beta)
 -\sin^{6}(\beta)\cos(\beta))\left(e^{-7i\gamma}\left(i\sin^{3}(\beta)\cos^{4}(\beta)+\sin^{4}(\beta)\cos^{3}(\beta)\right)+e^{5i\gamma}\left(-2\sin^{2}(\beta)\cos^{5}(\beta)+5i\sin^{3}(\beta)\cos^{4}(\beta)+5\sin^{4}(\beta)\cos^{3}(\beta)\right)+e^{5i\gamma}\left(-2\sin^{2}(\beta)\cos^{5}(\beta)+5i\sin^{3}(\beta)\cos^{4}(\beta)+5\sin^{4}(\beta)\cos^{3}(\beta)\right)+e^{5i\gamma}\left(-2\sin^{2}(\beta)\cos^{5}(\beta)+5i\sin^{3}(\beta)\cos^{4}(\beta)+5\sin^{4}(\beta)\cos^{3}(\beta)\right)+e^{5i\gamma}\left(-2\sin^{2}(\beta)\cos^{5}(\beta)+5i\sin^{3}(\beta)\cos^{4}(\beta)+5\sin^{4}(\beta)\cos^{3}(\beta)\right)+e^{5i\gamma}\left(-2\sin^{2}(\beta)\cos^{5}(\beta)+5i\sin^{3}(\beta)\cos^{4}(\beta)+5\sin^{4}(\beta)\cos^{3}(\beta)\right)+e^{5i\gamma}\left(-2\sin^{2}(\beta)\cos^{5}(\beta)+5i\sin^{3}(\beta)\cos^{4}(\beta)+5\sin^{4}(\beta)\cos^{3}(\beta)\right)+e^{5i\gamma}\left(-2\sin^{2}(\beta)\cos^{5}(\beta)+5i\sin^{3}(\beta)\cos^{4}(\beta)+5\sin^{4}(\beta)\cos^{3}(\beta)\right)+e^{5i\gamma}\left(-2\sin^{2}(\beta)\cos^{5}(\beta)+5i\sin^{4}(\beta)\cos^{4}(\beta)+5i\sin^{4}(\beta)\cos^{3}(\beta)\right)+e^{5i\gamma}\left(-2\sin^{2}(\beta)\cos^{5}(\beta)+5i\sin^{4}(\beta)\cos^{4}(\beta)+5i\sin^{4}(\beta)\cos^{5}(\beta)+5i\sin^{4}(\beta)\cos^{5}(\beta)+5i\sin^{4}(\beta)\cos^{5}(\beta)+5i\sin^{5}(\beta)\cos^{5}(\beta)+5i\sin^{5}(\beta)\cos^{5}(\beta)+5i\sin^{5}(\beta)\cos^{5}(\beta)+5i\sin^{5}(\beta)\cos^{5}(\beta)+5i\sin^{5}(\beta)\cos^{5}(\beta)+5i\sin^{5}(\beta)\cos^{5}(\beta)+5i\sin^{5}(\beta)\cos^{5}(\beta)+5i\sin^{5}(\beta)\cos^{5}(\beta)+5i\sin^{5}(\beta)\cos^{5}(\beta)+5i\sin^{5}(\beta)\cos^{5}(\beta)+5i\sin^{5}(\beta)\cos^{5}(\beta)+5i\sin^{5}(\beta)\cos^{5}(\beta)+5i\sin^{5}(\beta)\cos^{5}(\beta)+5i\sin^{5}(\beta)\cos^{5}(\beta)+5i\sin^{5}(\beta)\cos^{5}(\beta)+5i\sin^{5}(\beta)\cos^{5}(\beta)+5i\sin^{5}(\beta)\cos^{5}(\beta)+5i\sin^{5}(\beta)\cos^{5}(\beta)+5i\sin^{5}(\beta)\cos^{5}(\beta)+5i\sin^{5}(\beta)\cos^{5}(\beta)+5i\sin^{5}(\beta)\cos^{5}(\beta)+5i\sin^{5}(\beta)\cos^{5}(\beta)+5i\sin^{5}(\beta)\cos^{5}(\beta)+5i\sin^{5}(\beta)\cos^{5}(\beta)+5i\sin^{5}(\beta)\cos^{5}(\beta)+5i\sin^{5}(\beta)\cos^{5}(\beta)+5i\sin^{5}(\beta)\cos^{5}(\beta)+5i\sin^{5}(\beta)\cos^{5}(\beta)+5i\sin^{5}(\beta)\cos^{5}(\beta)+5i\sin^{5}(\beta)\cos^{5}(\beta)+5i\sin^{5}(\beta)\cos^{5}(\beta)+5i\sin^{5}(\beta)\cos^{5}(\beta)+5i\sin^{5}(\beta)\cos^{5}(\beta)+5i\sin^{5}(\beta)\cos^{5}(\beta)+5i\sin^{5}(\beta)\cos^{5}(\beta)+5i\sin^{5}(\beta)\cos^{5}(\beta)+5i\sin^{5}(\beta)\cos^{5}(\beta)+5i\sin^{5}(\beta)\cos^{5}(\beta)+5i\sin^{5}(\beta)\cos^{5}(\beta)+5i\sin^{5}(\beta)\cos^{5}(\beta)+5i\sin^{5}(\beta)\cos^{5}(\beta)+5i\sin^{5}(\beta)\cos^{5}(\beta)+5i\sin^{5}(\beta)\cos^{5}(\beta)+5i\sin^{5}(\beta)\cos^{5}(\beta)+5i\sin^{5}(\beta)\cos^{5}(\beta)+5i\sin^{5}(\beta)\cos^{5}(\beta)+5i\sin^{5}(\beta)\cos^{5}(\beta)+5i\sin^{5}(\beta)\cos^{5}(\beta)+5i\sin^{5}(\beta)\cos^{5}(\beta)+5i\sin^{5}(\beta)\cos^{5}(\beta)+5i\sin^{5}(\beta)\cos^{5}(\beta)+5i\sin^{5}(\beta)\cos^{5}(\beta)+5i\sin^{5}(\beta)\cos^{5}(\beta)+5i\sin^{5}(\beta)\cos^{5}(\beta)+5i\sin^{5}(\beta)\cos^{5}(\beta)+5i\sin^{5}(\beta)\cos^{5}(\beta)+5i\sin^{5}(\beta)\cos^{5}(\beta)+5i\sin^{5}(\beta)\cos^{5}(\beta)+5i\sin^{5}(\beta)\cos^{5}(\beta)+5i\sin^{5}(\beta)\cos^{5}(\beta)+5i\sin^{5}(\beta)\cos^{5}(\beta)+5i\sin^{5}(\beta)\cos^{5}(\beta)+5i\sin^{5}(\beta)\cos^{5}(\beta)+5i\sin^{5}(\beta)\cos^{5}(\beta)+5i\sin^{5}(\beta)\cos^{5}(\beta)+5i\sin^{5}(\beta)\cos^{5}(\beta)+5i\sin^{5}(\beta)\cos^{5}(\beta)+5i\sin^{5}(\beta)+5i\sin^{5}(\beta)+5i\sin^{5}(\beta)+5i\sin^{5}(\beta)+5i\sin^{5}(\beta)+5i\sin^{5}(\beta)+5
 +e^{-3i\gamma}\left(-i\sin(\beta)\cos^{6}(\beta)-7\sin^{2}(\beta)\cos^{5}(\beta)+13i\sin^{3}(\beta)\cos^{4}(\beta)+13\sin^{4}(\beta)\cos^{3}(\beta)-7i\sin^{5}(\beta)\cos^{2}(\beta)-\sin^{6}(\beta)\cos(\beta)\right)
+e^{i\gamma}\left(\cos^{7}(\beta)-6i\sin(\beta)\cos^{6}(\beta)-12\sin^{2}(\beta)\cos^{5}(\beta)+16i\sin^{3}(\beta)\cos^{4}(\beta)+16\sin^{4}(\beta)\cos^{3}(\beta)-12i\sin^{5}(\beta)\cos^{2}(\beta)-6\sin^{6}(\beta)\cos^{6}(\beta)\right)
 +e^{-3i\gamma}\left(\cos^{7}(\beta)-2\sin^{2}(\beta)\cos^{5}(\beta)+4i\sin^{3}(\beta)\cos^{4}(\beta)+4\sin^{4}(\beta)\cos^{3}(\beta)-2i\sin^{5}(\beta)\cos^{2}(\beta)+i\sin^{7}(\beta)\right)\left(e^{-7i\gamma}\left(-\sin^{2}(\beta)\cos^{4}(\beta)+4\sin^{4}(\beta)\cos^{3}(\beta)-2\sin^{5}(\beta)\cos^{2}(\beta)+i\sin^{7}(\beta)\right)\right)
+e^{5i\gamma}\left(-\sin^2(\beta)\cos^5(\beta)+6i\sin^3(\beta)\cos^4(\beta)+6\sin^4(\beta)\cos^3(\beta)-i\sin^5(\beta)\cos^2(\beta)\right)+e^{i\gamma}\left(-3i\sin(\beta)\cos^6(\beta)-14\sin^2(\beta)\cos^5(\beta)+6i\sin^4(\beta)\cos^4(\beta)+6\sin^4(\beta)\cos^3(\beta)-i\sin^5(\beta)\cos^2(\beta)\right)
+e^{-3i\gamma}\left(\cos^{7}(\beta)-4i\sin(\beta)\cos^{6}(\beta)-5\sin^{2}(\beta)\cos^{5}(\beta)+11i\sin^{3}(\beta)\cos^{4}(\beta)+11\sin^{4}(\beta)\cos^{3}(\beta)-5i\sin^{5}(\beta)\cos^{2}(\beta)-4\sin^{6}(\beta)\cos^{5}(\beta)\right)
+e^{-3i\gamma}\left(-2i\sin(\beta)\cos^{6}(\beta)-3\sin^{2}(\beta)\cos^{5}(\beta)+2i\sin^{3}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{3}(\beta)-3i\sin^{5}(\beta)\cos^{2}(\beta)-2\sin^{6}(\beta)\cos(\beta)\right)
 +e^{5i\gamma}\left(-2\sin^2(\beta)\cos^5(\beta)+5i\sin^3(\beta)\cos^4(\beta)+5\sin^4(\beta)\cos^3(\beta)-2i\sin^5(\beta)\cos^2(\beta)\right)+e^{i\gamma}\left(-3i\sin(\beta)\cos^6(\beta)-11\sin^2(\beta)\cos^2(\beta)\cos^2(\beta)+2i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)
+e^{-3i\gamma}\left(\cos^{7}(\beta)-4i\sin(\beta)\cos^{6}(\beta)-8\sin^{2}(\beta)\cos^{5}(\beta)+8i\sin^{3}(\beta)\cos^{4}(\beta)+8\sin^{4}(\beta)\cos^{3}(\beta)-8i\sin^{5}(\beta)\cos^{2}(\beta)-4\sin^{6}(\beta)\cos^{5}(\beta)+8i\sin^{3}(\beta)\cos^{4}(\beta)+8\sin^{4}(\beta)\cos^{3}(\beta)-8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{4}(\beta)\cos^{5}(\beta)+8i\sin^{4}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)+8i\sin^{5}(\beta)+8i\sin^{5}(\beta)+8i\sin^{5}(\beta)+8i\sin^{5}(\beta)+8i\sin^{5}(\beta)+8i\sin^{5}(\beta)+8i\sin^{5}(\beta)+8i\sin^{5}(\beta)+8i\sin^{5}(\beta)+8i\sin^{5}(\beta)+8i\sin^{5}(\beta)+8i\sin^{5}(\beta)+8i\sin^{5}(
+e^{i\gamma}\left(-2i\sin(\beta)\cos^{6}(\beta)-4\sin^{2}(\beta)\cos^{5}(\beta)+8i\sin^{3}(\beta)\cos^{4}(\beta)+8\sin^{4}(\beta)\cos^{3}(\beta)-4i\sin^{5}(\beta)\cos^{2}(\beta)-2\sin^{6}(\beta)\cos(\beta)\right)\left(e^{-i\beta}\cos^{4}(\beta)\cos^{2}(\beta)+8i\sin^{3}(\beta)\cos^{4}(\beta)+8\sin^{4}(\beta)\cos^{3}(\beta)-4\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{4}(\beta)\cos^{4}(\beta)+8\sin^{4}(\beta)\cos^{3}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{4}(\beta)\cos^{5}(\beta)+8i\sin^{4}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\sin^{5}(\beta)+8i\sin^{5}(\beta)\sin^{5}(\beta)+8i\sin^{5}(\beta)\sin^{5}(\beta)+8i\sin^{5}(\beta)+8i\sin^{5}(\beta)+8i\sin^{5}(\beta)+8i\sin^{5}(\beta)+8i\sin^{5}(\beta)+8i\sin^{5}(\beta)+8i\sin^{5}(\beta)+8i\sin^{5}(\beta)+8i\sin^{5}(\beta)+8i\sin^{5}(\beta)+8i\sin^{5}(\beta)+8i\sin^{5}(\beta)+8i\sin^{5}(
 +e^{-3i\gamma}\left(-2i\sin(\beta)\cos^{6}(\beta)-8\sin^{2}(\beta)\cos^{5}(\beta)+11i\sin^{3}(\beta)\cos^{4}(\beta)+11\sin^{4}(\beta)\cos^{3}(\beta)-8i\sin^{5}(\beta)\cos^{2}(\beta)-2\sin^{6}(\beta)\cos(\beta)\right)
 +e^{5i\gamma}\left(-i\sin(\beta)\cos^{6}(\beta)-3\sin^{2}(\beta)\cos^{5}(\beta)+3i\sin^{3}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{3}(\beta)-3i\sin^{5}(\beta)\cos^{2}(\beta)-\sin^{6}(\beta)\cos(\beta)\right)
 +e^{i\gamma}\left(\cos^{7}(\beta)-4i\sin(\beta)\cos^{6}(\beta)-10\sin^{2}(\beta)\cos^{5}(\beta)+20i\sin^{3}(\beta)\cos^{4}(\beta)+20\sin^{4}(\beta)\cos^{3}(\beta)-10i\sin^{5}(\beta)\cos^{2}(\beta)-4\sin^{6}(\beta)\cos^{6}(\beta)\right)
+e^{i\gamma}\left(-4\sin^2(\beta)\cos^5(\beta)+3i\sin^3(\beta)\cos^4(\beta)+3\sin^4(\beta)\cos^3(\beta)-4i\sin^5(\beta)\cos^2(\beta)\right)\left(e^{-7i\gamma}\left(-\sin^2(\beta)\cos^5(\beta)-i\sin^5(\beta)\cos^5(\beta)+3i\sin^5(\beta)\cos^5(\beta)+3i\sin^5(\beta)\cos^5(\beta)+3i\sin^5(\beta)\cos^5(\beta)+3i\sin^5(\beta)\cos^5(\beta)+3i\sin^5(\beta)\cos^5(\beta)+3i\sin^5(\beta)\cos^5(\beta)+3i\sin^5(\beta)\cos^5(\beta)+3i\sin^5(\beta)\cos^5(\beta)+3i\sin^5(\beta)\cos^5(\beta)+3i\sin^5(\beta)\cos^5(\beta)+3i\sin^5(\beta)\cos^5(\beta)+3i\sin^5(\beta)\cos^5(\beta)+3i\sin^5(\beta)\cos^5(\beta)+3i\sin^5(\beta)\cos^5(\beta)+3i\sin^5(\beta)\cos^5(\beta)+3i\sin^5(\beta)\cos^5(\beta)+3i\sin^5(\beta)\cos^5(\beta)+3i\sin^5(\beta)\cos^5(\beta)+3i\sin^5(\beta)\cos^5(\beta)+3i\sin^5(\beta)\cos^5(\beta)+3i\sin^5(\beta)\cos^5(\beta)+3i\sin^5(\beta)\cos^5(\beta)+3i\sin^5(\beta)\cos^5(\beta)+3i\sin^5(\beta)\cos^5(\beta)+3i\sin^5(\beta)\cos^5(\beta)+3i\sin^5(\beta)\cos^5(\beta)+3i\sin^5(\beta)\cos^5(\beta)+3i\sin^5(\beta)\cos^5(\beta)+3i\sin^5(\beta)\cos^5(\beta)+3i\sin^5(\beta)\cos^5(\beta)+3i\sin^5(\beta)\cos^5(\beta)+3i\sin^5(\beta)\cos^5(\beta)+3i\sin^5(\beta)\cos^5(\beta)+3i\sin^5(\beta)\cos^5(\beta)+3i\sin^5(\beta)\cos^5(\beta)+3i\sin^5(\beta)\cos^5(\beta)+3i\sin^5(\beta)\cos^5(\beta)+3i\sin^5(\beta)\cos^5(\beta)+3i\sin^5(\beta)\cos^5(\beta)+3i\sin^5(\beta)\cos^5(\beta)+3i\sin^5(\beta)\cos^5(\beta)+3i\sin^5(\beta)\cos^5(\beta)+3i\sin^5(\beta)\cos^5(\beta)+3i\sin^5(\beta)\cos^5(\beta)+3i\sin^5(\beta)\cos^5(\beta)+3i\sin^5(\beta)\cos^5(\beta)+3i\sin^5(\beta)\cos^5(\beta)+3i\sin^5(\beta)\cos^5(\beta)+3i\sin^5(\beta)\cos^5(\beta)+3i\sin^5(\beta)\cos^5(\beta)+3i\sin^5(\beta)\cos^5(\beta)+3i\sin^5(\beta)\cos^5(\beta)+3i\sin^5(\beta)\cos^5(\beta)+3i\sin^5(\beta)\cos^5(\beta)+3i\sin^5(\beta)\cos^5(\beta)+3i\sin^5(\beta)\cos^5(\beta)+3i\sin^5(\beta)\cos^5(\beta)+3i\sin^5(\beta)\cos^5(\beta)+3i\sin^5(\beta)\cos^5(\beta)+3i\sin^5(\beta)\cos^5(\beta)+3i\sin^5(\beta)\cos^2(\beta)+3i\sin^5(\beta)\cos^5(\beta)+3i\sin^5(\beta)\cos^5(\beta)+3i\sin^5(\beta)\cos^5(\beta)+3i\sin^5(\beta)\cos^5(\beta)+3i\sin^5(\beta)\cos^5(\beta)+3i\sin^5(\beta)\cos^5(\beta)+3i\sin^5(\beta)\cos^5(\beta)+3i\sin^5(\beta)\cos^5(\beta)+3i\sin^5(\beta)\cos^5(\beta)+3i\sin^5(\beta)\cos^5(\beta)+3i\sin^5(\beta)\cos^5(\beta)+3i\sin^5(\beta)\cos^5(\beta)+3i\sin^5(\beta)\cos^5(\beta)+3i\sin^5(\beta)\cos^5(\beta)+3i\sin^5(\beta)\cos^2(\beta)+3i\sin^5(\beta)\cos^2(\beta)+3i\sin^5(\beta)\cos^2(\beta)+3i\sin^5(\beta)\cos^2(\beta)+3i\sin^5(\beta)\cos^2(\beta)+3i\sin^5(\beta)\cos^2(\beta)+3i\sin^5(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)\cos^2(\beta)
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(e^{7i\gamma}(i\cos^2(\beta)\sin^5(\beta) - \cos^5(\beta)\sin^2(\beta))(e^{-5i\gamma}(7\cos^3(\beta)\sin^4(\beta) - 7i\cos^4(\beta)\sin^3(\beta)))
 +e^{-i\gamma}\left(-14\sin^2(\beta)\cos^5(\beta)-21i\sin^3(\beta)\cos^4(\beta)+21\sin^4(\beta)\cos^3(\beta)+14i\sin^5(\beta)\cos^2(\beta)\right)
+e^{3i\gamma}(7i\sin(\beta)\cos^6(\beta)-7\sin^2(\beta)\cos^5(\beta)-7i\sin^3(\beta)\cos^4(\beta)+7\sin^4(\beta)\cos^3(\beta)+7i\sin^5(\beta)\cos^2(\beta)-7\sin^6(\beta)\cos(\beta))
+e^{7i\gamma}\left(\cos^{7}(\beta)-i\sin^{7}(\beta)\right)+e^{-i\gamma}\left(-\sin^{2}(\beta)\cos^{5}(\beta)-6i\sin^{3}(\beta)\cos^{4}(\beta)\right)
 +6\sin^{4}(\beta)\cos^{3}(\beta) + i\sin^{5}(\beta)\cos^{2}(\beta) (e^{7i\gamma}(\cos^{3}(\beta)\sin^{4}(\beta) - i\cos^{4}(\beta)\sin^{3}(\beta))
 +e^{-5i\gamma}\left(-2\sin^2(\beta)\cos^5(\beta)-5i\sin^3(\beta)\cos^4(\beta)+5\sin^4(\beta)\cos^3(\beta)+2i\sin^5(\beta)\cos^2(\beta)\right)
+e^{3i\gamma}\left(i\sin(\beta)\cos^{6}(\beta)-7\sin^{2}(\beta)\cos^{5}(\beta)-13i\sin^{3}(\beta)\cos^{4}(\beta)+13\sin^{4}(\beta)\cos^{3}(\beta)+7i\sin^{5}(\beta)\cos^{2}(\beta)-\sin^{6}(\beta)\cos(\beta)\right)
+e^{-i\gamma}\left(\cos^{7}(\beta)+6i\sin(\beta)\cos^{6}(\beta)-12\sin^{2}(\beta)\cos^{5}(\beta)-16i\sin^{3}(\beta)\cos^{4}(\beta)+16\sin^{4}(\beta)\cos^{3}(\beta)+12i\sin^{5}(\beta)\cos^{2}(\beta)-6\sin^{6}(\beta)\cos^{2}(\beta)+16i\sin^{4}(\beta)\cos^{3}(\beta)+16i\sin^{4}(\beta)\cos^{2}(\beta)+16i\sin^{4}(\beta)\cos^{2}(\beta)+16i\sin^{4}(\beta)\cos^{2}(\beta)+16i\sin^{4}(\beta)\cos^{2}(\beta)+16i\sin^{4}(\beta)\cos^{2}(\beta)+16i\sin^{4}(\beta)\cos^{2}(\beta)+16i\sin^{4}(\beta)\cos^{2}(\beta)+16i\sin^{4}(\beta)\cos^{2}(\beta)+16i\sin^{4}(\beta)\cos^{2}(\beta)+16i\sin^{4}(\beta)\cos^{2}(\beta)+16i\sin^{4}(\beta)\cos^{2}(\beta)+16i\sin^{4}(\beta)\cos^{2}(\beta)+16i\sin^{4}(\beta)\cos^{2}(\beta)+16i\sin^{4}(\beta)\cos^{2}(\beta)+16i\sin^{4}(\beta)\cos^{2}(\beta)+16i\sin^{4}(\beta)\cos^{2}(\beta)+16i\sin^{4}(\beta)\cos^{2}(\beta)+16i\sin^{4}(\beta)\cos^{2}(\beta)+16i\sin^{4}(\beta)\cos^{2}(\beta)+16i\sin^{4}(\beta)\cos^{2}(\beta)+16i\sin^{4}(\beta)\cos^{2}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)+16i\sin^{4}(\beta)+16i\sin^{4}(\beta)+16i\sin^{4}(\beta)+16i\sin^{4}(\beta)+16i\sin^{4}(\beta)+16i\sin^{4}(\beta)+16i\sin^{4}(\beta)+16i\sin^{4}(\beta)+16i\sin^{4}(\beta)+16i\sin^{4}(\beta)+16
 +e^{3i\gamma}\left(-4\sin^2(\beta)\cos^5(\beta)-3i\sin^3(\beta)\cos^4(\beta)+3\sin^4(\beta)\cos^3(\beta)\right)
 +4i\sin^5(\beta)\cos^2(\beta)) \left(e^{7i\gamma}\left(i\cos^2(\beta)\sin^5(\beta)-\cos^5(\beta)\sin^2(\beta)\right)\right)
+e^{-5i\gamma}\left(-\sin^2(\beta)\cos^5(\beta)-6i\sin^3(\beta)\cos^4(\beta)+6\sin^4(\beta)\cos^3(\beta)+i\sin^5(\beta)\cos^2(\beta)\right)
+e^{-i\gamma}\left(3i\sin(\beta)\cos^{6}(\beta)-14\sin^{2}(\beta)\cos^{5}(\beta)-18i\sin^{3}(\beta)\cos^{4}(\beta)+18\sin^{4}(\beta)\cos^{3}(\beta)+14i\sin^{5}(\beta)\cos^{2}(\beta)-3\sin^{6}(\beta)\cos(\beta)\right)
 +e^{3i\gamma}\left(\cos^{7}(\beta)+4i\sin(\beta)\cos^{6}(\beta)-5\sin^{2}(\beta)\cos^{5}(\beta)-11i\sin^{3}(\beta)\cos^{4}(\beta)+11\sin^{4}(\beta)\cos^{3}(\beta)+5i\sin^{5}(\beta)\cos^{2}(\beta)-4\sin^{6}(\beta)\cos^{6}(\beta)\right)
+e^{3i\gamma} (i\sin(\beta)\cos^6(\beta) - 2\sin^2(\beta)\cos^5(\beta) - 4i\sin^3(\beta)\cos^4(\beta) + 4\sin^4(\beta)\cos^3(\beta)
+2i\sin^5(\beta)\cos^2(\beta)-\sin^6(\beta)\cos(\beta))\left(e^{7i\gamma}\left(\cos^3(\beta)\sin^4(\beta)-i\cos^4(\beta)\sin^3(\beta)\right)\right)
 +e^{-5i\gamma}\left(-2\sin^2(\beta)\cos^5(\beta)-5i\sin^3(\beta)\cos^4(\beta)+5\sin^4(\beta)\cos^3(\beta)+2i\sin^5(\beta)\cos^2(\beta)\right)
+e^{-i\gamma}(3i\sin(\beta)\cos^6(\beta)-11\sin^2(\beta)\cos^5(\beta)-21i\sin^3(\beta)\cos^4(\beta)+21\sin^4(\beta)\cos^3(\beta)+11i\sin^5(\beta)\cos^2(\beta)-3\sin^6(\beta)\cos(\beta)
+e^{3i\gamma}(\cos^7(\beta)+4i\sin(\beta)\cos^6(\beta)-8\sin^2(\beta)\cos^5(\beta)-8i\sin^3(\beta)\cos^4(\beta)+8\sin^4(\beta)\cos^3(\beta)+8i\sin^5(\beta)\cos^2(\beta)-4\sin^6(\beta)\cos^6(\beta)
 +e^{-i\gamma}\left(2i\sin(\beta)\cos^{6}(\beta)-4\sin^{2}(\beta)\cos^{5}(\beta)-8i\sin^{3}(\beta)\cos^{4}(\beta)+8\sin^{4}(\beta)\cos^{3}(\beta)+4i\sin^{5}(\beta)\cos^{2}(\beta)-2\sin^{6}(\beta)\cos(\beta)\right)\left(e^{7i\beta}\cos^{2}(\beta)-6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{
 +e^{3i\gamma}\left(2i\sin(\beta)\cos^{6}(\beta)-8\sin^{2}(\beta)\cos^{5}(\beta)-11i\sin^{3}(\beta)\cos^{4}(\beta)+11\sin^{4}(\beta)\cos^{3}(\beta)+8i\sin^{5}(\beta)\cos^{2}(\beta)-2\sin^{6}(\beta)\cos(\beta)\right)
 +e^{-5i\gamma}\left(i\sin(\beta)\cos^{6}(\beta)-3\sin^{2}(\beta)\cos^{5}(\beta)-3i\sin^{3}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{3}(\beta)+3i\sin^{5}(\beta)\cos^{2}(\beta)-\sin^{6}(\beta)\cos(\beta)\right)
+e^{-i\gamma}\left(\cos^7(\beta)+4i\sin(\beta)\cos^6(\beta)-10\sin^2(\beta)\cos^5(\beta)-20i\sin^3(\beta)\cos^4(\beta)+20\sin^4(\beta)\cos^3(\beta)+10i\sin^5(\beta)\cos^2(\beta)-4\sin^6(\beta)\cos^2(\beta)+20\sin^4(\beta)\cos^2(\beta)+20\sin^4(\beta)\cos^2(\beta)+20\sin^4(\beta)\cos^2(\beta)+20\sin^4(\beta)\cos^2(\beta)\cos^2(\beta)+20\sin^4(\beta)\cos^2(\beta)\cos^2(\beta)+20\sin^4(\beta)\cos^2(\beta)\cos^2(\beta)+20\sin^4(\beta)\cos^2(\beta)\cos^2(\beta)+20\sin^4(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos
 +e^{-i\gamma}\left(-4\sin^2(\beta)\cos^5(\beta)-3i\sin^3(\beta)\cos^4(\beta)+3\sin^4(\beta)\cos^3(\beta)+4i\sin^5(\beta)\cos^2(\beta)\right)\left(e^{7i\gamma}\left(i\cos^2(\beta)\sin^5(\beta)-\cos^5(\beta)\sin^2(\beta)\cos^2(\beta)\right)\right)
+e^{3i\gamma}(2i\sin(\beta)\cos^6(\beta)-5\sin^2(\beta)\cos^5(\beta)-14i\sin^3(\beta)\cos^4(\beta)+14\sin^4(\beta)\cos^3(\beta)+5i\sin^5(\beta)\cos^2(\beta)-2\sin^6(\beta)\cos(\beta))
+e^{-5i\gamma}\left(i\sin(\beta)\cos^{6}(\beta)-2\sin^{2}(\beta)\cos^{5}(\beta)-4i\sin^{3}(\beta)\cos^{4}(\beta)+4\sin^{4}(\beta)\cos^{3}(\beta)+2i\sin^{5}(\beta)\cos^{2}(\beta)-\sin^{6}(\beta)\cos(\beta)\right)
 +e^{-i\gamma}\left(\cos^{7}(\beta)+4i\sin(\beta)\cos^{6}(\beta)-13\sin^{2}(\beta)\cos^{5}(\beta)-17i\sin^{3}(\beta)\cos^{4}(\beta)+17\sin^{4}(\beta)\cos^{3}(\beta)+13i\sin^{5}(\beta)\cos^{2}(\beta)-4\sin^{6}(\beta)\cos^{2}(\beta)+13i\sin^{5}(\beta)\cos^{2}(\beta)+13i\sin^{5}(\beta)\cos^{2}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)+13i\sin^{5}(\beta)+13i\sin^{5}(\beta)+13i\sin^{5}(\beta)+13i\sin^{5}(\beta)+13i\sin^{5}(\beta)+13i\sin^{5}(\beta)+13i\sin^{5}(\beta)+13i\sin^{5}(\beta)+13i\sin^{5}(\beta)+13i\sin^{5}(\beta)+13i\sin^{5}(\beta)+13i\sin^{5}(\beta
 +e^{-5i\gamma}\left(2i\sin(\beta)\cos^{6}(\beta)-3\sin^{2}(\beta)\cos^{5}(\beta)-2i\sin^{3}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{3}(\beta)+3i\sin^{5}(\beta)\cos^{2}(\beta)-2\sin^{6}(\beta)\cos(\beta)\right)\left(e^{-3i\gamma}\left(2i\sin(\beta)\cos^{6}(\beta)-3\sin^{2}(\beta)\cos^{5}(\beta)-2i\sin^{3}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{3}(\beta)+3i\sin^{5}(\beta)\cos^{2}(\beta)-2\sin^{6}(\beta)\cos(\beta)\right)\right)
+e^{3i\gamma}\left(-6\sin^{2}(\beta)\cos^{5}(\beta)-15i\sin^{3}(\beta)\cos^{4}(\beta)+15\sin^{4}(\beta)\cos^{3}(\beta)+6i\sin^{5}(\beta)\cos^{2}(\beta)\right)+e^{-i\gamma}\left(5i\sin(\beta)\cos^{6}(\beta)-13\sin^{2}(\beta)\cos^{4}(\beta)+15\sin^{4}(\beta)\cos^{3}(\beta)+6i\sin^{5}(\beta)\cos^{2}(\beta)\right)+e^{-i\gamma}\left(5i\sin(\beta)\cos^{6}(\beta)-13\sin^{2}(\beta)\cos^{4}(\beta)+15\sin^{4}(\beta)\cos^{3}(\beta)+6i\sin^{5}(\beta)\cos^{2}(\beta)\right)+e^{-i\gamma}\left(5i\sin(\beta)\cos^{6}(\beta)-13\sin^{2}(\beta)\cos^{4}(\beta)+15\sin^{4}(\beta)\cos^{3}(\beta)+6i\sin^{5}(\beta)\cos^{2}(\beta)\right)+e^{-i\gamma}\left(5i\sin(\beta)\cos^{6}(\beta)-13\sin^{2}(\beta)\cos^{4}(\beta)+15\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{5}(\beta)\cos^{4}(\beta)\right)+e^{-i\gamma}\left(5i\sin(\beta)\cos^{6}(\beta)-13\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{5}(\beta)\cos^{4}(\beta)+6i\sin^{5}(\beta)\cos^{5}(\beta)\right)+e^{-i\gamma}\left(5i\sin(\beta)\cos^{6}(\beta)-13\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{5}(\beta)\cos^{5}(\beta)\right)+e^{-i\gamma}\left(5i\sin(\beta)\cos^{5}(\beta)-13\sin^{5}(\beta)\cos^{5}(\beta)+6i\sin^{5}(\beta)\cos^{5}(\beta)\right)+e^{-i\gamma}\left(5i\sin(\beta)\cos^{5}(\beta)-13\sin^{5}(\beta)\cos^{5}(\beta)+6i\sin^{5}(\beta)\cos^{5}(\beta)\right)+e^{-i\gamma}\left(5i\sin(\beta)\cos^{5}(\beta)-13\sin^{5}(\beta)\cos^{5}(\beta)+6i\sin^{5}(\beta)\cos^{5}(\beta)\right)+e^{-i\gamma}\left(5i\sin(\beta)\cos^{5}(\beta)-13\sin^{5}(\beta)\cos^{5}(\beta)+6i\sin^{5}(\beta)\cos^{5}(\beta)\right)+e^{-i\gamma}\left(5i\sin(\beta)\cos^{5}(\beta)-6i\sin(\beta)\cos^{5}(\beta)+6i\sin(\beta)\cos^{5}(\beta)\right)+e^{-i\gamma}\left(5i\sin(\beta)\cos^{5}(\beta)-6i\sin(\beta)\cos^{5}(\beta)\right)+e^{-i\gamma}\left(5i\sin(\beta)\cos^{5}(\beta)-6i\sin(\beta)\cos^{5}(\beta)\right)+e^{-i\gamma}\left(5i\sin(\beta)\cos^{5}(\beta)-6i\sin(\beta)\cos^{5}(\beta)\right)+e^{-i\gamma}\left(5i\sin(\beta)\cos^{5}(\beta)-6i\sin(\beta)\cos^{5}(\beta)\right)+e^{-i\gamma}\left(5i\sin(\beta)\cos^{5}(\beta)-6i\sin(\beta)\cos^{5}(\beta)\right)+e^{-i\gamma}\left(5i\sin(\beta)\cos^{5}(\beta)-6i\sin(\beta)\cos^{5}(\beta)\right)+e^{-i\gamma}\left(5i\sin(\beta)\cos^{5}(\beta)-6i\sin(\beta)\cos^{5}(\beta)\right)+e^{-i\gamma}\left(5i\sin(\beta)\cos^{5}(\beta)-6i\sin(\beta)\cos^{5}(\beta)\right)+e^{-i\gamma}\left(5i\sin(\beta)\cos^{5}(\beta)-6i\sin(\beta)\cos^{5}(\beta)\right)+e^{-i\gamma}\left(5i\sin(\beta)\cos^{5}(\beta)-6i\sin(\beta)\cos^{5}(\beta)\right)+e^{-i\gamma}\left(5i\sin(\beta)\cos^{5}(\beta)-6i\sin(\beta)\cos^{5}(\beta)\right)+e^{-i\gamma}\left(5i\sin(\beta)\cos^{5}(\beta)-6i\sin(\beta)\cos^{5}(\beta)\right)+e^{-i\gamma}\left(5i\sin(\beta)\cos^{5}(\beta)\cos^{5}(\beta)\right)+e^{-i\gamma}\left(5i\sin(\beta)\cos^{5}(\beta)\cos^{5}(\beta)\cos^{5}(\beta)\right)+e^{-i\gamma}\left(5i\sin(\beta)\cos^{5}(\beta)\cos^{5}(\beta)\cos^{5}(\beta)\right)+e^{-i\gamma}\left(5i\sin(\beta)\cos^{5}(\beta)\cos^{5}(\beta)\cos^{5}(\beta)\right)+e^{-i\gamma}\left(5i\sin(\beta)\cos^{5}(\beta)\cos^{5}(\beta)\cos^{5}(\beta)\right)+e^{-i\gamma}\left(5i\sin(\beta)\cos^{5}(\beta)\cos^{5}(\beta)\cos^{5}(\beta)\right)+e^{-i\gamma}\left(5i\sin(\beta)\cos^{5}(\beta)\cos^{5}(\beta)\cos^{5}(\beta)\right)+e^{-i\gamma}\left(5i\sin(\beta)\cos^{5}(\beta)\cos^{5}(\beta)\cos^{5}(\beta)\right)+e^{-i\gamma}\left(5i\sin(\beta)\cos^{5}(\beta)\cos^{5}(\beta)\cos^{5}(\beta)\right)+e^{-i\gamma}\left(5i\sin(\beta)\cos^{5}(\beta)\cos^{5}(\beta)\cos^{5}(\beta)\right)+e^{-i\gamma}\left(5i\sin(\beta)\cos^{5}(\beta)\cos^{5}(\beta)\cos^{5}(\beta)\right)+e^{-i\gamma}\left(5i\sin(\beta)\cos^{5}(\beta)\cos^{5}(\beta)\cos^{5}(\beta)\right)+e^{-i\gamma}\left(5i\sin(\beta)\cos^{5}(\beta)\cos^{5}(\beta)\cos^{5}(\beta)\cos^{5}(\beta)\right)+e^{-i\gamma}\left(5i\sin(\beta)\cos^{5}(\beta)\cos^{5}(\beta)\cos^{5}(\beta)\cos^{5}(\beta)\cos^{5}(\beta)\cos^{5}(\beta)\cos^{5}(\beta)\cos^{5}(\beta)\cos^{5}(\beta)\cos^{5}(\beta)\cos^{5}(\beta)\cos^{5}(\beta)\cos^{5}(\beta)\cos^{5}(\beta
+e^{-5i\gamma}(\cos^7(\beta)+2i\sin(\beta)\cos^6(\beta)-2\sin^2(\beta)\cos^5(\beta)-2i\sin^3(\beta)\cos^4(\beta)+2\sin^4(\beta)\cos^3(\beta)+2i\sin^5(\beta)\cos^2(\beta)-2\sin^6(\beta)\cos^6(\beta)
 +e^{3i\gamma}\left(2i\sin(\beta)\cos^{6}(\beta)-5i\sin^{3}(\beta)\cos^{4}(\beta)+5\sin^{4}(\beta)\cos^{3}(\beta)-2\sin^{6}(\beta)\cos(\beta)\right)\left(e^{-5i\gamma}\left(-3\sin^{2}(\beta)\cos^{5}(\beta)-4i\sin^{3}(\beta)\cos^{4}(\beta)+5\sin^{4}(\beta)\cos^{3}(\beta)-2\sin^{6}(\beta)\cos(\beta)\right)\right)
+e^{-i\gamma}\left(4i\sin(\beta)\cos^{6}(\beta)-9\sin^{2}(\beta)\cos^{5}(\beta)-22i\sin^{3}(\beta)\cos^{4}(\beta)+22\sin^{4}(\beta)\cos^{3}(\beta)+9i\sin^{5}(\beta)\cos^{2}(\beta)-4\sin^{6}(\beta)\cos(\beta)\right)
+e^{7i\gamma}(i\cos^{6}(\beta)\sin(\beta)-\cos(\beta)\sin^{6}(\beta))+e^{3i\gamma}(\cos^{7}(\beta)+2i\sin(\beta)\cos^{6}(\beta)-9\sin^{2}(\beta)\cos^{5}(\beta)-9i\sin^{3}(\beta)\cos^{4}(\beta)+9\sin^{4}(\beta)\cos^{6}(\beta)\sin^{6}(\beta)\cos^{6}(\beta)\sin^{6}(\beta)\cos^{6}(\beta)\sin^{6}(\beta)\cos^{6}(\beta)\sin^{6}(\beta)\cos^{6}(\beta)\sin^{6}(\beta)\cos^{6}(\beta)\sin^{6}(\beta)\cos^{6}(\beta)\sin^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\sin^{6}(\beta)\cos^{6}(\beta)\sin^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\sin^{6}(\beta)\cos^{6}(\beta)\sin^{6}(\beta)\cos^{6}(\beta)\sin^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos
 +e^{-i\gamma}\left(\cos^{7}(\beta)-2\sin^{2}(\beta)\cos^{5}(\beta)-4i\sin^{3}(\beta)\cos^{4}(\beta)+4\sin^{4}(\beta)\cos^{3}(\beta)+2i\sin^{5}(\beta)\cos^{2}(\beta)-i\sin^{7}(\beta)\right)\left(e^{7i\gamma}\left(i\cos^{2}(\beta)\sin^{5}(\beta)\cos^{2}(\beta)-2\sin^{2}(\beta)\cos^{5}(\beta)-4i\sin^{3}(\beta)\cos^{4}(\beta)+4\sin^{4}(\beta)\cos^{3}(\beta)+2i\sin^{5}(\beta)\cos^{2}(\beta)-i\sin^{7}(\beta)\right)\right)
+e^{3i\gamma}(3i\sin(\beta)\cos^6(\beta)-6\sin^2(\beta)\cos^5(\beta)-12i\sin^3(\beta)\cos^4(\beta)+12\sin^4(\beta)\cos^3(\beta)+6i\sin^5(\beta)\cos^2(\beta)-3\sin^6(\beta)\cos(\beta))
 +e^{-5i\gamma}\left(2i\sin(\beta)\cos^{6}(\beta)-3\sin^{2}(\beta)\cos^{5}(\beta)-2i\sin^{3}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{3}(\beta)+3i\sin^{5}(\beta)\cos^{2}(\beta)-2\sin^{6}(\beta)\cos(\beta)\right)
 +e^{-i\gamma}\left(\cos^{7}(\beta)+2i\sin(\beta)\cos^{6}(\beta)-11\sin^{2}(\beta)\cos^{5}(\beta)-21i\sin^{3}(\beta)\cos^{4}(\beta)+21\sin^{4}(\beta)\cos^{3}(\beta)+11i\sin^{5}(\beta)\cos^{2}(\beta)-2\sin^{6}(\beta)\cos^{2}(\beta)+2i\sin^{4}(\beta)\cos^{2}(\beta)+2i\sin^{4}(\beta)\cos^{2}(\beta)+2i\sin^{4}(\beta)\cos^{2}(\beta)+2i\sin^{4}(\beta)\cos^{2}(\beta)+2i\sin^{4}(\beta)\cos^{2}(\beta)+2i\sin^{4}(\beta)\cos^{2}(\beta)+2i\sin^{4}(\beta)\cos^{2}(\beta)+2i\sin^{4}(\beta)\cos^{2}(\beta)+2i\sin^{4}(\beta)\cos^{2}(\beta)+2i\sin^{4}(\beta)\cos^{2}(\beta)+2i\sin^{4}(\beta)\cos^{2}(\beta)+2i\sin^{4}(\beta)\cos^{2}(\beta)+2i\sin^{4}(\beta)\cos^{2}(\beta)+2i\sin^{4}(\beta)\cos^{2}(\beta)+2i\sin^{4}(\beta)\cos^{2}(\beta)+2i\sin^{4}(\beta)\cos^{2}(\beta)+2i\sin^{4}(\beta)\cos^{2}(\beta)+2i\sin^{4}(\beta)\cos^{2}(\beta)+2i\sin^{4}(\beta)\cos^{2}(\beta)+2i\sin^{4}(\beta)\cos^{2}(\beta)+2i\sin^{4}(\beta)\cos^{2}(\beta)+2i\sin^{4}(\beta)\cos^{2}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)+2i\sin^{4}(\beta)+2i\sin^{4}(\beta)+2i\sin^{4}(\beta)+2i\sin^{4}(\beta)+2i\sin^{4}(\beta)+2i\sin^{
     (e^{-7i\gamma}(-\sin^2(\beta)\cos^5(\beta)-i\sin^5(\beta)\cos^2(\beta))(e^{5i\gamma}(7i\sin^3(\beta)\cos^4(\beta)+7\sin^4(\beta)\cos^3(\beta))+e^{i\gamma}(-14\sin^2(\beta)\cos^5(\beta)+21i\sin^2(\beta)\cos^2(\beta))
 +e^{-3i\gamma}\left(-7i\sin(\beta)\cos^{6}(\beta)-7\sin^{2}(\beta)\cos^{5}(\beta)+7i\sin^{3}(\beta)\cos^{4}(\beta)+7\sin^{4}(\beta)\cos^{3}(\beta)-7i\sin^{5}(\beta)\cos^{2}(\beta)-7\sin^{6}(\beta)\cos(\beta)\right)
 +e^{-7i\gamma}(\cos^7(\beta)+i\sin^7(\beta)))+e^{i\gamma}(-\sin^2(\beta)\cos^5(\beta)+6i\sin^3(\beta)\cos^4(\beta)+6\sin^4(\beta)\cos^3(\beta)-i\sin^5(\beta)\cos^2(\beta))(e^{-7i\gamma}(i\sin^2(\beta)+i\sin^2(\beta)))+e^{-7i\gamma}(\cos^7(\beta)+i\sin^7(\beta)))+e^{-7i\gamma}(\sin^2(\beta)\cos^2(\beta)+6i\sin^3(\beta)\cos^4(\beta)+6\sin^4(\beta)\cos^3(\beta)+i\sin^5(\beta)\cos^2(\beta))
 +e^{5i\gamma}\left(-2\sin^2(\beta)\cos^5(\beta)+5i\sin^3(\beta)\cos^4(\beta)+5\sin^4(\beta)\cos^3(\beta)-2i\sin^5(\beta)\cos^2(\beta)\right)+e^{-3i\gamma}\left(-i\sin(\beta)\cos^6(\beta)-7\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2
+e^{i\gamma}\left(\cos^{7}(\beta)-6i\sin(\beta)\cos^{6}(\beta)-12\sin^{2}(\beta)\cos^{5}(\beta)+16i\sin^{3}(\beta)\cos^{4}(\beta)+16\sin^{4}(\beta)\cos^{3}(\beta)-12i\sin^{5}(\beta)\cos^{2}(\beta)-6\sin^{6}(\beta)\cos^{6}(\beta)\right)
+e^{-3i\gamma}\left(-4\sin^2(\beta)\cos^5(\beta)+3i\sin^3(\beta)\cos^4(\beta)+3\sin^4(\beta)\cos^3(\beta)-4i\sin^5(\beta)\cos^2(\beta)\right)\left(e^{-7i\gamma}\left(-\sin^2(\beta)\cos^5(\beta)-i\sin^5(\beta)\cos^5(\beta)+3i\sin^5(\beta)\cos^5(\beta)+3i\sin^5(\beta)\cos^5(\beta)+3i\sin^5(\beta)\cos^5(\beta)+3i\sin^5(\beta)\cos^5(\beta)+3i\sin^5(\beta)\cos^5(\beta)+3i\sin^5(\beta)\cos^5(\beta)+3i\sin^5(\beta)\cos^5(\beta)+3i\sin^5(\beta)\cos^5(\beta)+3i\sin^5(\beta)\cos^5(\beta)+3i\sin^5(\beta)\cos^5(\beta)+3i\sin^5(\beta)\cos^5(\beta)+3i\sin^5(\beta)\cos^5(\beta)+3i\sin^5(\beta)\cos^5(\beta)+3i\sin^5(\beta)\cos^5(\beta)+3i\sin^5(\beta)\cos^5(\beta)+3i\sin^5(\beta)\cos^5(\beta)+3i\sin^5(\beta)\cos^5(\beta)+3i\sin^5(\beta)\cos^5(\beta)+3i\sin^5(\beta)\cos^5(\beta)+3i\sin^5(\beta)\cos^5(\beta)+3i\sin^5(\beta)\cos^5(\beta)+3i\sin^5(\beta)\cos^5(\beta)+3i\sin^5(\beta)\cos^5(\beta)+3i\sin^5(\beta)\cos^5(\beta)+3i\sin^5(\beta)\cos^5(\beta)+3i\sin^5(\beta)\cos^5(\beta)+3i\sin^5(\beta)\cos^5(\beta)+3i\sin^5(\beta)\cos^5(\beta)+3i\sin^5(\beta)\cos^5(\beta)+3i\sin^5(\beta)\cos^5(\beta)+3i\sin^5(\beta)\cos^5(\beta)+3i\sin^5(\beta)\cos^5(\beta)+3i\sin^5(\beta)\cos^5(\beta)+3i\sin^5(\beta)\cos^5(\beta)+3i\sin^5(\beta)\cos^5(\beta)+3i\sin^5(\beta)\cos^5(\beta)+3i\sin^5(\beta)\cos^5(\beta)+3i\sin^5(\beta)\cos^5(\beta)+3i\sin^5(\beta)\cos^5(\beta)+3i\sin^5(\beta)\cos^5(\beta)+3i\sin^5(\beta)\cos^5(\beta)+3i\sin^5(\beta)\cos^5(\beta)+3i\sin^5(\beta)\cos^5(\beta)+3i\sin^5(\beta)\cos^5(\beta)+3i\sin^5(\beta)\cos^5(\beta)+3i\sin^5(\beta)\cos^5(\beta)+3i\sin^5(\beta)\cos^5(\beta)+3i\sin^5(\beta)\cos^5(\beta)+3i\sin^5(\beta)\cos^5(\beta)+3i\sin^5(\beta)\cos^5(\beta)+3i\sin^5(\beta)\cos^5(\beta)+3i\sin^5(\beta)\cos^5(\beta)+3i\sin^5(\beta)\cos^5(\beta)+3i\sin^5(\beta)\cos^5(\beta)+3i\sin^5(\beta)\cos^5(\beta)+3i\sin^5(\beta)\cos^5(\beta)+3i\sin^5(\beta)\cos^5(\beta)+3i\sin^5(\beta)\cos^5(\beta)+3i\sin^5(\beta)\cos^5(\beta)+3i\sin^5(\beta)\cos^5(\beta)+3i\sin^5(\beta)\cos^5(\beta)+3i\sin^5(\beta)\cos^5(\beta)+3i\sin^5(\beta)\cos^5(\beta)+3i\sin^5(\beta)\cos^5(\beta)+3i\sin^5(\beta)\cos^5(\beta)+3i\sin^5(\beta)\cos^5(\beta)+3i\sin^5(\beta)\cos^5(\beta)+3i\sin^5(\beta)\cos^5(\beta)+3i\sin^5(\beta)\cos^5(\beta)+3i\sin^5(\beta)\cos^5(\beta)+3i\sin^5(\beta)\cos^5(\beta)+3i\sin^5(\beta)\cos^5(\beta)+3i\sin^5(\beta)\cos^5(\beta)+3i\sin^5(\beta)\cos^5(\beta)+3i\sin^5(\beta)\cos^5(\beta)+3i\sin^5(\beta)\cos^5(\beta)+3i\sin^5(\beta)\cos^5(\beta)+3i\sin^5(\beta)\cos^5(\beta)+3i\sin^5(\beta)\cos^5(\beta)+3i\sin^5(\beta)\cos^2(\beta)+3i\sin^5(\beta)\cos^2(\beta)+3i\sin^5(\beta)\cos^2(\beta)+3i\sin^5(\beta)\cos^2(\beta)+3i\sin^5(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^
+e^{5i\gamma}\left(-\sin^2(\beta)\cos^5(\beta)+6i\sin^3(\beta)\cos^4(\beta)+6\sin^4(\beta)\cos^3(\beta)-i\sin^5(\beta)\cos^2(\beta)\right)+e^{i\gamma}\left(-3i\sin(\beta)\cos^6(\beta)-14\sin^2(\beta)\cos^5(\beta)+6i\sin^3(\beta)\cos^4(\beta)+6\sin^4(\beta)\cos^3(\beta)-i\sin^5(\beta)\cos^2(\beta)\right)
 +e^{-3i\gamma}(\cos^7(\beta)-4i\sin(\beta)\cos^6(\beta)-5\sin^2(\beta)\cos^5(\beta)+11i\sin^3(\beta)\cos^4(\beta)+11\sin^4(\beta)\cos^3(\beta)-5i\sin^5(\beta)\cos^2(\beta)-4\sin^6(\beta)\cos^6(\beta)
+e^{-3i\gamma}\left(-i\sin(\beta)\cos^{6}(\beta)-2\sin^{2}(\beta)\cos^{5}(\beta)+4i\sin^{3}(\beta)\cos^{4}(\beta)+4\sin^{4}(\beta)\cos^{3}(\beta)-2i\sin^{5}(\beta)\cos^{2}(\beta)-\sin^{6}(\beta)\cos(\beta)\right)\left(e^{-i\beta}\cos^{6}(\beta)-2\sin^{2}(\beta)\cos^{5}(\beta)+4i\sin^{3}(\beta)\cos^{4}(\beta)+4\sin^{4}(\beta)\cos^{3}(\beta)-2i\sin^{5}(\beta)\cos^{2}(\beta)-\sin^{6}(\beta)\cos(\beta)\right)
+e^{5i\gamma}\left(-2\sin^2(\beta)\cos^5(\beta)+5i\sin^3(\beta)\cos^4(\beta)+5\sin^4(\beta)\cos^3(\beta)-2i\sin^5(\beta)\cos^2(\beta)\right)+e^{i\gamma}\left(-3i\sin(\beta)\cos^6(\beta)-11\sin^2(\beta)\cos^2(\beta)\cos^2(\beta)\right)
 +e^{-3i\gamma}(\cos^7(\beta)-4i\sin(\beta)\cos^6(\beta)-8\sin^2(\beta)\cos^5(\beta)+8i\sin^3(\beta)\cos^4(\beta)+8\sin^4(\beta)\cos^3(\beta)-8i\sin^5(\beta)\cos^2(\beta)-4\sin^6(\beta)\cos^6(\beta)
+e^{i\gamma}\left(-2i\sin(\beta)\cos^{6}(\beta)-4\sin^{2}(\beta)\cos^{5}(\beta)+8i\sin^{3}(\beta)\cos^{4}(\beta)+8\sin^{4}(\beta)\cos^{3}(\beta)-4i\sin^{5}(\beta)\cos^{2}(\beta)-2\sin^{6}(\beta)\cos(\beta)\right)\left(e^{-i\beta}\cos^{4}(\beta)\cos^{2}(\beta)+8i\sin^{3}(\beta)\cos^{4}(\beta)+8\sin^{4}(\beta)\cos^{3}(\beta)-4i\sin^{5}(\beta)\cos^{2}(\beta)-2\sin^{6}(\beta)\cos(\beta)\right)
 +e^{-3i\gamma}\left(-2i\sin(\beta)\cos^{6}(\beta)-8\sin^{2}(\beta)\cos^{5}(\beta)+11i\sin^{3}(\beta)\cos^{4}(\beta)+11\sin^{4}(\beta)\cos^{3}(\beta)-8i\sin^{5}(\beta)\cos^{2}(\beta)-2\sin^{6}(\beta)\cos^{5}(\beta)+11i\sin^{3}(\beta)\cos^{4}(\beta)+11\sin^{4}(\beta)\cos^{3}(\beta)-8i\sin^{5}(\beta)\cos^{2}(\beta)-2\sin^{6}(\beta)\cos^{5}(\beta)+11i\sin^{3}(\beta)\cos^{4}(\beta)+11\sin^{4}(\beta)\cos^{3}(\beta)-8i\sin^{5}(\beta)\cos^{5}(\beta)-2\sin^{6}(\beta)\cos^{5}(\beta)+11i\sin^{3}(\beta)\cos^{4}(\beta)+11\sin^{4}(\beta)\cos^{3}(\beta)-8i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{4}(\beta)\cos^{5}(\beta)+11i\sin^{4}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)+11i\sin^{5}(\beta)+11i\sin^{5}(\beta)+11i\sin^{5}(\beta)+11i\sin^{5}(\beta)+11i\sin^{5}(\beta)+1
 +e^{5i\gamma}\left(-i\sin(\beta)\cos^{6}(\beta)-3\sin^{2}(\beta)\cos^{5}(\beta)+3i\sin^{3}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{3}(\beta)-3i\sin^{5}(\beta)\cos^{2}(\beta)-\sin^{6}(\beta)\cos(\beta)\right)
 +e^{i\gamma}\left(\cos^{7}(\beta)-4i\sin(\beta)\cos^{6}(\beta)-10\sin^{2}(\beta)\cos^{5}(\beta)+\frac{10}{20}i\sin^{3}(\beta)\cos^{4}(\beta)+20\sin^{4}(\beta)\cos^{3}(\beta)-10i\sin^{5}(\beta)\cos^{2}(\beta)-4\sin^{6}(\beta)\cos^{2}(\beta)+\frac{10}{20}i\sin^{3}(\beta)\cos^{4}(\beta)+20\sin^{4}(\beta)\cos^{3}(\beta)-10i\sin^{5}(\beta)\cos^{2}(\beta)-4\sin^{6}(\beta)\cos^{6}(\beta)+\frac{10}{20}i\sin^{3}(\beta)\cos^{4}(\beta)+20\sin^{4}(\beta)\cos^{3}(\beta)-10i\sin^{5}(\beta)\cos^{5}(\beta)+\frac{10}{20}i\sin^{3}(\beta)\cos^{4}(\beta)+20\sin^{4}(\beta)\cos^{3}(\beta)-10i\sin^{5}(\beta)\cos^{5}(\beta)+\frac{10}{20}i\sin^{3}(\beta)\cos^{4}(\beta)+20\sin^{4}(\beta)\cos^{3}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+\frac{10}{20}i\sin^{3}(\beta)\cos^{4}(\beta)+20\sin^{4}(\beta)\cos^{3}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+\frac{10}{20}i\sin^{5}(\beta)\cos^{5}(\beta)+\frac{10}{20}i\sin^{5}(\beta)\cos^{5}(\beta)+\frac{10}{20}i\sin^{5}(\beta)\cos^{5}(\beta)+\frac{10}{20}i\sin^{5}(\beta)\cos^{5}(\beta)+\frac{10}{20}i\sin^{5}(\beta)\cos^{5}(\beta)+\frac{10}{20}i\sin^{5}(\beta)\cos^{5}(\beta)+\frac{10}{20}i\sin^{5}(\beta)\cos^{5}(\beta)+\frac{10}{20}i\sin^{5}(\beta)\cos^{5}(\beta)+\frac{10}{20}i\sin^{5}(\beta)\cos^{5}(\beta)+\frac{10}{20}i\sin^{5}(\beta)\cos^{5}(\beta)+\frac{10}{20}i\sin^{5}(\beta)\cos^{5}(\beta)+\frac{10}{20}i\sin^{5}(\beta)\cos^{5}(\beta)+\frac{10}{20}i\sin^{5}(\beta)\cos^{5}(\beta)+\frac{10}{20}i\sin^{5}(\beta)\cos^{5}(\beta)+\frac{10}{20}i\sin^{5}(\beta)\cos^{5}(\beta)+\frac{10}{20}i\sin^{5}(\beta)\cos^{5}(\beta)+\frac{10}{20}i\sin^{5}(\beta)\cos^{5}(\beta)+\frac{10}{20}i\sin^{5}(\beta)\cos^{5}(\beta)+\frac{10}{20}i\sin^{5}(\beta)\cos^{5}(\beta)+\frac{10}{20}i\sin^{5}(\beta)\cos^{5}(\beta)+\frac{10}{20}i\sin^{5}(\beta)\cos^{5}(\beta)+\frac{10}{20}i\sin^{5}(\beta)\cos^{5}(\beta)+\frac{10}{20}i\sin^{5}(\beta)\cos^{5}(\beta)+\frac{10}{20}i\sin^{5}(\beta)\cos^{5}(\beta)+\frac{10}{20}i\sin^{5}(\beta)\cos^{5}(\beta)+\frac{10}{20}i\sin^{5}(\beta)\cos^{5}(\beta)+\frac{10}{20}i\sin^{5}(\beta)\cos^{5}(\beta)+\frac{10}{20}i\sin^{5}(\beta)\cos^{5}(\beta)+\frac{10}{20}i\sin^{5}(\beta)\cos^{5}(\beta)+\frac{10}{20}i\sin^{5}(\beta)\cos^{5}(\beta)+\frac{10}{20}i\sin^{5}(\beta)\cos^{5}(\beta)+\frac{10}{20}i\sin^{5}(\beta)\cos^{5}(\beta)+\frac{10}{20}i\sin^{5}(\beta)\cos^{5}(\beta)+\frac{10}{20}i\sin^{5}(\beta)\cos^{5}(\beta)+\frac{10}{20}i\sin^{5}(\beta)\cos^{5}(\beta)+\frac{10}{20}i\sin^{5}(\beta)\cos^{5}(\beta)+\frac{10}{20}i\sin^{5}(\beta)\cos^{5}(\beta)+\frac{10}{20}i\sin^{5}(\beta)\cos^{5}(\beta)+\frac{10}{20}i\sin^{5}(\beta)\cos^{5}(\beta)+\frac{10}{20}i\sin^{5}(\beta)\cos^{5}(\beta)+\frac{10}{20}i\sin^{5}(\beta)\cos^{5}(\beta)+\frac{10}{20}i\sin^{5}(\beta)\cos^{5}(\beta)+\frac{10}{20}i\sin^{5}(\beta)\cos^{5}(\beta)+\frac{10}{20}i\sin^{5}(\beta)\cos^{5}(\beta)+\frac{10}{20}i\sin^{5}(\beta)\cos^{5}(\beta)+\frac{10}{20}i\sin^{5}(\beta)\cos^{5}(\beta)+\frac{10}{20}i\sin^{5}(\beta)\cos^{5}(\beta)+\frac{10}{20}i\sin^{5}(\beta)\cos^{5}(\beta)+\frac{10}{20}i\sin^{5}(\beta)\cos^{5}(\beta)+\frac{10}{20}i\sin^{5}(\beta)\cos^{5}(\beta)+\frac{10}{20}i\sin^{5}(\beta)\cos^{5}(\beta)+\frac{10}{20}i\sin^{5}(\beta)+\frac{10}{20}i\sin^{5}(\beta)+\frac{10}{20}i\sin^{5}(\beta)+\frac{10}{20}i\sin^{5}(\beta)+\frac{10}{20}i\sin^{5}(\beta)+\frac{10}{20}i\sin^{5}(\beta)+\frac{10}{20}i\sin^{5}(\beta)+\frac{10}{20}i\sin^{5}(\beta)+\frac{10}{20}i\sin^{5}(\beta)+\frac{10}{20}i\sin^
 +e^{i\gamma}\left(-4\sin^2(\beta)\cos^5(\beta)+3i\sin^3(\beta)\cos^4(\beta)+3\sin^4(\beta)\cos^3(\beta)-4i\sin^5(\beta)\cos^2(\beta)\right)\left(e^{-7i\gamma}\left(-\sin^2(\beta)\cos^5(\beta)-i\sin^5(\beta)\cos^5(\beta)+3i\sin^5(\beta)\cos^5(\beta)+3i\sin^5(\beta)\cos^5(\beta)+3i\sin^5(\beta)\cos^5(\beta)+3i\sin^5(\beta)\cos^5(\beta)+3i\sin^5(\beta)\cos^5(\beta)+3i\sin^5(\beta)\cos^5(\beta)+3i\sin^5(\beta)\cos^5(\beta)+3i\sin^5(\beta)\cos^5(\beta)+3i\sin^5(\beta)\cos^5(\beta)+3i\sin^5(\beta)\cos^5(\beta)+3i\sin^5(\beta)\cos^5(\beta)+3i\sin^5(\beta)\cos^5(\beta)+3i\sin^5(\beta)\cos^5(\beta)+3i\sin^5(\beta)\cos^5(\beta)+3i\sin^5(\beta)\cos^5(\beta)+3i\sin^5(\beta)\cos^5(\beta)+3i\sin^5(\beta)\cos^5(\beta)+3i\sin^5(\beta)\cos^5(\beta)+3i\sin^5(\beta)\cos^5(\beta)+3i\sin^5(\beta)\cos^5(\beta)+3i\sin^5(\beta)\cos^5(\beta)+3i\sin^5(\beta)\cos^5(\beta)+3i\sin^5(\beta)\cos^5(\beta)+3i\sin^5(\beta)\cos^5(\beta)+3i\sin^5(\beta)\cos^5(\beta)+3i\sin^5(\beta)\cos^5(\beta)+3i\sin^5(\beta)\cos^5(\beta)+3i\sin^5(\beta)\cos^5(\beta)+3i\sin^5(\beta)\cos^5(\beta)+3i\sin^5(\beta)\cos^5(\beta)+3i\sin^5(\beta)\cos^5(\beta)+3i\sin^5(\beta)\cos^5(\beta)+3i\sin^5(\beta)\cos^5(\beta)+3i\sin^5(\beta)\cos^5(\beta)+3i\sin^5(\beta)\cos^5(\beta)+3i\sin^5(\beta)\cos^5(\beta)+3i\sin^5(\beta)\cos^5(\beta)+3i\sin^5(\beta)\cos^5(\beta)+3i\sin^5(\beta)\cos^5(\beta)+3i\sin^5(\beta)\cos^5(\beta)+3i\sin^5(\beta)\cos^5(\beta)+3i\sin^5(\beta)\cos^5(\beta)+3i\sin^5(\beta)\cos^5(\beta)+3i\sin^5(\beta)\cos^5(\beta)+3i\sin^5(\beta)\cos^5(\beta)+3i\sin^5(\beta)\cos^5(\beta)+3i\sin^5(\beta)\cos^5(\beta)+3i\sin^5(\beta)\cos^5(\beta)+3i\sin^5(\beta)\cos^5(\beta)+3i\sin^5(\beta)\cos^5(\beta)+3i\sin^5(\beta)\cos^5(\beta)+3i\sin^5(\beta)\cos^5(\beta)+3i\sin^5(\beta)\cos^5(\beta)+3i\sin^5(\beta)\cos^5(\beta)+3i\sin^5(\beta)\cos^5(\beta)+3i\sin^5(\beta)\cos^5(\beta)+3i\sin^5(\beta)\cos^5(\beta)+3i\sin^5(\beta)\cos^5(\beta)+3i\sin^5(\beta)\cos^5(\beta)+3i\sin^5(\beta)\cos^5(\beta)+3i\sin^5(\beta)\cos^2(\beta)+3i\sin^5(\beta)\cos^5(\beta)+3i\sin^5(\beta)\cos^5(\beta)+3i\sin^5(\beta)\cos^5(\beta)+3i\sin^5(\beta)\cos^5(\beta)+3i\sin^5(\beta)\cos^5(\beta)+3i\sin^5(\beta)\cos^5(\beta)+3i\sin^5(\beta)\cos^5(\beta)+3i\sin^5(\beta)\cos^5(\beta)+3i\sin^5(\beta)\cos^5(\beta)+3i\sin^5(\beta)\cos^5(\beta)+3i\sin^5(\beta)\cos^5(\beta)+3i\sin^5(\beta)\cos^5(\beta)+3i\sin^5(\beta)\cos^5(\beta)+3i\sin^5(\beta)\cos^5(\beta)+3i\sin^5(\beta)\cos^5(\beta)+3i\sin^5(\beta)\cos^5(\beta)+3i\sin^5(\beta)\cos^5(\beta)+3i\sin^5(\beta)\cos^5(\beta)+3i\sin^5(\beta)\cos^5(\beta)+3i\sin^5(\beta)\cos^2(\beta)+3i\sin^5(\beta)\cos^2(\beta)+3i\sin^5(\beta)\cos^2(\beta)+3i\sin^5(\beta)\cos^2(\beta)+3i\sin^5(\beta)\cos^2(\beta)+3i\sin^5(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)
+e^{-3i\gamma}\left(-2i\sin(\beta)\cos^{6}(\beta)-5\sin^{2}(\beta)\cos^{5}(\beta)+14i\sin^{3}(\beta)\cos^{4}(\beta)+14\sin^{4}(\beta)\cos^{3}(\beta)-5i\sin^{5}(\beta)\cos^{2}(\beta)-2\sin^{6}(\beta)\cos^{5}(\beta)+14i\sin^{3}(\beta)\cos^{4}(\beta)+14\sin^{4}(\beta)\cos^{3}(\beta)-5i\sin^{5}(\beta)\cos^{2}(\beta)-2\sin^{6}(\beta)\cos^{5}(\beta)+14i\sin^{3}(\beta)\cos^{4}(\beta)+14\sin^{4}(\beta)\cos^{3}(\beta)-5i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{4}(\beta)\cos^{5}(\beta)+14i\sin^{4}(\beta)\cos^{5}(\beta)+14i\sin^{4}(\beta)\cos^{5}(\beta)+14i\sin^{4}(\beta)\cos^{5}(\beta)+14i\sin^{4}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)+14i\sin^{5}(\beta)+14i\sin^{5}(\beta)+14i\sin^{5}(\beta)+14i\sin^{5}(\beta)+14i\sin^{5}(
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(e^{7i\gamma}(\cos^3(\beta)\sin^4(\beta) - i\cos^4(\beta)\sin^3(\beta))(e^{-5i\gamma}(7\cos^3(\beta)\sin^4(\beta) - 7i\cos^4(\beta)\sin^3(\beta)))
 +e^{-i\gamma}\left(-14\sin^2(\beta)\cos^5(\beta)-21i\sin^3(\beta)\cos^4(\beta)+21\sin^4(\beta)\cos^3(\beta)+14i\sin^5(\beta)\cos^2(\beta)\right)
+e^{3i\gamma}(7i\sin(\beta)\cos^6(\beta)-7\sin^2(\beta)\cos^5(\beta)-7i\sin^3(\beta)\cos^4(\beta)+7\sin^4(\beta)\cos^3(\beta)+7i\sin^5(\beta)\cos^2(\beta)-7\sin^6(\beta)\cos(\beta))
+e^{7i\gamma}\left(\cos^7(\beta)-i\sin^7(\beta)\right)+e^{-i\gamma}\left(-2\sin^2(\beta)\cos^5(\beta)-5i\sin^3(\beta)\cos^4(\beta)\right)
 +5\sin^4(\beta)\cos^3(\beta) + 2i\sin^5(\beta)\cos^2(\beta)) \left(e^{7i\gamma}\left(\cos^3(\beta)\sin^4(\beta) - i\cos^4(\beta)\sin^3(\beta)\right)\right)
 +e^{-5i\gamma}\left(-2\sin^2(\beta)\cos^5(\beta)-5i\sin^3(\beta)\cos^4(\beta)+5\sin^4(\beta)\cos^3(\beta)+2i\sin^5(\beta)\cos^2(\beta)\right)
+e^{3i\gamma}\left(i\sin(\beta)\cos^{6}(\beta)-7\sin^{2}(\beta)\cos^{5}(\beta)-13i\sin^{3}(\beta)\cos^{4}(\beta)+13\sin^{4}(\beta)\cos^{3}(\beta)+7i\sin^{5}(\beta)\cos^{2}(\beta)-\sin^{6}(\beta)\cos(\beta)\right)
+e^{-i\gamma}\left(\cos^{7}(\beta)+6i\sin(\beta)\cos^{6}(\beta)-12\sin^{2}(\beta)\cos^{5}(\beta)-16i\sin^{3}(\beta)\cos^{4}(\beta)+16\sin^{4}(\beta)\cos^{3}(\beta)+12i\sin^{5}(\beta)\cos^{2}(\beta)-6\sin^{6}(\beta)\cos^{2}(\beta)+16i\sin^{4}(\beta)\cos^{3}(\beta)+16i\sin^{4}(\beta)\cos^{2}(\beta)+16i\sin^{4}(\beta)\cos^{2}(\beta)+16i\sin^{4}(\beta)\cos^{2}(\beta)+16i\sin^{4}(\beta)\cos^{2}(\beta)+16i\sin^{4}(\beta)\cos^{2}(\beta)+16i\sin^{4}(\beta)\cos^{2}(\beta)+16i\sin^{4}(\beta)\cos^{2}(\beta)+16i\sin^{4}(\beta)\cos^{2}(\beta)+16i\sin^{4}(\beta)\cos^{2}(\beta)+16i\sin^{4}(\beta)\cos^{2}(\beta)+16i\sin^{4}(\beta)\cos^{2}(\beta)+16i\sin^{4}(\beta)\cos^{2}(\beta)+16i\sin^{4}(\beta)\cos^{2}(\beta)+16i\sin^{4}(\beta)\cos^{2}(\beta)+16i\sin^{4}(\beta)\cos^{2}(\beta)+16i\sin^{4}(\beta)\cos^{2}(\beta)+16i\sin^{4}(\beta)\cos^{2}(\beta)+16i\sin^{4}(\beta)\cos^{2}(\beta)+16i\sin^{4}(\beta)\cos^{2}(\beta)+16i\sin^{4}(\beta)\cos^{2}(\beta)+16i\sin^{4}(\beta)\cos^{2}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)+16i\sin^{4}(\beta)+16i\sin^{4}(\beta)+16i\sin^{4}(\beta)+16i\sin^{4}(\beta)+16i\sin^{4}(\beta)+16i\sin^{4}(\beta)+16i\sin^{4}(\beta)+16i\sin^{4}(\beta)+16i\sin^{4}(\beta)+16i\sin^{4}(\beta)+16
 +e^{3i\gamma}\left(2i\sin(\beta)\cos^{6}(\beta)-3\sin^{2}(\beta)\cos^{5}(\beta)-2i\sin^{3}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{3}(\beta)\right)
 +3i\sin^{5}(\beta)\cos^{2}(\beta)-2\sin^{6}(\beta)\cos(\beta) (e^{7i\gamma}(i\cos^{2}(\beta)\sin^{5}(\beta)-\cos^{5}(\beta)\sin^{2}(\beta))
+e^{-5i\gamma}\left(-\sin^2(\beta)\cos^5(\beta)-6i\sin^3(\beta)\cos^4(\beta)+6\sin^4(\beta)\cos^3(\beta)+i\sin^5(\beta)\cos^2(\beta)\right)
+e^{-i\gamma}\left(3i\sin(\beta)\cos^{6}(\beta)-14\sin^{2}(\beta)\cos^{5}(\beta)-18i\sin^{3}(\beta)\cos^{4}(\beta)+18\sin^{4}(\beta)\cos^{3}(\beta)+14i\sin^{5}(\beta)\cos^{2}(\beta)-3\sin^{6}(\beta)\cos(\beta)\right)
 +e^{3i\gamma}\left(\cos^{7}(\beta)+4i\sin(\beta)\cos^{6}(\beta)-5\sin^{2}(\beta)\cos^{5}(\beta)-11i\sin^{3}(\beta)\cos^{4}(\beta)+11\sin^{4}(\beta)\cos^{3}(\beta)+5i\sin^{5}(\beta)\cos^{2}(\beta)-4\sin^{6}(\beta)\cos^{6}(\beta)\right)
+e^{3i\gamma}\left(\cos^{7}(\beta)+2i\sin(\beta)\cos^{6}(\beta)-2\sin^{2}(\beta)\cos^{5}(\beta)-2i\sin^{3}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{3}(\beta)\right)
+2i\sin^5(\beta)\cos^2(\beta)-2\sin^6(\beta)\cos(\beta)-i\sin^7(\beta))\left(e^{7i\gamma}\left(\cos^3(\beta)\sin^4(\beta)-i\cos^4(\beta)\sin^3(\beta)\right)\right)
 +e^{-5i\gamma}\left(-2\sin^2(\beta)\cos^5(\beta)-5i\sin^3(\beta)\cos^4(\beta)+5\sin^4(\beta)\cos^3(\beta)+2i\sin^5(\beta)\cos^2(\beta)\right)
+e^{-i\gamma}(3i\sin(\beta)\cos^6(\beta)-11\sin^2(\beta)\cos^5(\beta)-21i\sin^3(\beta)\cos^4(\beta)+21\sin^4(\beta)\cos^3(\beta)+11i\sin^5(\beta)\cos^2(\beta)-3\sin^6(\beta)\cos(\beta)
+e^{3i\gamma}(\cos^7(\beta)+4i\sin(\beta)\cos^6(\beta)-8\sin^2(\beta)\cos^5(\beta)-8i\sin^3(\beta)\cos^4(\beta)+8\sin^4(\beta)\cos^3(\beta)+8i\sin^5(\beta)\cos^2(\beta)-4\sin^6(\beta)\cos^6(\beta)
 +e^{-i\gamma}\left(2i\sin(\beta)\cos^{6}(\beta)-6\sin^{2}(\beta)\cos^{5}(\beta)-6i\sin^{3}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{3}(\beta)+6i\sin^{5}(\beta)\cos^{2}(\beta)-2\sin^{6}(\beta)\cos(\beta)\right)\left(e^{7i\beta}\cos^{2}(\beta)-6\sin^{2}(\beta)\cos^{2}(\beta)-6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{
+e^{3i\gamma}\left(2i\sin(\beta)\cos^{6}(\beta)-8\sin^{2}(\beta)\cos^{5}(\beta)-11i\sin^{3}(\beta)\cos^{4}(\beta)+11\sin^{4}(\beta)\cos^{3}(\beta)+8i\sin^{5}(\beta)\cos^{2}(\beta)-2\sin^{6}(\beta)\cos(\beta)\right)
 +e^{-5i\gamma}\left(i\sin(\beta)\cos^{6}(\beta)-3\sin^{2}(\beta)\cos^{5}(\beta)-3i\sin^{3}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{3}(\beta)+3i\sin^{5}(\beta)\cos^{2}(\beta)-\sin^{6}(\beta)\cos(\beta)\right)
+e^{-i\gamma}\left(\cos^7(\beta)+4i\sin(\beta)\cos^6(\beta)-10\sin^2(\beta)\cos^5(\beta)-20i\sin^3(\beta)\cos^4(\beta)+20\sin^4(\beta)\cos^3(\beta)+10i\sin^5(\beta)\cos^2(\beta)-4\sin^6(\beta)\cos^2(\beta)+20\sin^4(\beta)\cos^2(\beta)+20\sin^4(\beta)\cos^2(\beta)+20\sin^4(\beta)\cos^2(\beta)+20\sin^4(\beta)\cos^2(\beta)\cos^2(\beta)+20\sin^4(\beta)\cos^2(\beta)\cos^2(\beta)+20\sin^4(\beta)\cos^2(\beta)\cos^2(\beta)+20\sin^4(\beta)\cos^2(\beta)\cos^2(\beta)+20\sin^4(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos
+e^{-i\gamma}\left(-\sin^2(\beta)\cos^5(\beta)-6i\sin^3(\beta)\cos^4(\beta)+6\sin^4(\beta)\cos^3(\beta)+i\sin^5(\beta)\cos^2(\beta)\right)\left(e^{7i\gamma}\left(i\cos^2(\beta)\sin^5(\beta)-\cos^5(\beta)\sin^2(\beta)\sin^2(\beta)\cos^2(\beta)\right)\right)
 +e^{3i\gamma}\left(2i\sin(\beta)\cos^{6}(\beta)-5\sin^{2}(\beta)\cos^{5}(\beta)-14i\sin^{3}(\beta)\cos^{4}(\beta)+14\sin^{4}(\beta)\cos^{3}(\beta)+5i\sin^{5}(\beta)\cos^{2}(\beta)-2\sin^{6}(\beta)\cos(\beta)\right)
+e^{-5i\gamma}\left(i\sin(\beta)\cos^{6}(\beta)-2\sin^{2}(\beta)\cos^{5}(\beta)-4i\sin^{3}(\beta)\cos^{4}(\beta)+4\sin^{4}(\beta)\cos^{3}(\beta)+2i\sin^{5}(\beta)\cos^{2}(\beta)-\sin^{6}(\beta)\cos(\beta)\right)
 +e^{-i\gamma}\left(\cos^{7}(\beta)+4i\sin(\beta)\cos^{6}(\beta)-13\sin^{2}(\beta)\cos^{5}(\beta)-17i\sin^{3}(\beta)\cos^{4}(\beta)+17\sin^{4}(\beta)\cos^{3}(\beta)+13i\sin^{5}(\beta)\cos^{2}(\beta)-4\sin^{6}(\beta)\cos^{2}(\beta)+13i\sin^{5}(\beta)\cos^{2}(\beta)+13i\sin^{5}(\beta)\cos^{2}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)+13i\sin^{5}(\beta)+13i\sin^{5}(\beta)+13i\sin^{5}(\beta)+13i\sin^{5}(\beta)+13i\sin^{5}(\beta)+13i\sin^{5}(\beta)+13i\sin^{5}(\beta)+13i\sin^{5}(\beta)+13i\sin^{5}(\beta)+13i\sin^{5}(\beta)+13i\sin^{5}(\beta)+13i\sin^{5}(\beta
 +e^{-5i\gamma}\left(-2\sin^2(\beta)\cos^5(\beta)-5i\sin^3(\beta)\cos^4(\beta)+5\sin^4(\beta)\cos^3(\beta)+2i\sin^5(\beta)\cos^2(\beta)\right)\left(e^{7i\gamma}\left(\cos^3(\beta)\sin^4(\beta)-i\cos^4(\beta)\sin^3(\beta)\cos^3(\beta)+2i\sin^5(\beta)\cos^2(\beta)\right)\right)
+e^{3i\gamma}\left(-6\sin^{2}(\beta)\cos^{5}(\beta)-15i\sin^{3}(\beta)\cos^{4}(\beta)+15\sin^{4}(\beta)\cos^{3}(\beta)+6i\sin^{5}(\beta)\cos^{2}(\beta)\right)+e^{-i\gamma}\left(5i\sin(\beta)\cos^{6}(\beta)-13\sin^{2}(\beta)\cos^{4}(\beta)+15\sin^{4}(\beta)\cos^{3}(\beta)+6i\sin^{5}(\beta)\cos^{2}(\beta)\right)+e^{-i\gamma}\left(5i\sin(\beta)\cos^{6}(\beta)-13\sin^{2}(\beta)\cos^{4}(\beta)+15\sin^{4}(\beta)\cos^{3}(\beta)+6i\sin^{5}(\beta)\cos^{2}(\beta)\right)+e^{-i\gamma}\left(5i\sin(\beta)\cos^{6}(\beta)-13\sin^{2}(\beta)\cos^{4}(\beta)+15\sin^{4}(\beta)\cos^{3}(\beta)+6i\sin^{5}(\beta)\cos^{2}(\beta)\right)+e^{-i\gamma}\left(5i\sin(\beta)\cos^{6}(\beta)-13\sin^{2}(\beta)\cos^{4}(\beta)+15\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{5}(\beta)\cos^{4}(\beta)\right)+e^{-i\gamma}\left(5i\sin(\beta)\cos^{6}(\beta)-13\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{5}(\beta)\cos^{4}(\beta)+6i\sin^{5}(\beta)\cos^{4}(\beta)\right)+e^{-i\gamma}\left(5i\sin(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)+6i\sin^{4}(\beta)+6i\sin^{4}(\beta)+6i\sin^{4}(\beta)+6i\sin^{4}(\beta)+6i\sin^{4}(\beta)+6i\sin^{4}(\beta)+6i\sin^{4}(\beta)+6i\sin^{4}(\beta)+6i\sin^{4}(\beta)+6i\sin^{4}(\beta)+6i\sin^{4}(\beta)+6i\sin^{4}(\beta)+6i\sin^{4}(\beta)+6i\sin^{4}(\beta)+6i\sin^{4}(\beta)+6i\sin^{4}(\beta)+6i\sin^{4}(\beta)+6i\sin^{4}
+e^{-5i\gamma}(\cos^7(\beta)+2i\sin(\beta)\cos^6(\beta)-2\sin^2(\beta)\cos^5(\beta)-2i\sin^3(\beta)\cos^4(\beta)+2\sin^4(\beta)\cos^3(\beta)+2i\sin^5(\beta)\cos^2(\beta)-2\sin^6(\beta)\cos^6(\beta)
 +e^{3i\gamma}\left(-3\sin^{2}(\beta)\cos^{5}(\beta)-4i\sin^{3}(\beta)\cos^{4}(\beta)+4\sin^{4}(\beta)\cos^{3}(\beta)+3i\sin^{5}(\beta)\cos^{2}(\beta)\right)\left(e^{-5i\gamma}\left(-3\sin^{2}(\beta)\cos^{5}(\beta)-4i\sin^{3}(\beta)\cos^{4}(\beta)+4\sin^{4}(\beta)\cos^{3}(\beta)+3i\sin^{5}(\beta)\cos^{2}(\beta)\right)\right)
+e^{-i\gamma} \left(4 i \sin(\beta) \cos^6(\beta)-9 \sin^2(\beta) \cos^5(\beta)-22 i \sin^3(\beta) \cos^4(\beta)+22 \sin^4(\beta) \cos^3(\beta)+9 i \sin^5(\beta) \cos^2(\beta)-4 \sin^6(\beta) \cos(\beta)\right)
+e^{7i\gamma}(i\cos^{6}(\beta)\sin(\beta)-\cos(\beta)\sin^{6}(\beta))+e^{3i\gamma}(\cos^{7}(\beta)+2i\sin(\beta)\cos^{6}(\beta)-9\sin^{2}(\beta)\cos^{5}(\beta)-9i\sin^{3}(\beta)\cos^{4}(\beta)+9\sin^{4}(\beta)\cos^{6}(\beta)\sin^{6}(\beta)\cos^{6}(\beta)\sin^{6}(\beta)\cos^{6}(\beta)\sin^{6}(\beta)\cos^{6}(\beta)\sin^{6}(\beta)\cos^{6}(\beta)\sin^{6}(\beta)\cos^{6}(\beta)\sin^{6}(\beta)\cos^{6}(\beta)\sin^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\sin^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\sin^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\sin^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\sin^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos
 +e^{-i\gamma}\left(i\sin(\beta)\cos^{6}(\beta)-2\sin^{2}(\beta)\cos^{5}(\beta)-4i\sin^{3}(\beta)\cos^{4}(\beta)+4\sin^{4}(\beta)\cos^{3}(\beta)+2i\sin^{5}(\beta)\cos^{2}(\beta)-\sin^{6}(\beta)\cos(\beta)\right)\left(e^{7i\gamma}\left(\sin(\beta)\cos^{6}(\beta)-2\sin^{2}(\beta)\cos^{5}(\beta)-4i\sin^{3}(\beta)\cos^{4}(\beta)+4\sin^{4}(\beta)\cos^{3}(\beta)+2i\sin^{5}(\beta)\cos^{2}(\beta)-\sin^{6}(\beta)\cos(\beta)\right)\right)
+e^{3i\gamma}(3i\sin(\beta)\cos^6(\beta)-6\sin^2(\beta)\cos^5(\beta)-12i\sin^3(\beta)\cos^4(\beta)+12\sin^4(\beta)\cos^3(\beta)+6i\sin^5(\beta)\cos^2(\beta)-3\sin^6(\beta)\cos(\beta))
 +e^{-5i\gamma}\left(2i\sin(\beta)\cos^{6}(\beta)-3\sin^{2}(\beta)\cos^{5}(\beta)-2i\sin^{3}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{3}(\beta)+3i\sin^{5}(\beta)\cos^{2}(\beta)-2\sin^{6}(\beta)\cos(\beta)\right)
 +e^{-i\gamma}\left(\cos^{7}(\beta)+2i\sin(\beta)\cos^{6}(\beta)-11\sin^{2}(\beta)\cos^{5}(\beta)-21i\sin^{3}(\beta)\cos^{4}(\beta)+21\sin^{4}(\beta)\cos^{3}(\beta)+11i\sin^{5}(\beta)\cos^{2}(\beta)-2\sin^{6}(\beta)\cos^{2}(\beta)+2i\sin^{4}(\beta)\cos^{2}(\beta)+2i\sin^{4}(\beta)\cos^{2}(\beta)+2i\sin^{4}(\beta)\cos^{2}(\beta)+2i\sin^{4}(\beta)\cos^{2}(\beta)+2i\sin^{4}(\beta)\cos^{2}(\beta)+2i\sin^{4}(\beta)\cos^{2}(\beta)+2i\sin^{4}(\beta)\cos^{2}(\beta)+2i\sin^{4}(\beta)\cos^{2}(\beta)+2i\sin^{4}(\beta)\cos^{2}(\beta)+2i\sin^{4}(\beta)\cos^{2}(\beta)+2i\sin^{4}(\beta)\cos^{2}(\beta)+2i\sin^{4}(\beta)\cos^{2}(\beta)+2i\sin^{4}(\beta)\cos^{2}(\beta)+2i\sin^{4}(\beta)\cos^{2}(\beta)+2i\sin^{4}(\beta)\cos^{2}(\beta)+2i\sin^{4}(\beta)\cos^{2}(\beta)+2i\sin^{4}(\beta)\cos^{2}(\beta)+2i\sin^{4}(\beta)\cos^{2}(\beta)+2i\sin^{4}(\beta)\cos^{2}(\beta)+2i\sin^{4}(\beta)\cos^{2}(\beta)+2i\sin^{4}(\beta)\cos^{2}(\beta)+2i\sin^{4}(\beta)\cos^{2}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)+2i\sin^{4}(\beta)+2i\sin^{4}(\beta)+2i\sin^{4}(\beta)+2i\sin^{4}(\beta)+2i\sin^{4}(\beta)+2i\sin^{
    (e^{-7i\gamma}(i\sin^3(\beta)\cos^4(\beta)+\sin^4(\beta)\cos^3(\beta))(e^{5i\gamma}(7i\sin^3(\beta)\cos^4(\beta)+7\sin^4(\beta)\cos^3(\beta))+e^{i\gamma}(-14\sin^2(\beta)\cos^5(\beta)+21i\sin^3(\beta)\cos^4(\beta)+\sin^4(\beta)\cos^3(\beta)))
 +e^{-3i\gamma}\left(-7i\sin(\beta)\cos^{6}(\beta)-7\sin^{2}(\beta)\cos^{5}(\beta)+7i\sin^{3}(\beta)\cos^{4}(\beta)+7\sin^{4}(\beta)\cos^{3}(\beta)-7i\sin^{5}(\beta)\cos^{2}(\beta)-7\sin^{6}(\beta)\cos(\beta)\right)
 +e^{-7i\gamma}(\cos^7(\beta)+i\sin^7(\beta)))+e^{i\gamma}(-2\sin^2(\beta)\cos^5(\beta)+5i\sin^3(\beta)\cos^4(\beta)+5\sin^4(\beta)\cos^3(\beta)-2i\sin^5(\beta)\cos^2(\beta))(e^{-7i\gamma}(i\sin^2(\beta)+i\sin^2(\beta)))
 +e^{5i\gamma}\left(-2\sin^2(\beta)\cos^5(\beta)+5i\sin^3(\beta)\cos^4(\beta)+5\sin^4(\beta)\cos^3(\beta)-2i\sin^5(\beta)\cos^2(\beta)\right)+e^{-3i\gamma}\left(-i\sin(\beta)\cos^6(\beta)-7\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2
+e^{i\gamma}\left(\cos^{7}(\beta)-6i\sin(\beta)\cos^{6}(\beta)-12\sin^{2}(\beta)\cos^{5}(\beta)+16i\sin^{3}(\beta)\cos^{4}(\beta)+16\sin^{4}(\beta)\cos^{3}(\beta)-12i\sin^{5}(\beta)\cos^{2}(\beta)-6\sin^{6}(\beta)\cos^{6}(\beta)\right)
+e^{-3i\gamma}\left(-2i\sin(\beta)\cos^{6}(\beta)-3\sin^{2}(\beta)\cos^{5}(\beta)+2i\sin^{3}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{3}(\beta)-3i\sin^{5}(\beta)\cos^{2}(\beta)-2\sin^{6}(\beta)\cos^{5}(\beta)+2i\sin^{3}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{3}(\beta)-3i\sin^{5}(\beta)\cos^{2}(\beta)-2\sin^{6}(\beta)\cos^{5}(\beta)+2i\sin^{3}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{3}(\beta)-3i\sin^{5}(\beta)\cos^{5}(\beta)+2i\sin^{4}(\beta)\cos^{5}(\beta)+2i\sin^{4}(\beta)\cos^{5}(\beta)+2i\sin^{4}(\beta)\cos^{5}(\beta)+2i\sin^{4}(\beta)\cos^{5}(\beta)+2i\sin^{4}(\beta)\cos^{5}(\beta)+2i\sin^{5}(\beta)\cos^{5}(\beta)+2i\sin^{5}(\beta)\cos^{5}(\beta)+2i\sin^{5}(\beta)\cos^{5}(\beta)+2i\sin^{5}(\beta)\cos^{5}(\beta)+2i\sin^{5}(\beta)\cos^{5}(\beta)+2i\sin^{5}(\beta)\cos^{5}(\beta)+2i\sin^{5}(\beta)\cos^{5}(\beta)+2i\sin^{5}(\beta)\cos^{5}(\beta)+2i\sin^{5}(\beta)\cos^{5}(\beta)+2i\sin^{5}(\beta)\cos^{5}(\beta)+2i\sin^{5}(\beta)\cos^{5}(\beta)+2i\sin^{5}(\beta)\cos^{5}(\beta)+2i\sin^{5}(\beta)\cos^{5}(\beta)+2i\sin^{5}(\beta)\cos^{5}(\beta)+2i\sin^{5}(\beta)\cos^{5}(\beta)+2i\sin^{5}(\beta)\cos^{5}(\beta)+2i\sin^{5}(\beta)\cos^{5}(\beta)+2i\sin^{5}(\beta)\cos^{5}(\beta)+2i\sin^{5}(\beta)\cos^{5}(\beta)+2i\sin^{5}(\beta)\cos^{5}(\beta)+2i\sin^{5}(\beta)\cos^{5}(\beta)+2i\sin^{5}(\beta)\cos^{5}(\beta)+2i\sin^{5}(\beta)\cos^{5}(\beta)+2i\sin^{5}(\beta)\cos^{5}(\beta)+2i\sin^{5}(\beta)\cos^{5}(\beta)+2i\sin^{5}(\beta)\cos^{5}(\beta)+2i\sin^{5}(\beta)\cos^{5}(\beta)+2i\sin^{5}(\beta)\cos^{5}(\beta)+2i\sin^{5}(\beta)\cos^{5}(\beta)+2i\sin^{5}(\beta)\cos^{5}(\beta)+2i\sin^{5}(\beta)\cos^{5}(\beta)+2i\sin^{5}(\beta)\cos^{5}(\beta)+2i\sin^{5}(\beta)\cos^{5}(\beta)+2i\sin^{5}(\beta)\cos^{5}(\beta)+2i\sin^{5}(\beta)\cos^{5}(\beta)+2i\sin^{5}(\beta)\cos^{5}(\beta)+2i\sin^{5}(\beta)\cos^{5}(\beta)+2i\sin^{5}(\beta)\cos^{5}(\beta)+2i\sin^{5}(\beta)\cos^{5}(\beta)+2i\sin^{5}(\beta)\cos^{5}(\beta)+2i\sin^{5}(\beta)\cos^{5}(\beta)+2i\sin^{5}(\beta)\cos^{5}(\beta)+2i\sin^{5}(\beta)\cos^{5}(\beta)+2i\sin^{5}(\beta)\cos^{5}(\beta)+2i\sin^{5}(\beta)\cos^{5}(\beta)+2i\sin^{5}(\beta)\cos^{5}(\beta)+2i\sin^{5}(\beta)\cos^{5}(\beta)+2i\sin^{5}(\beta)\cos^{5}(\beta)+2i\sin^{5}(\beta)\cos^{5}(\beta)+2i\sin^{5}(\beta)\cos^{5}(\beta)+2i\sin^{5}(\beta)\cos^{5}(\beta)+2i\sin^{5}(\beta)\cos^{5}(\beta)+2i\sin^{5}(\beta)\cos^{5}(\beta)+2i\sin^{5}(\beta)\cos^{5}(\beta)+2i\sin^{5}(\beta)\cos^{5}(\beta)+2i\sin^{5}(\beta)\cos^{5}(\beta)+2i\sin^{5}(\beta)\cos^{5}(\beta)+2i\sin^{5}(\beta)\cos^{5}(\beta)+2i\sin^{5}(\beta)\cos^{5}(\beta)+2i\sin^{5}(\beta)\cos^{5}(\beta)+2i\sin^{5}(\beta)\cos^{5}(\beta)+2i\sin^{5}(\beta)\cos^{5}(\beta)+2i\sin^{5}(\beta)\cos^{5}(\beta)+2i\sin^{5}(\beta)\cos^{5}(\beta)+2i\sin^{5}(\beta)\cos^{5}(\beta)+2i\sin^{5}(\beta)\cos^{5}(\beta)+2i\sin^{5}(\beta)\cos^{5}(\beta)+2i\sin^{5}(\beta)\cos^{5}(\beta)+2i\sin^{5}(\beta)\cos^{5}(\beta)+2i\sin^{5}(\beta)\cos^{5}(\beta)+2i\sin^{5}(\beta)\cos^{5}(\beta)+2i\sin^{5}(\beta)\cos^{5}(\beta)+2i\sin^{5}(\beta)\cos^{5}(\beta)+2i\sin^{5}(\beta)\cos^{5}(\beta)+2i\sin^{5}(\beta)\cos^{5}(\beta)+2i\sin^{5}(\beta)\cos^{5}(\beta)+2i\sin^{5}(\beta)\cos^{5}(\beta)+2i\sin^{5}(\beta)\cos^{5}(\beta)+2i\sin^{5}(\beta)\cos^{5}(\beta)+2i\sin^{5}(\beta)\cos^{5}(\beta)+2i\sin^{5}(\beta)\cos^{5}(\beta)+2i\sin^{5}(\beta)\cos^{5}(\beta)+2i\sin^{5}(\beta)+2i\sin^{5}(\beta)+2i\sin^{5}(\beta)+2i\sin^{5}(\beta)+2i\sin^{5}(\beta)+2i\sin^{5}(\beta)+2i\sin^{5}(\beta)+2i\sin^{5}(\beta)+2i\sin^{5}(\beta)+2i\sin^{5}(\beta)+2i\sin^{5}(\beta)+2i\sin^{5}(\beta)+2i\sin^{5}(\beta)
+e^{5i\gamma}\left(-\sin^{2}(\beta)\cos^{5}(\beta)+6i\sin^{3}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{3}(\beta)-i\sin^{5}(\beta)\cos^{2}(\beta)\right)+e^{i\gamma}\left(-3i\sin(\beta)\cos^{6}(\beta)-14\sin^{2}(\beta)\cos^{5}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{3}(\beta)+6i\sin^{4}(\beta)\cos^{5}(\beta)+6i\sin^{4}(\beta)\cos^{5}(\beta)+6i\sin^{4}(\beta)\cos^{5}(\beta)+6i\sin^{4}(\beta)\cos^{5}(\beta)+6i\sin^{4}(\beta)\cos^{5}(\beta)+6i\sin^{4}(\beta)\cos^{5}(\beta)+6i\sin^{5}(\beta)\cos^{5}(\beta)+6i\sin^{5}(\beta)\cos^{5}(\beta)+6i\sin^{5}(\beta)\cos^{5}(\beta)+6i\sin^{5}(\beta)\cos^{5}(\beta)+6i\sin^{5}(\beta)\cos^{5}(\beta)+6i\sin^{5}(\beta)\cos^{5}(\beta)+6i\sin^{5}(\beta)\cos^{5}(\beta)+6i\sin^{5}(\beta)\cos^{5}(\beta)+6i\sin^{5}(\beta)\cos^{5}(\beta)+6i\sin^{5}(\beta)\cos^{5}(\beta)+6i\sin^{5}(\beta)\cos^{5}(\beta)+6i\sin^{5}(\beta)\cos^{5}(\beta)+6i\sin^{5}(\beta)\cos^{5}(\beta)+6i\sin^{5}(\beta)\cos^{5}(\beta)+6i\sin^{5}(\beta)\cos^{5}(\beta)+6i\sin^{5}(\beta)\cos^{5}(\beta)+6i\sin^{5}(\beta)\cos^{5}(\beta)+6i\sin^{5}(\beta)\cos^{5}(\beta)+6i\sin^{5}(\beta)\cos^{5}(\beta)+6i\sin^{5}(\beta)\cos^{5}(\beta)+6i\sin^{5}(\beta)\cos^{5}(\beta)+6i\sin^{5}(\beta)\cos^{5}(\beta)+6i\sin^{5}(\beta)\cos^{5}(\beta)+6i\sin^{5}(\beta)\cos^{5}(\beta)+6i\sin^{5}(\beta)\cos^{5}(\beta)+6i\sin^{5}(\beta)\cos^{5}(\beta)+6i\sin^{5}(\beta)\cos^{5}(\beta)+6i\sin^{5}(\beta)\cos^{5}(\beta)+6i\sin^{5}(\beta)\cos^{5}(\beta)+6i\sin^{5}(\beta)\cos^{5}(\beta)+6i\sin^{5}(\beta)\cos^{5}(\beta)+6i\sin^{5}(\beta)\cos^{5}(\beta)+6i\sin^{5}(\beta)\cos^{5}(\beta)+6i\sin^{5}(\beta)\cos^{5}(\beta)+6i\sin^{5}(\beta)\cos^{5}(\beta)+6i\sin^{5}(\beta)\cos^{5}(\beta)+6i\sin^{5}(\beta)\cos^{5}(\beta)+6i\sin^{5}(\beta)\cos^{5}(\beta)+6i\sin^{5}(\beta)\cos^{5}(\beta)+6i\sin^{5}(\beta)\cos^{5}(\beta)+6i\sin^{5}(\beta)\cos^{5}(\beta)+6i\sin^{5}(\beta)\cos^{5}(\beta)+6i\sin^{5}(\beta)\sin^{5}(\beta)\cos^{5}(\beta)+6i\sin^{5}(\beta)\cos^{5}(\beta)+6i\sin^{5}(\beta)\cos^{5}(\beta)+6i\sin^{5}(\beta)\cos^{5}(\beta)+6i\sin^{5}(\beta)\cos^{5}(\beta)+6i\sin^{5}(\beta)\cos^{5}(\beta)+6i\sin^{5}(\beta)\cos^{5}(\beta)+6i\sin^{5}(\beta)\cos^{5}(\beta)+6i\sin^{5}(\beta)\cos^{5}(\beta)+6i\sin^{5}(\beta)\cos^{5}(\beta)+6i\sin^{5}(\beta)\cos^{5}(\beta)+6i\sin^{5}(\beta)\cos^{5}(\beta)+6i\sin^{5}(\beta)\cos^{5}(\beta)+6i\sin^{5}(\beta)\cos^{5}(\beta)+6i\sin^{5}(\beta)\cos^{5}(\beta)+6i\sin^{5}(\beta)\cos^{5}(\beta)+6i\sin^{5}(\beta)\cos^{5}(\beta)+6i\sin^{5}(\beta)\cos^{5}(\beta)+6i\sin^{5}(\beta)\cos^{5}(\beta)+6i\sin^{5}(\beta)\cos^{5}(\beta)+6i\sin^{5}(\beta)\cos^{5}(\beta)+6i\sin^{5}(\beta)\cos^{5}(\beta)+6i\sin^{5}(\beta)\cos^{5}(\beta)+6i\sin^{5}(\beta)\cos^{5}(\beta)+6i\sin^{5}(\beta)\cos^{5}(\beta)+6i\sin^{5}(\beta)\cos^{5}(\beta)+6i\sin^{5}(\beta)\cos^{5}(\beta)+6i\sin^{5}(\beta)\cos^{5}(\beta)+6i\sin^{5}(\beta)\cos^{5}(\beta)+6i\sin^{5}(\beta)\cos^{5}(\beta)+6i\sin^{5}(\beta)\cos^{5}(\beta)+6i\sin^{5}(\beta)\cos^{5}(\beta)+6i\sin^{5}(\beta)\cos^{5}(\beta)+6i\sin^{5}(\beta)\cos^{5}(\beta)+6i\sin^{5}(\beta)\cos^{5}(\beta)+6i\sin^{5}(\beta)\cos^{5}(\beta)+6i\sin^{5}(\beta)\cos^{5}(\beta)+6i\sin^{5}(\beta)\cos^{5}(\beta)+6i\sin^{5}(\beta)\cos^{5}(\beta)+6i\sin^{5}(\beta)\cos^{5}(\beta)+6i\sin^{5}(\beta)+6i\sin^{5}(\beta)+6i\sin^{5}(\beta)+6i\sin^{5}(\beta)+6i\sin^{5}(\beta)+6i\sin^{5}(\beta)+6i\sin^{5}(\beta)+6i\sin^{5}(\beta)+6i\sin^{5}(\beta)+6i\sin^{5}(\beta)+6i\sin^{5}(\beta)+6i\sin^{5}(\beta)+6i\sin^{5}(\beta)+6i\sin^{5}(\beta)+6i\sin^{5}(\beta)+6i\sin^{5}(\beta)+6i\sin^{5}(\beta)+6i\sin^{5}(\beta)+
 +e^{-3i\gamma}(\cos^7(\beta)-4i\sin(\beta)\cos^6(\beta)-5\sin^2(\beta)\cos^5(\beta)+11i\sin^3(\beta)\cos^4(\beta)+11\sin^4(\beta)\cos^3(\beta)-5i\sin^5(\beta)\cos^2(\beta)-4\sin^6(\beta)\cos^6(\beta)
+e^{-3i\gamma}\left(\cos^{7}(\beta)-2i\sin(\beta)\cos^{6}(\beta)-2\sin^{2}(\beta)\cos^{5}(\beta)+2i\sin^{3}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{3}(\beta)-2i\sin^{5}(\beta)\cos^{2}(\beta)\right)
 -2\sin^{6}(\beta)\cos(\beta) + i\sin^{7}(\beta))\left(e^{-7i\gamma}\left(i\sin^{3}(\beta)\cos^{4}(\beta) + \sin^{4}(\beta)\cos^{3}(\beta)\right) + e^{5i\gamma}\left(-2\sin^{2}(\beta)\cos^{5}(\beta) + 5i\sin^{3}(\beta)\cos^{4}(\beta) + 5\sin^{4}(\beta)\cos^{4}(\beta)\right)\right)
 +e^{i\gamma}\left(-3i\sin(\beta)\cos^{6}(\beta)-11\sin^{2}(\beta)\cos^{5}(\beta)+21i\sin^{3}(\beta)\cos^{4}(\beta)+21\sin^{4}(\beta)\cos^{3}(\beta)-11i\sin^{5}(\beta)\cos^{2}(\beta)-3\sin^{6}(\beta)\cos(\beta)\right)
 +e^{-3i\gamma}(\cos^7(\beta)-4i\sin(\beta)\cos^6(\beta)-8\sin^2(\beta)\cos^5(\beta)+8i\sin^3(\beta)\cos^4(\beta)+8\sin^4(\beta)\cos^3(\beta)-8i\sin^5(\beta)\cos^2(\beta)-4\sin^6(\beta)\cos^6(\beta)
+e^{i\gamma}\left(-2i\sin(\beta)\cos^{6}(\beta)-6\sin^{2}(\beta)\cos^{5}(\beta)+6i\sin^{3}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{3}(\beta)-6i\sin^{5}(\beta)\cos^{2}(\beta)-2\sin^{6}(\beta)\cos(\beta)\right)\left(e^{-i\beta}\cos^{4}(\beta)\cos^{2}(\beta)+6i\sin^{3}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{3}(\beta)-6i\sin^{5}(\beta)\cos^{2}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)+6i\sin^{4}(\beta)+6i\sin^{4}(\beta)+6i\sin^{4}(\beta)+6i\sin^{4}(\beta)+6i\sin^{4}(\beta)+6i\sin^{4}(\beta)+6i\sin^{4}(\beta)+6i\sin^{4}(\beta)+6i\sin^{4}(\beta)+6i\sin^{4}(\beta)+6i\sin^{4}(\beta)+6i\sin^{4}(\beta)+6i\sin^{4}(\beta)+6i\sin^{4}(\beta)+6i\sin^{4}(\beta)+6i\sin^{4}(\beta)+6i\sin^{4}(
 +e^{-3i\gamma}\left(-2i\sin(\beta)\cos^{6}(\beta)-8\sin^{2}(\beta)\cos^{5}(\beta)+11i\sin^{3}(\beta)\cos^{4}(\beta)+11\sin^{4}(\beta)\cos^{3}(\beta)-8i\sin^{5}(\beta)\cos^{2}(\beta)-2\sin^{6}(\beta)\cos(\beta)\right)
 +e^{5i\gamma}\left(-i\sin(\beta)\cos^{6}(\beta)-3\sin^{2}(\beta)\cos^{5}(\beta)+3i\sin^{3}(\beta)\cos^{2}(\beta)+3\sin^{4}(\beta)\cos^{3}(\beta)-3i\sin^{5}(\beta)\cos^{2}(\beta)-\sin^{6}(\beta)\cos(\beta)\right)
 +e^{i\gamma}\left(\cos^{7}(\beta)-4i\sin(\beta)\cos^{6}(\beta)-10\sin^{2}(\beta)\cos^{5}(\beta)+20i\sin^{3}(\beta)\cos^{4}(\beta)+20\sin^{4}(\beta)\cos^{3}(\beta)-10i\sin^{5}(\beta)\cos^{2}(\beta)-4\sin^{6}(\beta)\cos^{6}(\beta)\right)
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 $+e^{i\gamma}\left(-\sin^{2}(\beta)\cos^{5}(\beta)+6i\sin^{3}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{3}(\beta)-i\sin^{5}(\beta)\cos^{2}(\beta)\right)\left(e^{-7i\gamma}\left(-\sin^{2}(\beta)\cos^{5}(\beta)-i\sin^{5}(\beta)\cos^{2}(\beta)+6i\sin^{4}(\beta)+6i\sin^{4}(\beta)+6i\sin^{4}(\beta)+6i\sin^{4}(\beta)+6i\sin^{4}(\beta)+6i\sin^{4}(\beta)+6i\sin^{4}(\beta)+6i\sin^{4}(\beta)+6i\sin^{4}(\beta)+6i\sin^{4}(\beta)+6i\sin^{4}(\beta)+6i\sin^{4}(\beta)+6i\sin^{4}(\beta)+6i\sin^{4}(\beta)+6i\sin^{4}(\beta)+6i\sin^{4}(\beta)+6i\sin^{4}(\beta)+6i\sin^{4}(\beta)+6i\sin^{$

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(e^{7i\gamma}(i\cos^2(\beta)\sin^5(\beta)-\cos^5(\beta)\sin^2(\beta))(e^{-5i\gamma}(7\cos^3(\beta)\sin^4(\beta)-7i\cos^4(\beta)\sin^3(\beta))
 +e^{-i\gamma}\left(-14\sin^2(\beta)\cos^5(\beta)-21i\sin^3(\beta)\cos^4(\beta)+21\sin^4(\beta)\cos^3(\beta)+14i\sin^5(\beta)\cos^2(\beta)\right)
+e^{3i\gamma}(7i\sin(\beta)\cos^6(\beta)-7\sin^2(\beta)\cos^5(\beta)-7i\sin^3(\beta)\cos^4(\beta)+7\sin^4(\beta)\cos^3(\beta)+7i\sin^5(\beta)\cos^2(\beta)-7\sin^6(\beta)\cos(\beta))
+e^{7i\gamma}\left(\cos^{7}(\beta)-i\sin^{7}(\beta)\right)+e^{-i\gamma}\left(2i\sin(\beta)\cos^{6}(\beta)-3\sin^{2}(\beta)\cos^{5}(\beta)-2i\sin^{3}(\beta)\cos^{4}(\beta)\right)
 +2\sin^4(\beta)\cos^3(\beta) + 3i\sin^5(\beta)\cos^2(\beta) - 2\sin^6(\beta)\cos(\beta) (e^{7i\gamma}(\cos^3(\beta)\sin^4(\beta) - i\cos^4(\beta)\sin^3(\beta))
 +e^{-5i\gamma}\left(-2\sin^2(\beta)\cos^5(\beta)-5i\sin^3(\beta)\cos^4(\beta)+5\sin^4(\beta)\cos^3(\beta)+2i\sin^5(\beta)\cos^2(\beta)\right)
+e^{3i\gamma}\left(i\sin(\beta)\cos^{6}(\beta)-7\sin^{2}(\beta)\cos^{5}(\beta)-13i\sin^{3}(\beta)\cos^{4}(\beta)+13\sin^{4}(\beta)\cos^{3}(\beta)+7i\sin^{5}(\beta)\cos^{2}(\beta)-\sin^{6}(\beta)\cos(\beta)\right)
+e^{-i\gamma}\left(\cos^{7}(\beta)+6i\sin(\beta)\cos^{6}(\beta)-12\sin^{2}(\beta)\cos^{5}(\beta)-16i\sin^{3}(\beta)\cos^{4}(\beta)+16\sin^{4}(\beta)\cos^{3}(\beta)+12i\sin^{5}(\beta)\cos^{2}(\beta)-6\sin^{6}(\beta)\cos^{2}(\beta)+16i\sin^{4}(\beta)\cos^{2}(\beta)+16i\sin^{4}(\beta)\cos^{2}(\beta)+16i\sin^{4}(\beta)\cos^{2}(\beta)+16i\sin^{4}(\beta)\cos^{2}(\beta)+16i\sin^{4}(\beta)\cos^{2}(\beta)+16i\sin^{4}(\beta)\cos^{2}(\beta)+16i\sin^{4}(\beta)\cos^{2}(\beta)+16i\sin^{4}(\beta)\cos^{2}(\beta)+16i\sin^{4}(\beta)\cos^{2}(\beta)+16i\sin^{4}(\beta)\cos^{2}(\beta)+16i\sin^{4}(\beta)\cos^{2}(\beta)+16i\sin^{4}(\beta)\cos^{2}(\beta)+16i\sin^{4}(\beta)\cos^{2}(\beta)+16i\sin^{4}(\beta)\cos^{2}(\beta)+16i\sin^{4}(\beta)\cos^{2}(\beta)+16i\sin^{4}(\beta)\cos^{2}(\beta)+16i\sin^{4}(\beta)\cos^{2}(\beta)+16i\sin^{4}(\beta)\cos^{2}(\beta)+16i\sin^{4}(\beta)\cos^{2}(\beta)+16i\sin^{4}(\beta)\cos^{2}(\beta)+16i\sin^{4}(\beta)\cos^{2}(\beta)+16i\sin^{4}(\beta)\cos^{2}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)+16i\sin^{4}(\beta)+16i\sin^{4}(\beta)+16i\sin^{4}(\beta)+16i\sin^{4}(\beta)+16i\sin^{4}(\beta)+16i\sin^{4}(\beta)+16i\sin^{4}(\beta)+16i\sin^{4}(\beta)+16i\sin^{4}(\beta)+16i\sin^{4}(\beta)+16
 +e^{3i\gamma}\left(-4\sin^2(\beta)\cos^5(\beta)-3i\sin^3(\beta)\cos^4(\beta)+3\sin^4(\beta)\cos^3(\beta)\right)
 +4i\sin^5(\beta)\cos^2(\beta)) \left(e^{7i\gamma}\left(i\cos^2(\beta)\sin^5(\beta)-\cos^5(\beta)\sin^2(\beta)\right)\right)
+e^{-5i\gamma}\left(-\sin^2(\beta)\cos^5(\beta)-6i\sin^3(\beta)\cos^4(\beta)+6\sin^4(\beta)\cos^3(\beta)+i\sin^5(\beta)\cos^2(\beta)\right)
+e^{-i\gamma}\left(3i\sin(\beta)\cos^{6}(\beta)-14\sin^{2}(\beta)\cos^{5}(\beta)-18i\sin^{3}(\beta)\cos^{4}(\beta)+18\sin^{4}(\beta)\cos^{3}(\beta)+14i\sin^{5}(\beta)\cos^{2}(\beta)-3\sin^{6}(\beta)\cos(\beta)\right)
 +e^{3i\gamma}\left(\cos^{7}(\beta)+4i\sin(\beta)\cos^{6}(\beta)-5\sin^{2}(\beta)\cos^{5}(\beta)-11i\sin^{3}(\beta)\cos^{4}(\beta)+11\sin^{4}(\beta)\cos^{3}(\beta)+5i\sin^{5}(\beta)\cos^{2}(\beta)-4\sin^{6}(\beta)\cos^{6}(\beta)\right)
+e^{3i\gamma}\left(-\sin^2(\beta)\cos^5(\beta)-6i\sin^3(\beta)\cos^4(\beta)+6\sin^4(\beta)\cos^3(\beta)\right)
 +i\sin^5(\beta)\cos^2(\beta)) \left(e^{7i\gamma}\left(\cos^3(\beta)\sin^4(\beta)-i\cos^4(\beta)\sin^3(\beta)\right)\right)
 +e^{-5i\gamma}\left(-2\sin^2(\beta)\cos^5(\beta)-5i\sin^3(\beta)\cos^4(\beta)+5\sin^4(\beta)\cos^3(\beta)+2i\sin^5(\beta)\cos^2(\beta)\right)
+e^{-i\gamma}(3i\sin(\beta)\cos^6(\beta)-11\sin^2(\beta)\cos^5(\beta)-21i\sin^3(\beta)\cos^4(\beta)+21\sin^4(\beta)\cos^3(\beta)+11i\sin^5(\beta)\cos^2(\beta)-3\sin^6(\beta)\cos(\beta)
+e^{3i\gamma}(\cos^7(\beta)+4i\sin(\beta)\cos^6(\beta)-8\sin^2(\beta)\cos^5(\beta)-8i\sin^3(\beta)\cos^4(\beta)+8\sin^4(\beta)\cos^3(\beta)+8i\sin^5(\beta)\cos^2(\beta)-4\sin^6(\beta)\cos^6(\beta)
 +e^{-i\gamma}\left(2i\sin(\beta)\cos^{6}(\beta)-4\sin^{2}(\beta)\cos^{5}(\beta)-8i\sin^{3}(\beta)\cos^{4}(\beta)+8\sin^{4}(\beta)\cos^{3}(\beta)+4i\sin^{5}(\beta)\cos^{2}(\beta)-2\sin^{6}(\beta)\cos(\beta)\right)\left(e^{7i\beta}\cos^{2}(\beta)-6\sin^{2}(\beta)\cos^{2}(\beta)-6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{
 +e^{3i\gamma}\left(2i\sin(\beta)\cos^{6}(\beta)-8\sin^{2}(\beta)\cos^{5}(\beta)-11i\sin^{3}(\beta)\cos^{4}(\beta)+11\sin^{4}(\beta)\cos^{3}(\beta)+8i\sin^{5}(\beta)\cos^{2}(\beta)-2\sin^{6}(\beta)\cos(\beta)\right)
 +e^{-5i\gamma}\left(i\sin(\beta)\cos^{6}(\beta)-3\sin^{2}(\beta)\cos^{5}(\beta)-3i\sin^{3}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{3}(\beta)+3i\sin^{5}(\beta)\cos^{2}(\beta)-\sin^{6}(\beta)\cos(\beta)\right)
+e^{-i\gamma}\left(\cos^7(\beta)+4i\sin(\beta)\cos^6(\beta)-10\sin^2(\beta)\cos^5(\beta)-20i\sin^3(\beta)\cos^4(\beta)+20\sin^4(\beta)\cos^3(\beta)+10i\sin^5(\beta)\cos^2(\beta)-4\sin^6(\beta)\cos^2(\beta)+20\sin^4(\beta)\cos^2(\beta)+20\sin^4(\beta)\cos^2(\beta)+20\sin^4(\beta)\cos^2(\beta)+20\sin^4(\beta)\cos^2(\beta)\cos^2(\beta)+20\sin^4(\beta)\cos^2(\beta)\cos^2(\beta)+20\sin^4(\beta)\cos^2(\beta)\cos^2(\beta)+20\sin^4(\beta)\cos^2(\beta)\cos^2(\beta)+20\sin^4(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos
+e^{-i\gamma}\left(\cos^{7}(\beta)-2\sin^{2}(\beta)\cos^{5}(\beta)-4i\sin^{3}(\beta)\cos^{4}(\beta)+4\sin^{4}(\beta)\cos^{3}(\beta)+2i\sin^{5}(\beta)\cos^{2}(\beta)-i\sin^{7}(\beta)\right)\left(e^{7i\gamma}\left(i\cos^{2}(\beta)\sin^{5}(\beta)\cos^{4}(\beta)+4\sin^{4}(\beta)\cos^{3}(\beta)+2i\sin^{5}(\beta)\cos^{2}(\beta)-i\sin^{7}(\beta)\right)\right)
 +e^{3i\gamma}\left(2i\sin(\beta)\cos^{6}(\beta)-5\sin^{2}(\beta)\cos^{5}(\beta)-14i\sin^{3}(\beta)\cos^{4}(\beta)+14\sin^{4}(\beta)\cos^{3}(\beta)+5i\sin^{5}(\beta)\cos^{2}(\beta)-2\sin^{6}(\beta)\cos(\beta)\right)
+e^{-5i\gamma}\left(i\sin(\beta)\cos^{6}(\beta)-2\sin^{2}(\beta)\cos^{5}(\beta)-4i\sin^{3}(\beta)\cos^{4}(\beta)+4\sin^{4}(\beta)\cos^{3}(\beta)+2i\sin^{5}(\beta)\cos^{2}(\beta)-\sin^{6}(\beta)\cos(\beta)\right)
 +e^{-i\gamma}\left(\cos^{7}(\beta)+4i\sin(\beta)\cos^{6}(\beta)-13\sin^{2}(\beta)\cos^{5}(\beta)-17i\sin^{3}(\beta)\cos^{4}(\beta)+17\sin^{4}(\beta)\cos^{3}(\beta)+13i\sin^{5}(\beta)\cos^{2}(\beta)-4\sin^{6}(\beta)\cos^{2}(\beta)+13i\sin^{5}(\beta)\cos^{2}(\beta)+13i\sin^{5}(\beta)\cos^{2}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)+13i\sin^{5}(\beta)+13i\sin^{5}(\beta)+13i\sin^{5}(\beta)+13i\sin^{5}(\beta)+13i\sin^{5}(\beta)+13i\sin^{5}(\beta)+13i\sin^{5}(\beta)+13i\sin^{5}(\beta)+13i\sin^{5}(\beta)+13i\sin^{5}(\beta)+13i\sin^{5}(\beta)+13i\sin^{5}(\beta
 +e^{-5i\gamma} \left( i\sin(\beta)\cos^{6}(\beta) - 2\sin^{2}(\beta)\cos^{5}(\beta) - 4i\sin^{3}(\beta)\cos^{4}(\beta) + 4\sin^{4}(\beta)\cos^{3}(\beta) + 2i\sin^{5}(\beta)\cos^{2}(\beta) - \sin^{6}(\beta)\cos(\beta) \right) \left( e^{7i\gamma} + e^{-5i\gamma} \left( i\sin(\beta)\cos^{6}(\beta) - 2\sin^{2}(\beta)\cos^{5}(\beta) - 4i\sin^{3}(\beta)\cos^{4}(\beta) + 4\sin^{4}(\beta)\cos^{3}(\beta) + 2i\sin^{5}(\beta)\cos^{2}(\beta) - \sin^{6}(\beta)\cos(\beta) \right) \right)
+e^{3i\gamma}\left(-6\sin^{2}(\beta)\cos^{5}(\beta)-15i\sin^{3}(\beta)\cos^{4}(\beta)+15\sin^{4}(\beta)\cos^{3}(\beta)+6i\sin^{5}(\beta)\cos^{2}(\beta)\right)+e^{-i\gamma}\left(5i\sin(\beta)\cos^{6}(\beta)-13\sin^{2}(\beta)\cos^{4}(\beta)+15\sin^{4}(\beta)\cos^{3}(\beta)+6i\sin^{5}(\beta)\cos^{2}(\beta)\right)+e^{-i\gamma}\left(5i\sin(\beta)\cos^{6}(\beta)-13\sin^{2}(\beta)\cos^{4}(\beta)+15\sin^{4}(\beta)\cos^{3}(\beta)+6i\sin^{5}(\beta)\cos^{2}(\beta)\right)+e^{-i\gamma}\left(5i\sin(\beta)\cos^{6}(\beta)-13\sin^{2}(\beta)\cos^{4}(\beta)+15\sin^{4}(\beta)\cos^{3}(\beta)+6i\sin^{5}(\beta)\cos^{2}(\beta)\right)+e^{-i\gamma}\left(5i\sin(\beta)\cos^{6}(\beta)-13\sin^{2}(\beta)\cos^{4}(\beta)+15\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{5}(\beta)\cos^{4}(\beta)\right)+e^{-i\gamma}\left(5i\sin(\beta)\cos^{6}(\beta)-13\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{5}(\beta)\cos^{4}(\beta)+6i\sin^{5}(\beta)\cos^{4}(\beta)\right)+e^{-i\gamma}\left(5i\sin(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)+6i\sin^{4}(\beta)+6i\sin^{4}(\beta)+6i\sin^{4}(\beta)+6i\sin^{4}(\beta)+6i\sin^{4}(\beta)+6i\sin^{4}(\beta)+6i\sin^{4}(\beta)+6i\sin^{4}(\beta)+6i\sin^{4}(\beta)+6i\sin^{4}(\beta)+6i\sin^{4}(\beta)+6i\sin^{4}(\beta)+6i\sin^{4}(\beta)+6i\sin^{4}(\beta)+6i\sin^{4}(\beta)+6i\sin^{4}(\beta)+6i\sin^{4}(\beta)+6i\sin^{4}
+e^{-5i\gamma}(\cos^7(\beta)+2i\sin(\beta)\cos^6(\beta)-2\sin^2(\beta)\cos^5(\beta)-2i\sin^3(\beta)\cos^4(\beta)+2\sin^4(\beta)\cos^3(\beta)+2i\sin^5(\beta)\cos^2(\beta)-2\sin^6(\beta)\cos^6(\beta)
 +e^{3i\gamma}\left(2i\sin(\beta)\cos^{6}(\beta)-5i\sin^{3}(\beta)\cos^{4}(\beta)+5\sin^{4}(\beta)\cos^{3}(\beta)-2\sin^{6}(\beta)\cos(\beta)\right)\left(e^{-5i\gamma}\left(-3\sin^{2}(\beta)\cos^{5}(\beta)-4i\sin^{3}(\beta)\cos^{4}(\beta)+5\sin^{4}(\beta)\cos^{3}(\beta)-2\sin^{6}(\beta)\cos(\beta)\right)\right)
+e^{-i\gamma}\left(4i\sin(\beta)\cos^{6}(\beta)-9\sin^{2}(\beta)\cos^{5}(\beta)-22i\sin^{3}(\beta)\cos^{4}(\beta)+22\sin^{4}(\beta)\cos^{3}(\beta)+9i\sin^{5}(\beta)\cos^{2}(\beta)-4\sin^{6}(\beta)\cos(\beta)\right)
+e^{7i\gamma}(i\cos^{6}(\beta)\sin(\beta)-\cos(\beta)\sin^{6}(\beta))+e^{3i\gamma}(\cos^{7}(\beta)+2i\sin(\beta)\cos^{6}(\beta)-9\sin^{2}(\beta)\cos^{5}(\beta)-9i\sin^{3}(\beta)\cos^{4}(\beta)+9\sin^{4}(\beta)\cos^{6}(\beta)\sin^{6}(\beta)\cos^{6}(\beta)\sin^{6}(\beta)\cos^{6}(\beta)\sin^{6}(\beta)\cos^{6}(\beta)\sin^{6}(\beta)\cos^{6}(\beta)\sin^{6}(\beta)\cos^{6}(\beta)\sin^{6}(\beta)\cos^{6}(\beta)\sin^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\sin^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\sin^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\sin^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\sin^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos
 +e^{-i\gamma}\left(-4\sin^2(\beta)\cos^5(\beta)-3i\sin^3(\beta)\cos^4(\beta)+3\sin^4(\beta)\cos^3(\beta)+4i\sin^5(\beta)\cos^2(\beta)\right)\left(e^{7i\gamma}\left(i\cos^2(\beta)\sin^5(\beta)-\cos^5(\beta)\sin^2(\beta)\cos^2(\beta)\right)\right)
+e^{3i\gamma}(3i\sin(\beta)\cos^6(\beta)-6\sin^2(\beta)\cos^5(\beta)-12i\sin^3(\beta)\cos^4(\beta)+12\sin^4(\beta)\cos^3(\beta)+6i\sin^5(\beta)\cos^2(\beta)-3\sin^6(\beta)\cos(\beta))
 +e^{-5i\gamma}\left(2i\sin(\beta)\cos^{6}(\beta)-3\sin^{2}(\beta)\cos^{5}(\beta)-2i\sin^{3}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{3}(\beta)+3i\sin^{5}(\beta)\cos^{2}(\beta)-2\sin^{6}(\beta)\cos(\beta)\right)
 +e^{-i\gamma}\left(\cos^{7}(\beta)+2i\sin(\beta)\cos^{6}(\beta)-11\sin^{2}(\beta)\cos^{5}(\beta)-21i\sin^{3}(\beta)\cos^{4}(\beta)+21\sin^{4}(\beta)\cos^{3}(\beta)+11i\sin^{5}(\beta)\cos^{2}(\beta)-2\sin^{6}(\beta)\cos^{2}(\beta)+2i\sin^{4}(\beta)\cos^{2}(\beta)+2i\sin^{4}(\beta)\cos^{2}(\beta)+2i\sin^{4}(\beta)\cos^{2}(\beta)+2i\sin^{4}(\beta)\cos^{2}(\beta)+2i\sin^{4}(\beta)\cos^{2}(\beta)+2i\sin^{4}(\beta)\cos^{2}(\beta)+2i\sin^{4}(\beta)\cos^{2}(\beta)+2i\sin^{4}(\beta)\cos^{2}(\beta)+2i\sin^{4}(\beta)\cos^{2}(\beta)+2i\sin^{4}(\beta)\cos^{2}(\beta)+2i\sin^{4}(\beta)\cos^{2}(\beta)+2i\sin^{4}(\beta)\cos^{2}(\beta)+2i\sin^{4}(\beta)\cos^{2}(\beta)+2i\sin^{4}(\beta)\cos^{2}(\beta)+2i\sin^{4}(\beta)\cos^{2}(\beta)+2i\sin^{4}(\beta)\cos^{2}(\beta)+2i\sin^{4}(\beta)\cos^{2}(\beta)+2i\sin^{4}(\beta)\cos^{2}(\beta)+2i\sin^{4}(\beta)\cos^{2}(\beta)+2i\sin^{4}(\beta)\cos^{2}(\beta)+2i\sin^{4}(\beta)\cos^{2}(\beta)+2i\sin^{4}(\beta)\cos^{2}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)+2i\sin^{4}(\beta)+2i\sin^{4}(\beta)+2i\sin^{4}(\beta)+2i\sin^{4}(\beta)+2i\sin^{4}(\beta)+2i\sin^{
    (e^{-7i\gamma}(-\sin^2(\beta)\cos^5(\beta)-i\sin^5(\beta)\cos^2(\beta))(e^{5i\gamma}(7i\sin^3(\beta)\cos^4(\beta)+7\sin^4(\beta)\cos^3(\beta))+e^{i\gamma}(-14\sin^2(\beta)\cos^5(\beta)+21i\sin^2(\beta)\cos^2(\beta))
 +e^{-3i\gamma}\left(-7i\sin(\beta)\cos^{6}(\beta)-7\sin^{2}(\beta)\cos^{5}(\beta)+7i\sin^{3}(\beta)\cos^{4}(\beta)+7\sin^{4}(\beta)\cos^{3}(\beta)-7i\sin^{5}(\beta)\cos^{2}(\beta)-7\sin^{6}(\beta)\cos(\beta)\right)
 +e^{-7i\gamma}\left(\cos^{7}(\beta)+i\sin^{7}(\beta)\right)+e^{i\gamma}\left(-2i\sin(\beta)\cos^{6}(\beta)-3\sin^{2}(\beta)\cos^{5}(\beta)+2i\sin^{3}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{3}(\beta)\right)
 -3i\sin^{5}(\beta)\cos^{2}(\beta)-2\sin^{6}(\beta)\cos(\beta))\left(e^{-7i\gamma}\left(i\sin^{3}(\beta)\cos^{4}(\beta)+\sin^{4}(\beta)\cos^{3}(\beta)\right)+e^{5i\gamma}\left(-2\sin^{2}(\beta)\cos^{5}(\beta)+5i\sin^{3}(\beta)\cos^{4}(\beta)+\sin^{4}(\beta)\cos^{3}(\beta)\right)+e^{5i\gamma}\left(-2\sin^{2}(\beta)\cos^{5}(\beta)+\sin^{4}(\beta)\cos^{4}(\beta)+\sin^{4}(\beta)\cos^{4}(\beta)+\sin^{4}(\beta)\cos^{4}(\beta)+\sin^{4}(\beta)\cos^{4}(\beta)+\sin^{4}(\beta)\cos^{4}(\beta)+\sin^{4}(\beta)\cos^{4}(\beta)+\sin^{4}(\beta)\cos^{4}(\beta)+\sin^{4}(\beta)\cos^{4}(\beta)+\sin^{4}(\beta)\cos^{4}(\beta)+\sin^{4}(\beta)\cos^{4}(\beta)+\sin^{4}(\beta)\cos^{4}(\beta)+\sin^{4}(\beta)\cos^{4}(\beta)+\sin^{4}(\beta)\cos^{4}(\beta)+\sin^{4}(\beta)\cos^{4}(\beta)+\sin^{4}(\beta)\cos^{4}(\beta)+\sin^{4}(\beta)\cos^{4}(\beta)+\sin^{4}(\beta)\cos^{4}(\beta)+\sin^{4}(\beta)\cos^{4}(\beta)+\sin^{4}(\beta)\cos^{4}(\beta)+\sin^{4}(\beta)\cos^{4}(\beta)+\sin^{4}(\beta)\cos^{4}(\beta)+\sin^{4}(\beta)\cos^{4}(\beta)+\sin^{4}(\beta)\cos^{4}(\beta)+\sin^{4}(\beta)\cos^{4}(\beta)+\sin^{4}(\beta)\cos^{4}(\beta)+\sin^{4}(\beta)\cos^{4}(\beta)+\sin^{4}(\beta)\cos^{4}(\beta)+\sin^{4}(\beta)\cos^{4}(\beta)+\sin^{4}(\beta)\cos^{4}(\beta)+\sin^{4}(\beta)\cos^{4}(\beta)+\sin^{4}(\beta)\cos^{4}(\beta)+\sin^{4}(\beta)\cos^{4}(\beta)+\sin^{4}(\beta)\cos^{4}(\beta)+\sin^{4}(\beta)\cos^{4}(\beta)+\sin^{4}(\beta)\cos^{4}(\beta)+\sin^{4}(\beta)\cos^{4}(\beta)+\sin^{4}(\beta)\cos^{4}(\beta)+\sin^{4}(\beta)\cos^{4}(\beta)+\sin^{4}(\beta)\cos^{4}(\beta)+\sin^{4}(\beta)\cos^{4}(\beta)+\sin^{4}(\beta)\cos^{4}(\beta)+\sin^{4}(\beta)\cos^{4}(\beta)+\sin^{4}(\beta)\cos^{4}(\beta)+\sin^{4}(\beta)\cos^{4}(\beta)+\sin^{4}(\beta)\cos^{4}(\beta)+\sin^{4}(\beta)\cos^{4}(\beta)+\sin^{4}(\beta)\cos^{4}(\beta)+\sin^{4}(\beta)\cos^{4}(\beta)+\sin^{4}(\beta)\cos^{4}(\beta)+\sin^{4}(\beta)\cos^{4}(\beta)+\sin^{4}(\beta)\cos^{4}(\beta)+\sin^{4}(\beta)\cos^{4}(\beta)+\sin^{4}(\beta)\cos^{4}(\beta)+\sin^{4}(\beta)\cos^{4}(\beta)+\sin^{4}(\beta)\cos^{4}(\beta)+\sin^{4}(\beta)\cos^{4}(\beta)+\sin^{4}(\beta)\cos^{4}(\beta)+\sin^{4}(\beta)\cos^{4}(\beta)+\sin^{4}(\beta)\cos^{4}(\beta)+\sin^{4}(\beta)\cos^{4}(\beta)+\sin^{4}(\beta)\cos^{4}(\beta)+\sin^{4}(\beta)\cos^{4}(\beta)+\sin^{4}(\beta)\cos^{4}(\beta)+\sin^{4}(\beta)\cos^{4}(\beta)+\sin^{4}(\beta)\cos^{4}(\beta)+\sin^{4}(\beta)\cos^{4}(\beta)+\sin^{4}(\beta)\cos^{4}(\beta)+\sin^{4}(\beta)\cos^{4}(\beta)+\sin^{4}(\beta)\cos^{4}(\beta)+\sin^{4}(\beta)\cos^{4}(\beta)+\sin^{4}(\beta)\cos^{4}(\beta)+\sin^{4}(\beta)\cos^{4}(\beta)+\sin^{4}(\beta)\cos^{4}(\beta)+\sin^{4}(\beta)\cos^{4}(\beta)+\sin^{4}(\beta)\cos^{4}(\beta)+\sin^{4}(\beta)\cos^{4}(\beta)+\sin^{4}(\beta)\cos^{4}(\beta)+\sin^{4}(\beta)\cos^{4}(\beta)+\sin^{4}(\beta)\cos^{4}(\beta)+\sin^{4}(\beta)\cos^{4}(\beta)+\sin^{4}(\beta)\cos^{4}(\beta)+\sin^{4}(\beta)\cos^{4}(\beta)+\sin^{4}(\beta)\cos^{4}(\beta)+\sin^{4}(\beta)\cos^{4}(\beta)+\sin^{4}(\beta)\cos^{4}(\beta)+\sin^{4}(\beta)\cos^{4}(\beta)+\sin^{4}(\beta)\cos^{4}(\beta)+\sin^{4}(\beta)\cos^{4}(\beta)+\sin^{4}(\beta)\cos^{4}(\beta)+\sin^{4}(\beta)\cos^{4}(\beta)+\sin^{4}(\beta)\cos^{4}(\beta)+\sin^{4}(\beta)\cos^{4}(\beta)+\sin^{4}(\beta)\cos^{4}(\beta)+\sin^{4}(\beta)\cos^{4}(\beta)+\sin^{4}(\beta)\cos^{4}(\beta)+\sin^{4}(\beta)\cos^{4}(\beta)+\sin^{4}(\beta)\cos^{4}(\beta)+\sin^{4}(\beta)\cos^{4}(\beta)+\sin^{4}(\beta)\cos^{4}(\beta)+\sin^{4}(\beta)\cos^{4}(\beta)+\sin^{4}(\beta)\cos^{4}(\beta)+\sin^{4}(\beta)\cos^{4}(\beta)+\sin^{4}(\beta)\cos^{4}(\beta)+\sin^{4}(\beta)\cos^{4}(\beta)+\sin^{4}(\beta)\cos^{4}(\beta)+\sin^{4}(\beta)\cos^{4}(\beta)+\sin^{4}(\beta)\cos^{4}(\beta)+\sin^{4}(\beta)\cos^{4}(\beta)+\sin^{4}(\beta)\cos^{4}(\beta)+\sin^{4}(\beta)\cos^{4}(
 +e^{-3i\gamma}\left(-i\sin(\beta)\cos^{6}(\beta)-7\sin^{2}(\beta)\cos^{5}(\beta)+13i\sin^{3}(\beta)\cos^{4}(\beta)+13\sin^{4}(\beta)\cos^{3}(\beta)-7i\sin^{5}(\beta)\cos^{2}(\beta)-\sin^{6}(\beta)\cos(\beta)\right)
+e^{i\gamma}\left(\cos^{7}(\beta)-6i\sin(\beta)\cos^{6}(\beta)-12\sin^{2}(\beta)\cos^{5}(\beta)+16i\sin^{3}(\beta)\cos^{4}(\beta)+16\sin^{4}(\beta)\cos^{3}(\beta)-12i\sin^{5}(\beta)\cos^{2}(\beta)-6\sin^{6}(\beta)\cos^{6}(\beta)\right)
 +e^{-3i\gamma}\left(-4\sin^2(\beta)\cos^5(\beta)+3i\sin^3(\beta)\cos^4(\beta)+3\sin^4(\beta)\cos^3(\beta)-4i\sin^5(\beta)\cos^2(\beta)\right)\left(e^{-7i\gamma}\left(-\sin^2(\beta)\cos^5(\beta)-i\sin^5(\beta)\cos^5(\beta)+3i\sin^5(\beta)\cos^5(\beta)+3i\sin^5(\beta)\cos^5(\beta)+3i\sin^5(\beta)\cos^5(\beta)+3i\sin^5(\beta)\cos^5(\beta)+3i\sin^5(\beta)\cos^5(\beta)+3i\sin^5(\beta)\cos^5(\beta)+3i\sin^5(\beta)\cos^5(\beta)+3i\sin^5(\beta)\cos^5(\beta)+3i\sin^5(\beta)\cos^5(\beta)+3i\sin^5(\beta)\cos^5(\beta)+3i\sin^5(\beta)\cos^5(\beta)+3i\sin^5(\beta)\cos^5(\beta)+3i\sin^5(\beta)\cos^5(\beta)+3i\sin^5(\beta)\cos^5(\beta)+3i\sin^5(\beta)\cos^5(\beta)+3i\sin^5(\beta)\cos^5(\beta)+3i\sin^5(\beta)\cos^5(\beta)+3i\sin^5(\beta)\cos^5(\beta)+3i\sin^5(\beta)\cos^5(\beta)+3i\sin^5(\beta)\cos^5(\beta)+3i\sin^5(\beta)\cos^5(\beta)+3i\sin^5(\beta)\cos^5(\beta)+3i\sin^5(\beta)\cos^5(\beta)+3i\sin^5(\beta)\cos^5(\beta)+3i\sin^5(\beta)\cos^5(\beta)+3i\sin^5(\beta)\cos^5(\beta)+3i\sin^5(\beta)\cos^5(\beta)+3i\sin^5(\beta)\cos^5(\beta)+3i\sin^5(\beta)\cos^5(\beta)+3i\sin^5(\beta)\cos^5(\beta)+3i\sin^5(\beta)\cos^5(\beta)+3i\sin^5(\beta)\cos^5(\beta)+3i\sin^5(\beta)\cos^5(\beta)+3i\sin^5(\beta)\cos^5(\beta)+3i\sin^5(\beta)\cos^5(\beta)+3i\sin^5(\beta)\cos^5(\beta)+3i\sin^5(\beta)\cos^5(\beta)+3i\sin^5(\beta)\cos^5(\beta)+3i\sin^5(\beta)\cos^5(\beta)+3i\sin^5(\beta)\cos^5(\beta)+3i\sin^5(\beta)\cos^5(\beta)+3i\sin^5(\beta)\cos^5(\beta)+3i\sin^5(\beta)\cos^5(\beta)+3i\sin^5(\beta)\cos^5(\beta)+3i\sin^5(\beta)\cos^5(\beta)+3i\sin^5(\beta)\cos^5(\beta)+3i\sin^5(\beta)\cos^5(\beta)+3i\sin^5(\beta)\cos^5(\beta)+3i\sin^5(\beta)\cos^5(\beta)+3i\sin^5(\beta)\cos^5(\beta)+3i\sin^5(\beta)\cos^5(\beta)+3i\sin^5(\beta)\cos^5(\beta)+3i\sin^5(\beta)\cos^5(\beta)+3i\sin^5(\beta)\cos^5(\beta)+3i\sin^5(\beta)\cos^5(\beta)+3i\sin^5(\beta)\cos^5(\beta)+3i\sin^5(\beta)\cos^5(\beta)+3i\sin^5(\beta)\cos^5(\beta)+3i\sin^5(\beta)\cos^5(\beta)+3i\sin^5(\beta)\cos^5(\beta)+3i\sin^5(\beta)\cos^5(\beta)+3i\sin^5(\beta)\cos^5(\beta)+3i\sin^5(\beta)\cos^5(\beta)+3i\sin^5(\beta)\cos^5(\beta)+3i\sin^5(\beta)\cos^5(\beta)+3i\sin^5(\beta)\cos^5(\beta)+3i\sin^5(\beta)\cos^5(\beta)+3i\sin^5(\beta)\cos^5(\beta)+3i\sin^5(\beta)\cos^5(\beta)+3i\sin^5(\beta)\cos^5(\beta)+3i\sin^5(\beta)\cos^5(\beta)+3i\sin^5(\beta)\cos^5(\beta)+3i\sin^5(\beta)\cos^5(\beta)+3i\sin^5(\beta)\cos^5(\beta)+3i\sin^5(\beta)\cos^5(\beta)+3i\sin^5(\beta)\cos^5(\beta)+3i\sin^5(\beta)\cos^5(\beta)+3i\sin^5(\beta)\cos^5(\beta)+3i\sin^5(\beta)\cos^5(\beta)+3i\sin^5(\beta)\cos^5(\beta)+3i\sin^5(\beta)\cos^2(\beta)+3i\sin^5(\beta)\cos^2(\beta)+3i\sin^5(\beta)\cos^2(\beta)+3i\sin^5(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^
+e^{5i\gamma}\left(-\sin^{2}(\beta)\cos^{5}(\beta)+6i\sin^{3}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{3}(\beta)-i\sin^{5}(\beta)\cos^{2}(\beta)\right)+e^{i\gamma}\left(-3i\sin(\beta)\cos^{6}(\beta)-14\sin^{2}(\beta)\cos^{5}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{3}(\beta)+6i\sin^{4}(\beta)\cos^{5}(\beta)+6i\sin^{4}(\beta)\cos^{5}(\beta)+6i\sin^{4}(\beta)\cos^{5}(\beta)+6i\sin^{4}(\beta)\cos^{5}(\beta)+6i\sin^{4}(\beta)\cos^{5}(\beta)+6i\sin^{4}(\beta)\cos^{5}(\beta)+6i\sin^{5}(\beta)\cos^{5}(\beta)+6i\sin^{5}(\beta)\cos^{5}(\beta)+6i\sin^{5}(\beta)\cos^{5}(\beta)+6i\sin^{5}(\beta)\cos^{5}(\beta)+6i\sin^{5}(\beta)\cos^{5}(\beta)+6i\sin^{5}(\beta)\cos^{5}(\beta)+6i\sin^{5}(\beta)\cos^{5}(\beta)+6i\sin^{5}(\beta)\cos^{5}(\beta)+6i\sin^{5}(\beta)\cos^{5}(\beta)+6i\sin^{5}(\beta)\cos^{5}(\beta)+6i\sin^{5}(\beta)\cos^{5}(\beta)+6i\sin^{5}(\beta)\cos^{5}(\beta)+6i\sin^{5}(\beta)\cos^{5}(\beta)+6i\sin^{5}(\beta)\cos^{5}(\beta)+6i\sin^{5}(\beta)\cos^{5}(\beta)+6i\sin^{5}(\beta)\cos^{5}(\beta)+6i\sin^{5}(\beta)\cos^{5}(\beta)+6i\sin^{5}(\beta)\cos^{5}(\beta)+6i\sin^{5}(\beta)\cos^{5}(\beta)+6i\sin^{5}(\beta)\cos^{5}(\beta)+6i\sin^{5}(\beta)\cos^{5}(\beta)+6i\sin^{5}(\beta)\cos^{5}(\beta)+6i\sin^{5}(\beta)\cos^{5}(\beta)+6i\sin^{5}(\beta)\cos^{5}(\beta)+6i\sin^{5}(\beta)\cos^{5}(\beta)+6i\sin^{5}(\beta)\cos^{5}(\beta)+6i\sin^{5}(\beta)\cos^{5}(\beta)+6i\sin^{5}(\beta)\cos^{5}(\beta)+6i\sin^{5}(\beta)\cos^{5}(\beta)+6i\sin^{5}(\beta)\cos^{5}(\beta)+6i\sin^{5}(\beta)\cos^{5}(\beta)+6i\sin^{5}(\beta)\cos^{5}(\beta)+6i\sin^{5}(\beta)\cos^{5}(\beta)+6i\sin^{5}(\beta)\cos^{5}(\beta)+6i\sin^{5}(\beta)\cos^{5}(\beta)+6i\sin^{5}(\beta)\cos^{5}(\beta)+6i\sin^{5}(\beta)\cos^{5}(\beta)+6i\sin^{5}(\beta)\cos^{5}(\beta)+6i\sin^{5}(\beta)\cos^{5}(\beta)+6i\sin^{5}(\beta)\cos^{5}(\beta)+6i\sin^{5}(\beta)\cos^{5}(\beta)+6i\sin^{5}(\beta)\cos^{5}(\beta)+6i\sin^{5}(\beta)\sin^{5}(\beta)\cos^{5}(\beta)+6i\sin^{5}(\beta)\cos^{5}(\beta)+6i\sin^{5}(\beta)\cos^{5}(\beta)+6i\sin^{5}(\beta)\cos^{5}(\beta)+6i\sin^{5}(\beta)\cos^{5}(\beta)+6i\sin^{5}(\beta)\cos^{5}(\beta)+6i\sin^{5}(\beta)\cos^{5}(\beta)+6i\sin^{5}(\beta)\cos^{5}(\beta)+6i\sin^{5}(\beta)\cos^{5}(\beta)+6i\sin^{5}(\beta)\cos^{5}(\beta)+6i\sin^{5}(\beta)\cos^{5}(\beta)+6i\sin^{5}(\beta)\cos^{5}(\beta)+6i\sin^{5}(\beta)\cos^{5}(\beta)+6i\sin^{5}(\beta)\cos^{5}(\beta)+6i\sin^{5}(\beta)\cos^{5}(\beta)+6i\sin^{5}(\beta)\cos^{5}(\beta)+6i\sin^{5}(\beta)\cos^{5}(\beta)+6i\sin^{5}(\beta)\cos^{5}(\beta)+6i\sin^{5}(\beta)\cos^{5}(\beta)+6i\sin^{5}(\beta)\cos^{5}(\beta)+6i\sin^{5}(\beta)\cos^{5}(\beta)+6i\sin^{5}(\beta)\cos^{5}(\beta)+6i\sin^{5}(\beta)\cos^{5}(\beta)+6i\sin^{5}(\beta)\cos^{5}(\beta)+6i\sin^{5}(\beta)\cos^{5}(\beta)+6i\sin^{5}(\beta)\cos^{5}(\beta)+6i\sin^{5}(\beta)\cos^{5}(\beta)+6i\sin^{5}(\beta)\cos^{5}(\beta)+6i\sin^{5}(\beta)\cos^{5}(\beta)+6i\sin^{5}(\beta)\cos^{5}(\beta)+6i\sin^{5}(\beta)\cos^{5}(\beta)+6i\sin^{5}(\beta)\cos^{5}(\beta)+6i\sin^{5}(\beta)\cos^{5}(\beta)+6i\sin^{5}(\beta)\cos^{5}(\beta)+6i\sin^{5}(\beta)\cos^{5}(\beta)+6i\sin^{5}(\beta)\cos^{5}(\beta)+6i\sin^{5}(\beta)\cos^{5}(\beta)+6i\sin^{5}(\beta)\cos^{5}(\beta)+6i\sin^{5}(\beta)\cos^{5}(\beta)+6i\sin^{5}(\beta)\cos^{5}(\beta)+6i\sin^{5}(\beta)+6i\sin^{5}(\beta)+6i\sin^{5}(\beta)+6i\sin^{5}(\beta)+6i\sin^{5}(\beta)+6i\sin^{5}(\beta)+6i\sin^{5}(\beta)+6i\sin^{5}(\beta)+6i\sin^{5}(\beta)+6i\sin^{5}(\beta)+6i\sin^{5}(\beta)+6i\sin^{5}(\beta)+6i\sin^{5}(\beta)+6i\sin^{5}(\beta)+6i\sin^{5}(\beta)+6i\sin^{5}(\beta)+6i\sin^{5}(\beta)+6i\sin^{5}(\beta)+
+e^{-3i\gamma}\left(\cos^{7}(\beta)-4i\sin(\beta)\cos^{6}(\beta)-5\sin^{2}(\beta)\cos^{5}(\beta)+11i\sin^{3}(\beta)\cos^{4}(\beta)+11\sin^{4}(\beta)\cos^{3}(\beta)-5i\sin^{5}(\beta)\cos^{2}(\beta)-4\sin^{6}(\beta)\cos^{6}(\beta)\right)
+e^{-3i\gamma}\left(-\sin^2(\beta)\cos^5(\beta)+6i\sin^3(\beta)\cos^4(\beta)+6\sin^4(\beta)\cos^3(\beta)-i\sin^5(\beta)\cos^2(\beta)\right)\left(e^{-7i\gamma}\left(i\sin^3(\beta)\cos^4(\beta)+\sin^4(\beta)\cos^3(\beta)+6i\sin^4(\beta)\cos^3(\beta)+6i\sin^4(\beta)\cos^3(\beta)+6i\sin^4(\beta)\cos^3(\beta)+6i\sin^4(\beta)\cos^3(\beta)+6i\sin^4(\beta)\cos^3(\beta)+6i\sin^4(\beta)\cos^3(\beta)+6i\sin^4(\beta)\cos^4(\beta)+6i\sin^4(\beta)\cos^3(\beta)+6i\sin^4(\beta)\cos^2(\beta)\right)
 +e^{5i\gamma}\left(-2\sin^2(\beta)\cos^5(\beta)+5i\sin^3(\beta)\cos^4(\beta)+5\sin^4(\beta)\cos^3(\beta)-2i\sin^5(\beta)\cos^2(\beta)\right)+e^{i\gamma}\left(-3i\sin(\beta)\cos^6(\beta)-11\sin^2(\beta)\cos^2(\beta)\cos^2(\beta)+2i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)
+e^{-3i\gamma}\left(\cos^{7}(\beta)-4i\sin(\beta)\cos^{6}(\beta)-8\sin^{2}(\beta)\cos^{5}(\beta)+8i\sin^{3}(\beta)\cos^{4}(\beta)+8\sin^{4}(\beta)\cos^{3}(\beta)-8i\sin^{5}(\beta)\cos^{2}(\beta)-4\sin^{6}(\beta)\cos^{5}(\beta)+8i\sin^{3}(\beta)\cos^{4}(\beta)+8\sin^{4}(\beta)\cos^{3}(\beta)-8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{4}(\beta)\cos^{5}(\beta)+8i\sin^{4}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)+8i\sin^{5}(\beta)+8i\sin^{5}(\beta)+8i\sin^{5}(\beta)+8i\sin^{5}(\beta)+8i\sin^{5}(\beta)+8i\sin^{5}(\beta)+8i\sin^{5}(\beta)+8i\sin^{5}(\beta)+8i\sin^{5}(\beta)+8i\sin^{5}(\beta)+8i\sin^{5}(\beta)+8i\sin^{5}(\beta)+8i\sin^{5}(
+e^{i\gamma}\left(-2i\sin(\beta)\cos^{6}(\beta)-4\sin^{2}(\beta)\cos^{5}(\beta)+8i\sin^{3}(\beta)\cos^{4}(\beta)+8\sin^{4}(\beta)\cos^{3}(\beta)-4i\sin^{5}(\beta)\cos^{2}(\beta)-2\sin^{6}(\beta)\cos(\beta)\right)\left(e^{-i\beta}\cos^{4}(\beta)\cos^{2}(\beta)+8i\sin^{3}(\beta)\cos^{4}(\beta)+8\sin^{4}(\beta)\cos^{3}(\beta)-4\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{4}(\beta)\cos^{4}(\beta)+8\sin^{4}(\beta)\cos^{3}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{4}(\beta)\cos^{5}(\beta)+8i\sin^{4}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\sin^{5}(\beta)+8i\sin^{5}(\beta)\sin^{5}(\beta)+8i\sin^{5}(\beta)\sin^{5}(\beta)+8i\sin^{5}(\beta)+8i\sin^{5}(\beta)+8i\sin^{5}(\beta)+8i\sin^{5}(\beta)+8i\sin^{5}(\beta)+8i\sin^{5}(\beta)+8i\sin^{5}(\beta)+8i\sin^{5}(\beta)+8i\sin^{5}(\beta)+8i\sin^{5}(\beta)+8i\sin^{5}(\beta)+8i\sin^{5}(\beta)+8i\sin^{5}(
 +e^{-3i\gamma}\left(-2i\sin(\beta)\cos^{6}(\beta)-8\sin^{2}(\beta)\cos^{5}(\beta)+11i\sin^{3}(\beta)\cos^{4}(\beta)+11\sin^{4}(\beta)\cos^{3}(\beta)-8i\sin^{5}(\beta)\cos^{2}(\beta)-2\sin^{6}(\beta)\cos(\beta)\right)
 +e^{5i\gamma}\left(-i\sin(\beta)\cos^{6}(\beta)-3\sin^{2}(\beta)\cos^{5}(\beta)+3i\sin^{3}(\beta)\cos^{2}(\beta)+3\sin^{4}(\beta)\cos^{3}(\beta)-3i\sin^{5}(\beta)\cos^{2}(\beta)-\sin^{6}(\beta)\cos(\beta)\right)
 +e^{i\gamma}\left(\cos^{7}(\beta)-4i\sin(\beta)\cos^{6}(\beta)-10\sin^{2}(\beta)\cos^{5}(\beta)+20i\sin^{3}(\beta)\cos^{4}(\beta)+20\sin^{4}(\beta)\cos^{3}(\beta)-10i\sin^{5}(\beta)\cos^{2}(\beta)-4\sin^{6}(\beta)\cos^{6}(\beta)\right)
+e^{i\gamma}\left(\cos^{7}(\beta)-2\sin^{2}(\beta)\cos^{5}(\beta)+4i\sin^{3}(\beta)\cos^{4}(\beta)+4\sin^{4}(\beta)\cos^{3}(\beta)-2i\sin^{5}(\beta)\cos^{2}(\beta)+i\sin^{7}(\beta)\right)\left(e^{-7i\gamma}\left(-\sin^{2}(\beta)\cos^{4}(\beta)+4\sin^{4}(\beta)\cos^{3}(\beta)-2\sin^{5}(\beta)\cos^{2}(\beta)+i\sin^{7}(\beta)\right)\right)
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(e^{7i\gamma}(\cos^3(\beta)\sin^4(\beta) - i\cos^4(\beta)\sin^3(\beta))(e^{-5i\gamma}(7\cos^3(\beta)\sin^4(\beta) - 7i\cos^4(\beta)\sin^3(\beta)))
 +e^{-i\gamma}\left(-14\sin^2(\beta)\cos^5(\beta)-21i\sin^3(\beta)\cos^4(\beta)+21\sin^4(\beta)\cos^3(\beta)+14i\sin^5(\beta)\cos^2(\beta)\right)
+e^{3i\gamma}(7i\sin(\beta)\cos^6(\beta)-7\sin^2(\beta)\cos^5(\beta)-7i\sin^3(\beta)\cos^4(\beta)+7\sin^4(\beta)\cos^3(\beta)+7i\sin^5(\beta)\cos^2(\beta)-7\sin^6(\beta)\cos(\beta))
 +e^{7i\gamma}\left(\cos^{7}(\beta)-i\sin^{7}(\beta)\right)+e^{-i\gamma}\left(i\sin(\beta)\cos^{6}(\beta)-3\sin^{2}(\beta)\cos^{5}(\beta)-3i\sin^{3}(\beta)\cos^{4}(\beta)\right)
 +3\sin^{4}(\beta)\cos^{3}(\beta) + 3i\sin^{5}(\beta)\cos^{2}(\beta) - \sin^{6}(\beta)\cos(\beta))(e^{7i\gamma}(\cos^{3}(\beta)\sin^{4}(\beta) - i\cos^{4}(\beta)\sin^{3}(\beta)))
 +e^{-5i\gamma}\left(-2\sin^2(\beta)\cos^5(\beta)-5i\sin^3(\beta)\cos^4(\beta)+5\sin^4(\beta)\cos^3(\beta)+2i\sin^5(\beta)\cos^2(\beta)\right)
 +e^{3i\gamma}\left(i\sin(\beta)\cos^{6}(\beta)-7\sin^{2}(\beta)\cos^{5}(\beta)-13i\sin^{3}(\beta)\cos^{4}(\beta)+13\sin^{4}(\beta)\cos^{3}(\beta)+7i\sin^{5}(\beta)\cos^{2}(\beta)-\sin^{6}(\beta)\cos(\beta)\right)
+e^{-i\gamma}\left(\cos^{7}(\beta)+6i\sin(\beta)\cos^{6}(\beta)-12\sin^{2}(\beta)\cos^{5}(\beta)-16i\sin^{3}(\beta)\cos^{4}(\beta)+16\sin^{4}(\beta)\cos^{3}(\beta)+12i\sin^{5}(\beta)\cos^{2}(\beta)-6\sin^{6}(\beta)\cos^{2}(\beta)+16i\sin^{4}(\beta)\cos^{2}(\beta)+16i\sin^{4}(\beta)\cos^{2}(\beta)+16i\sin^{4}(\beta)\cos^{2}(\beta)+16i\sin^{4}(\beta)\cos^{2}(\beta)+16i\sin^{4}(\beta)\cos^{2}(\beta)+16i\sin^{4}(\beta)\cos^{2}(\beta)+16i\sin^{4}(\beta)\cos^{2}(\beta)+16i\sin^{4}(\beta)\cos^{2}(\beta)+16i\sin^{4}(\beta)\cos^{2}(\beta)+16i\sin^{4}(\beta)\cos^{2}(\beta)+16i\sin^{4}(\beta)\cos^{2}(\beta)+16i\sin^{4}(\beta)\cos^{2}(\beta)+16i\sin^{4}(\beta)\cos^{2}(\beta)+16i\sin^{4}(\beta)\cos^{2}(\beta)+16i\sin^{4}(\beta)\cos^{2}(\beta)+16i\sin^{4}(\beta)\cos^{2}(\beta)+16i\sin^{4}(\beta)\cos^{2}(\beta)+16i\sin^{4}(\beta)\cos^{2}(\beta)+16i\sin^{4}(\beta)\cos^{2}(\beta)+16i\sin^{4}(\beta)\cos^{2}(\beta)+16i\sin^{4}(\beta)\cos^{2}(\beta)+16i\sin^{4}(\beta)\cos^{2}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)+16i\sin^{4}(\beta)+16i\sin^{4}(\beta)+16i\sin^{4}(\beta)+16i\sin^{4}(\beta)+16i\sin^{4}(\beta)+16i\sin^{4}(\beta)+16i\sin^{4}(\beta)+16i\sin^{4}(\beta)+16i\sin^{4}(\beta)+16i\sin^{4}(\beta)+16
 +e^{3i\gamma}(i\sin(\beta)\cos^{6}(\beta)-2\sin^{2}(\beta)\cos^{5}(\beta)-4i\sin^{3}(\beta)\cos^{4}(\beta)+4\sin^{4}(\beta)\cos^{3}(\beta)
 +2i\sin^5(\beta)\cos^2(\beta)-\sin^6(\beta)\cos(\beta) \left(e^{7i\gamma}\left(i\cos^2(\beta)\sin^5(\beta)-\cos^5(\beta)\sin^2(\beta)\right)\right)
+e^{-5i\gamma}\left(-\sin^2(\beta)\cos^5(\beta)-6i\sin^3(\beta)\cos^4(\beta)+6\sin^4(\beta)\cos^3(\beta)+i\sin^5(\beta)\cos^2(\beta)\right)
 +e^{-i\gamma}\left(3i\sin(\beta)\cos^{6}(\beta)-14\sin^{2}(\beta)\cos^{5}(\beta)-18i\sin^{3}(\beta)\cos^{4}(\beta)+18\sin^{4}(\beta)\cos^{3}(\beta)+14i\sin^{5}(\beta)\cos^{2}(\beta)-3\sin^{6}(\beta)\cos(\beta)\right)
 +e^{3i\gamma}\left(\cos^{7}(\beta)+4i\sin(\beta)\cos^{6}(\beta)-5\sin^{2}(\beta)\cos^{5}(\beta)-11i\sin^{3}(\beta)\cos^{4}(\beta)+11\sin^{4}(\beta)\cos^{3}(\beta)+5i\sin^{5}(\beta)\cos^{2}(\beta)-4\sin^{6}(\beta)\cos^{6}(\beta)\right)
+e^{3i\gamma}(i\sin(\beta)\cos^{6}(\beta)-3\sin^{2}(\beta)\cos^{5}(\beta)-3i\sin^{3}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{3}(\beta)
+3i\sin^5(\beta)\cos^2(\beta) - \sin^6(\beta)\cos(\beta))\left(e^{7i\gamma}\left(\cos^3(\beta)\sin^4(\beta) - i\cos^4(\beta)\sin^3(\beta)\right)\right)
 +e^{-5i\gamma}\left(-2\sin^2(\beta)\cos^5(\beta)-5i\sin^3(\beta)\cos^4(\beta)+5\sin^4(\beta)\cos^3(\beta)+2i\sin^5(\beta)\cos^2(\beta)\right)
+e^{-i\gamma}(3i\sin(\beta)\cos^6(\beta)-11\sin^2(\beta)\cos^5(\beta)-21i\sin^3(\beta)\cos^4(\beta)+21\sin^4(\beta)\cos^3(\beta)+11i\sin^5(\beta)\cos^2(\beta)-3\sin^6(\beta)\cos(\beta)
+e^{3i\gamma}(\cos^7(\beta)+4i\sin(\beta)\cos^6(\beta)-8\sin^2(\beta)\cos^5(\beta)-8i\sin^3(\beta)\cos^4(\beta)+8\sin^4(\beta)\cos^3(\beta)+8i\sin^5(\beta)\cos^2(\beta)-4\sin^6(\beta)\cos^6(\beta)
 +e^{-i\gamma}\left(\cos^{7}(\beta)+i\sin(\beta)\cos^{6}(\beta)-3\sin^{2}(\beta)\cos^{5}(\beta)-9i\sin^{3}(\beta)\cos^{4}(\beta)+9\sin^{4}(\beta)\cos^{3}(\beta)+3i\sin^{5}(\beta)\cos^{2}(\beta)-\sin^{6}(\beta)\cos^{6}(\beta)\right)
 -i\sin^{7}(\beta)) \left(e^{7i\gamma}\left(\cos^{3}(\beta)\sin^{4}(\beta)-i\cos^{4}(\beta)\sin^{3}(\beta)\right)+e^{3i\gamma}\left(2i\sin(\beta)\cos^{6}(\beta)-8\sin^{2}(\beta)\cos^{5}(\beta)-11i\sin^{3}(\beta)\cos^{4}(\beta)+11\sin^{2}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\right)\right)
 +e^{-5i\gamma}\left(i\sin(\beta)\cos^{6}(\beta)-3\sin^{2}(\beta)\cos^{5}(\beta)-3i\sin^{3}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{3}(\beta)+3i\sin^{5}(\beta)\cos^{2}(\beta)-\sin^{6}(\beta)\cos(\beta)\right)
 +e^{-i\gamma}\left(\cos^{7}(\beta)+4i\sin(\beta)\cos^{6}(\beta)-10\sin^{2}(\beta)\cos^{5}(\beta)-20i\sin^{3}(\beta)\cos^{4}(\beta)+20\sin^{4}(\beta)\cos^{3}(\beta)+10i\sin^{5}(\beta)\cos^{2}(\beta)-4\sin^{6}(\beta)\cos^{6}(\beta)+20\sin^{4}(\beta)\cos^{6}(\beta)+10i\sin^{5}(\beta)\cos^{6}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\sin^{5}(\beta)+10i\sin^{5}(\beta)\sin^{5}(\beta)+10i\sin^{5}(\beta)\sin^{5}(\beta)+10i\sin^{5}(\beta)+10i\sin^{5}(\beta)+10i\sin^{5}(\beta)+10i\sin^{5}(\beta)+10i\sin^{5}(\beta)+10i\sin^{5}(\beta)+10i\sin^{5}(\beta)+10i\sin^{5}(\beta)+10i\sin^{5}(\beta)+10i\sin^{5}(\beta)+10i\sin^{5}(\beta)+10i
 +e^{-i\gamma}\left(i\sin(\beta)\cos^{6}(\beta)-2\sin^{2}(\beta)\cos^{5}(\beta)-4i\sin^{3}(\beta)\cos^{4}(\beta)+4\sin^{4}(\beta)\cos^{3}(\beta)+2i\sin^{5}(\beta)\cos^{2}(\beta)-\sin^{6}(\beta)\cos(\beta)\right)\left(e^{7i\gamma}\left(i\sin(\beta)\cos^{6}(\beta)-2\sin^{2}(\beta)\cos^{5}(\beta)-4i\sin^{3}(\beta)\cos^{4}(\beta)+4\sin^{4}(\beta)\cos^{3}(\beta)+2i\sin^{5}(\beta)\cos^{2}(\beta)-\sin^{6}(\beta)\cos(\beta)\right)\right)
 +e^{3i\gamma}\left(2i\sin(\beta)\cos^{6}(\beta)-5\sin^{2}(\beta)\cos^{5}(\beta)-14i\sin^{3}(\beta)\cos^{4}(\beta)+14\sin^{4}(\beta)\cos^{3}(\beta)+5i\sin^{5}(\beta)\cos^{2}(\beta)-2\sin^{6}(\beta)\cos(\beta)\right)
+e^{-5i\gamma}\left(i\sin(\beta)\cos^{6}(\beta)-2\sin^{2}(\beta)\cos^{5}(\beta)-4i\sin^{3}(\beta)\cos^{4}(\beta)+4\sin^{4}(\beta)\cos^{3}(\beta)+2i\sin^{5}(\beta)\cos^{2}(\beta)-\sin^{6}(\beta)\cos(\beta)\right)
 +e^{-i\gamma}\left(\cos^{7}(\beta)+4i\sin(\beta)\cos^{6}(\beta)-13\sin^{2}(\beta)\cos^{5}(\beta)-17i\sin^{3}(\beta)\cos^{4}(\beta)+17\sin^{4}(\beta)\cos^{3}(\beta)+13i\sin^{5}(\beta)\cos^{2}(\beta)-4\sin^{6}(\beta)\cos^{6}(\beta)\right)
 +e^{-5i\gamma} \left( i\sin(\beta)\cos^{6}(\beta) - 3\sin^{2}(\beta)\cos^{5}(\beta) - 3i\sin^{3}(\beta)\cos^{4}(\beta) + 3\sin^{4}(\beta)\cos^{3}(\beta) + 3i\sin^{5}(\beta)\cos^{2}(\beta) - \sin^{6}(\beta)\cos(\beta) \right) \left( e^{7i\gamma} + e^{-5i\gamma} \left( i\sin(\beta)\cos^{6}(\beta) - 3\sin^{2}(\beta)\cos^{5}(\beta) - 3i\sin^{3}(\beta)\cos^{4}(\beta) + 3\sin^{4}(\beta)\cos^{3}(\beta) + 3i\sin^{5}(\beta)\cos^{2}(\beta) - \sin^{6}(\beta)\cos(\beta) \right) \right)
+e^{3i\gamma}\left(-6\sin^2(\beta)\cos^5(\beta)-15i\sin^3(\beta)\cos^4(\beta)+15\sin^4(\beta)\cos^3(\beta)+6i\sin^5(\beta)\cos^2(\beta)\right)+e^{-i\gamma}\left(5i\sin(\beta)\cos^6(\beta)-13\sin^2(\beta)\cos^2(\beta)+6i\sin^2(\beta)\cos^2(\beta)\right)
+e^{-5i\gamma}(\cos^7(\beta)+2i\sin(\beta)\cos^6(\beta)-2\sin^2(\beta)\cos^5(\beta)-2i\sin^3(\beta)\cos^4(\beta)+2\sin^4(\beta)\cos^3(\beta)+2i\sin^5(\beta)\cos^2(\beta)-2\sin^6(\beta)\cos^6(\beta)
 +e^{3i\gamma}\left(-3\sin^2(\beta)\cos^5(\beta)-4i\sin^3(\beta)\cos^4(\beta)+4\sin^4(\beta)\cos^3(\beta)+3i\sin^5(\beta)\cos^2(\beta)\right)\left(e^{-5i\gamma}\left(-3\sin^2(\beta)\cos^5(\beta)-4i\sin^3(\beta)\cos^4(\beta)+4\sin^4(\beta)\cos^3(\beta)+3i\sin^5(\beta)\cos^2(\beta)\right)\right)
+e^{-i\gamma} \left(4 i \sin(\beta) \cos^6(\beta)-9 \sin^2(\beta) \cos^5(\beta)-22 i \sin^3(\beta) \cos^4(\beta)+22 \sin^4(\beta) \cos^3(\beta)+9 i \sin^5(\beta) \cos^2(\beta)-4 \sin^6(\beta) \cos(\beta)\right)
+e^{7i\gamma}(i\cos^{6}(\beta)\sin(\beta)-\cos(\beta)\sin^{6}(\beta))+e^{3i\gamma}(\cos^{7}(\beta)+2i\sin(\beta)\cos^{6}(\beta)-9\sin^{2}(\beta)\cos^{5}(\beta)-9i\sin^{3}(\beta)\cos^{4}(\beta)+9\sin^{4}(\beta)\cos^{6}(\beta)\sin^{6}(\beta)\cos^{6}(\beta)\sin^{6}(\beta)\cos^{6}(\beta)\sin^{6}(\beta)\cos^{6}(\beta)\sin^{6}(\beta)\cos^{6}(\beta)\sin^{6}(\beta)\cos^{6}(\beta)\sin^{6}(\beta)\cos^{6}(\beta)\sin^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\sin^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos
 +e^{-i\gamma}\left(i\sin(\beta)\cos^{6}(\beta)-2\sin^{2}(\beta)\cos^{5}(\beta)-4i\sin^{3}(\beta)\cos^{4}(\beta)+4\sin^{4}(\beta)\cos^{3}(\beta)+2i\sin^{5}(\beta)\cos^{2}(\beta)-\sin^{6}(\beta)\cos(\beta)\right)\left(e^{7i\gamma}\left(i\sin(\beta)\cos^{6}(\beta)-2\sin^{2}(\beta)\cos^{5}(\beta)-4i\sin^{3}(\beta)\cos^{4}(\beta)+4\sin^{4}(\beta)\cos^{3}(\beta)+2i\sin^{5}(\beta)\cos^{2}(\beta)-\sin^{6}(\beta)\cos(\beta)\right)\right)
+e^{3i\gamma}(3i\sin(\beta)\cos^6(\beta)-6\sin^2(\beta)\cos^5(\beta)-12i\sin^3(\beta)\cos^4(\beta)+12\sin^4(\beta)\cos^3(\beta)+6i\sin^5(\beta)\cos^2(\beta)-3\sin^6(\beta)\cos(\beta))
 +e^{-5i\gamma}\left(2i\sin(\beta)\cos^{6}(\beta)-3\sin^{2}(\beta)\cos^{5}(\beta)-2i\sin^{3}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{3}(\beta)+3i\sin^{5}(\beta)\cos^{2}(\beta)-2\sin^{6}(\beta)\cos(\beta)\right)
 +e^{-i\gamma}\left(\cos^{7}(\beta)+2i\sin(\beta)\cos^{6}(\beta)-11\sin^{2}(\beta)\cos^{5}(\beta)-21i\sin^{3}(\beta)\cos^{4}(\beta)+21\sin^{4}(\beta)\cos^{3}(\beta)+11i\sin^{5}(\beta)\cos^{2}(\beta)-2\sin^{6}(\beta)\cos^{2}(\beta)+2i\sin^{4}(\beta)\cos^{2}(\beta)+2i\sin^{4}(\beta)\cos^{2}(\beta)+2i\sin^{4}(\beta)\cos^{2}(\beta)+2i\sin^{4}(\beta)\cos^{2}(\beta)+2i\sin^{4}(\beta)\cos^{2}(\beta)+2i\sin^{4}(\beta)\cos^{2}(\beta)+2i\sin^{4}(\beta)\cos^{2}(\beta)+2i\sin^{4}(\beta)\cos^{2}(\beta)+2i\sin^{4}(\beta)\cos^{2}(\beta)+2i\sin^{4}(\beta)\cos^{2}(\beta)+2i\sin^{4}(\beta)\cos^{2}(\beta)+2i\sin^{4}(\beta)\cos^{2}(\beta)+2i\sin^{4}(\beta)\cos^{2}(\beta)+2i\sin^{4}(\beta)\cos^{2}(\beta)+2i\sin^{4}(\beta)\cos^{2}(\beta)+2i\sin^{4}(\beta)\cos^{2}(\beta)+2i\sin^{4}(\beta)\cos^{2}(\beta)+2i\sin^{4}(\beta)\cos^{2}(\beta)+2i\sin^{4}(\beta)\cos^{2}(\beta)+2i\sin^{4}(\beta)\cos^{2}(\beta)+2i\sin^{4}(\beta)\cos^{2}(\beta)+2i\sin^{4}(\beta)\cos^{2}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)+2i\sin^{4}(\beta)+2i\sin^{4}(\beta)+2i\sin^{4}(\beta)+2i\sin^{4}(\beta)+2i\sin^{4}(\beta)+2i\sin^{
   (e^{-7i\gamma}(i\sin^3(\beta)\cos^4(\beta)+\sin^4(\beta)\cos^3(\beta))(e^{5i\gamma}(7i\sin^3(\beta)\cos^4(\beta)+7\sin^4(\beta)\cos^3(\beta))+e^{i\gamma}(-14\sin^2(\beta)\cos^5(\beta)+21i\sin^3(\beta)\cos^4(\beta)+\sin^4(\beta)\cos^3(\beta)))
 +e^{-3i\gamma}\left(-7i\sin(\beta)\cos^{6}(\beta)-7\sin^{2}(\beta)\cos^{5}(\beta)+7i\sin^{3}(\beta)\cos^{4}(\beta)+7\sin^{4}(\beta)\cos^{3}(\beta)-7i\sin^{5}(\beta)\cos^{2}(\beta)-7\sin^{6}(\beta)\cos(\beta)\right)
 +e^{-7i\gamma}(\cos^7(\beta)+i\sin^7(\beta)))+e^{i\gamma}(-i\sin(\beta)\cos^6(\beta)-3\sin^2(\beta)\cos^5(\beta)+3i\sin^3(\beta)\cos^4(\beta)+3\sin^4(\beta)\cos^3(\beta)-3i\sin^5(\beta)\cos^6(\beta)
 -\sin^{6}(\beta)\cos(\beta))\left(e^{-7i\gamma}\left(i\sin^{3}(\beta)\cos^{4}(\beta)+\sin^{4}(\beta)\cos^{3}(\beta)\right)+e^{5i\gamma}\left(-2\sin^{2}(\beta)\cos^{5}(\beta)+5i\sin^{3}(\beta)\cos^{4}(\beta)+5\sin^{4}(\beta)\cos^{3}(\beta)\right)+e^{5i\gamma}\left(-2\sin^{2}(\beta)\cos^{5}(\beta)+5i\sin^{3}(\beta)\cos^{4}(\beta)+5\sin^{4}(\beta)\cos^{3}(\beta)\right)+e^{5i\gamma}\left(-2\sin^{2}(\beta)\cos^{5}(\beta)+5i\sin^{3}(\beta)\cos^{4}(\beta)+5\sin^{4}(\beta)\cos^{3}(\beta)\right)+e^{5i\gamma}\left(-2\sin^{2}(\beta)\cos^{5}(\beta)+5i\sin^{3}(\beta)\cos^{4}(\beta)+5\sin^{4}(\beta)\cos^{3}(\beta)\right)+e^{5i\gamma}\left(-2\sin^{2}(\beta)\cos^{5}(\beta)+5i\sin^{3}(\beta)\cos^{4}(\beta)+5\sin^{4}(\beta)\cos^{3}(\beta)\right)+e^{5i\gamma}\left(-2\sin^{2}(\beta)\cos^{5}(\beta)+5i\sin^{3}(\beta)\cos^{4}(\beta)+5\sin^{4}(\beta)\cos^{3}(\beta)\right)+e^{5i\gamma}\left(-2\sin^{2}(\beta)\cos^{5}(\beta)+5i\sin^{3}(\beta)\cos^{4}(\beta)+5\sin^{4}(\beta)\cos^{3}(\beta)\right)+e^{5i\gamma}\left(-2\sin^{2}(\beta)\cos^{5}(\beta)+5i\sin^{4}(\beta)\cos^{4}(\beta)+5i\sin^{4}(\beta)\cos^{3}(\beta)\right)+e^{5i\gamma}\left(-2\sin^{2}(\beta)\cos^{5}(\beta)+5i\sin^{4}(\beta)\cos^{4}(\beta)+5i\sin^{4}(\beta)\cos^{5}(\beta)+5i\sin^{4}(\beta)\cos^{5}(\beta)+5i\sin^{4}(\beta)\cos^{5}(\beta)+5i\sin^{5}(\beta)\cos^{5}(\beta)+5i\sin^{5}(\beta)\cos^{5}(\beta)+5i\sin^{5}(\beta)\cos^{5}(\beta)+5i\sin^{5}(\beta)\cos^{5}(\beta)+5i\sin^{5}(\beta)\cos^{5}(\beta)+5i\sin^{5}(\beta)\cos^{5}(\beta)+5i\sin^{5}(\beta)\cos^{5}(\beta)+5i\sin^{5}(\beta)\cos^{5}(\beta)+5i\sin^{5}(\beta)\cos^{5}(\beta)+5i\sin^{5}(\beta)\cos^{5}(\beta)+5i\sin^{5}(\beta)\cos^{5}(\beta)+5i\sin^{5}(\beta)\cos^{5}(\beta)+5i\sin^{5}(\beta)\cos^{5}(\beta)+5i\sin^{5}(\beta)\cos^{5}(\beta)+5i\sin^{5}(\beta)\cos^{5}(\beta)+5i\sin^{5}(\beta)\cos^{5}(\beta)+5i\sin^{5}(\beta)\cos^{5}(\beta)+5i\sin^{5}(\beta)\cos^{5}(\beta)+5i\sin^{5}(\beta)\cos^{5}(\beta)+5i\sin^{5}(\beta)\cos^{5}(\beta)+5i\sin^{5}(\beta)\cos^{5}(\beta)+5i\sin^{5}(\beta)\cos^{5}(\beta)+5i\sin^{5}(\beta)\cos^{5}(\beta)+5i\sin^{5}(\beta)\cos^{5}(\beta)+5i\sin^{5}(\beta)\cos^{5}(\beta)+5i\sin^{5}(\beta)\cos^{5}(\beta)+5i\sin^{5}(\beta)\cos^{5}(\beta)+5i\sin^{5}(\beta)\cos^{5}(\beta)+5i\sin^{5}(\beta)\cos^{5}(\beta)+5i\sin^{5}(\beta)\cos^{5}(\beta)+5i\sin^{5}(\beta)\cos^{5}(\beta)+5i\sin^{5}(\beta)\cos^{5}(\beta)+5i\sin^{5}(\beta)\cos^{5}(\beta)+5i\sin^{5}(\beta)\cos^{5}(\beta)+5i\sin^{5}(\beta)\cos^{5}(\beta)+5i\sin^{5}(\beta)\cos^{5}(\beta)+5i\sin^{5}(\beta)\cos^{5}(\beta)+5i\sin^{5}(\beta)\cos^{5}(\beta)+5i\sin^{5}(\beta)\cos^{5}(\beta)+5i\sin^{5}(\beta)\cos^{5}(\beta)+5i\sin^{5}(\beta)\cos^{5}(\beta)+5i\sin^{5}(\beta)\cos^{5}(\beta)+5i\sin^{5}(\beta)\cos^{5}(\beta)+5i\sin^{5}(\beta)\cos^{5}(\beta)+5i\sin^{5}(\beta)\cos^{5}(\beta)+5i\sin^{5}(\beta)\cos^{5}(\beta)+5i\sin^{5}(\beta)\cos^{5}(\beta)+5i\sin^{5}(\beta)\cos^{5}(\beta)+5i\sin^{5}(\beta)\cos^{5}(\beta)+5i\sin^{5}(\beta)\cos^{5}(\beta)+5i\sin^{5}(\beta)\cos^{5}(\beta)+5i\sin^{5}(\beta)\cos^{5}(\beta)+5i\sin^{5}(\beta)\cos^{5}(\beta)+5i\sin^{5}(\beta)\cos^{5}(\beta)+5i\sin^{5}(\beta)\cos^{5}(\beta)+5i\sin^{5}(\beta)\cos^{5}(\beta)+5i\sin^{5}(\beta)\cos^{5}(\beta)+5i\sin^{5}(\beta)\cos^{5}(\beta)+5i\sin^{5}(\beta)\cos^{5}(\beta)+5i\sin^{5}(\beta)\cos^{5}(\beta)+5i\sin^{5}(\beta)\cos^{5}(\beta)+5i\sin^{5}(\beta)\cos^{5}(\beta)+5i\sin^{5}(\beta)\cos^{5}(\beta)+5i\sin^{5}(\beta)\cos^{5}(\beta)+5i\sin^{5}(\beta)\cos^{5}(\beta)+5i\sin^{5}(\beta)\cos^{5}(\beta)+5i\sin^{5}(\beta)\cos^{5}(\beta)+5i\sin^{5}(\beta)+5i\sin^{5}(\beta)+5i\sin^{5}(\beta)+5i\sin^{5}(\beta)+5i\sin^{5}(\beta)+5i\sin^{5}(\beta)+5
 +e^{-3i\gamma}\left(-i\sin(\beta)\cos^{6}(\beta)-7\sin^{2}(\beta)\cos^{5}(\beta)+13i\sin^{3}(\beta)\cos^{4}(\beta)+13\sin^{4}(\beta)\cos^{3}(\beta)-7i\sin^{5}(\beta)\cos^{2}(\beta)-\sin^{6}(\beta)\cos(\beta)\right)
+e^{i\gamma}\left(\cos^{7}(\beta)-6i\sin(\beta)\cos^{6}(\beta)-12\sin^{2}(\beta)\cos^{5}(\beta)+16i\sin^{3}(\beta)\cos^{4}(\beta)+16\sin^{4}(\beta)\cos^{3}(\beta)-12i\sin^{5}(\beta)\cos^{2}(\beta)-6\sin^{6}(\beta)\cos^{6}(\beta)\right)
 +e^{-3i\gamma}\left(-i\sin(\beta)\cos^{6}(\beta)-2\sin^{2}(\beta)\cos^{5}(\beta)+4i\sin^{3}(\beta)\cos^{4}(\beta)+4\sin^{4}(\beta)\cos^{3}(\beta)-2i\sin^{5}(\beta)\cos^{2}(\beta)-\sin^{6}(\beta)\cos(\beta)\right)\left(e^{-3i\gamma}\left(-i\sin(\beta)\cos^{6}(\beta)-2\sin^{2}(\beta)\cos^{5}(\beta)+4i\sin^{3}(\beta)\cos^{4}(\beta)+4\sin^{4}(\beta)\cos^{3}(\beta)-2i\sin^{5}(\beta)\cos^{2}(\beta)-\sin^{6}(\beta)\cos(\beta)\right)\right)
+e^{5i\gamma}\left(-\sin^2(\beta)\cos^5(\beta)+6i\sin^3(\beta)\cos^4(\beta)+6\sin^4(\beta)\cos^3(\beta)-i\sin^5(\beta)\cos^2(\beta)\right)+e^{i\gamma}\left(-3i\sin(\beta)\cos^6(\beta)-14\sin^2(\beta)\cos^5(\beta)+6i\sin^4(\beta)\cos^4(\beta)+6\sin^4(\beta)\cos^3(\beta)-i\sin^5(\beta)\cos^2(\beta)\right)
+e^{-3i\gamma}\left(\cos^{7}(\beta)-4i\sin(\beta)\cos^{6}(\beta)-5\sin^{2}(\beta)\cos^{5}(\beta)+11i\sin^{3}(\beta)\cos^{4}(\beta)+11\sin^{4}(\beta)\cos^{3}(\beta)-5i\sin^{5}(\beta)\cos^{2}(\beta)-4\sin^{6}(\beta)\cos^{5}(\beta)+11i\sin^{3}(\beta)\cos^{4}(\beta)+11\sin^{4}(\beta)\cos^{3}(\beta)-5i\sin^{5}(\beta)\cos^{2}(\beta)-4\sin^{6}(\beta)\cos^{5}(\beta)+11i\sin^{3}(\beta)\cos^{4}(\beta)+11\sin^{4}(\beta)\cos^{3}(\beta)-5i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{4}(\beta)\cos^{5}(\beta)+11i\sin^{4}(\beta)\cos^{5}(\beta)+11i\sin^{4}(\beta)\cos^{5}(\beta)+11i\sin^{4}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)
+e^{-3i\gamma}\left(-i\sin(\beta)\cos^{6}(\beta)-3\sin^{2}(\beta)\cos^{5}(\beta)+3i\sin^{3}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{3}(\beta)-3i\sin^{5}(\beta)\cos^{2}(\beta)-\sin^{6}(\beta)\cos(\beta)\right)\left(e^{-3i\gamma}\left(-i\sin(\beta)\cos^{6}(\beta)-3\sin^{2}(\beta)\cos^{5}(\beta)+3i\sin^{3}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{3}(\beta)-3i\sin^{5}(\beta)\cos^{2}(\beta)-\sin^{6}(\beta)\cos(\beta)\right)\right)
 +e^{5i\gamma}\left(-2\sin^2(\beta)\cos^5(\beta)+5i\sin^3(\beta)\cos^4(\beta)+5\sin^4(\beta)\cos^3(\beta)-2i\sin^5(\beta)\cos^2(\beta)\right)+e^{i\gamma}\left(-3i\sin(\beta)\cos^6(\beta)-11\sin^2(\beta)\cos^2(\beta)\cos^2(\beta)+2i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)
 +e^{-3i\gamma}(\cos^7(\beta)-4i\sin(\beta)\cos^6(\beta)-8\sin^2(\beta)\cos^5(\beta)+8i\sin^3(\beta)\cos^4(\beta)+8\sin^4(\beta)\cos^3(\beta)-8i\sin^5(\beta)\cos^2(\beta)-4\sin^6(\beta)\cos^6(\beta)
 +e^{i\gamma}(\cos^7(\beta)-i\sin(\beta)\cos^6(\beta)-3\sin^2(\beta)\cos^5(\beta)+9i\sin^3(\beta)\cos^4(\beta)+9\sin^4(\beta)\cos^3(\beta)-3i\sin^5(\beta)\cos^2(\beta)-\sin^6(\beta)\cos(\beta)
+i\sin^{7}(\beta))\left(e^{-7i\gamma}\left(i\sin^{3}(\beta)\cos^{4}(\beta)+\sin^{4}(\beta)\cos^{3}(\beta)\right)+e^{-3i\gamma}\left(-2i\sin(\beta)\cos^{6}(\beta)-8\sin^{2}(\beta)\cos^{5}(\beta)+11i\sin^{3}(\beta)\cos^{4}(\beta)+3\sin^{2}(\beta)\cos^{4}(\beta)+3\sin^{2}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{4}(\beta)+3\sin^{
 +e^{5i\gamma}\left(-i\sin(\beta)\cos^{6}(\beta)-3\sin^{2}(\beta)\cos^{5}(\beta)+3i\sin^{3}(\beta)\cos^{2}(\delta)+3\sin^{4}(\beta)\cos^{3}(\beta)-3i\sin^{5}(\beta)\cos^{2}(\beta)-\sin^{6}(\beta)\cos(\beta)\right)
+e^{i\gamma}\left(\cos^{7}(\beta)-4i\sin(\beta)\cos^{6}(\beta)-10\sin^{2}(\beta)\cos^{5}(\beta)+20i\sin^{3}(\beta)\cos^{4}(\beta)+20\sin^{4}(\beta)\cos^{3}(\beta)-10i\sin^{5}(\beta)\cos^{2}(\beta)-4\sin^{6}(\beta)\cos^{6}(\beta)\right)
+e^{i\gamma}\left(-i\sin(\beta)\cos^{6}(\beta)-2\sin^{2}(\beta)\cos^{5}(\beta)+4i\sin^{3}(\beta)\cos^{4}(\beta)+4\sin^{4}(\beta)\cos^{3}(\beta)-2i\sin^{5}(\beta)\cos^{2}(\beta)-\sin^{6}(\beta)\cos(\beta)\right)\left(e^{-7i\gamma}\right)
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(e^{7i\gamma}(\cos^3(\beta)\sin^4(\beta) - i\cos^4(\beta)\sin^3(\beta))(e^{-5i\gamma}(7\cos^3(\beta)\sin^4(\beta) - 7i\cos^4(\beta)\sin^3(\beta)))
 +e^{-i\gamma}\left(-14\sin^2(\beta)\cos^5(\beta)-21i\sin^3(\beta)\cos^4(\beta)+21\sin^4(\beta)\cos^3(\beta)+14i\sin^5(\beta)\cos^2(\beta)\right)
+e^{3i\gamma}(7i\sin(\beta)\cos^6(\beta)-7\sin^2(\beta)\cos^5(\beta)-7i\sin^3(\beta)\cos^4(\beta)+7\sin^4(\beta)\cos^3(\beta)+7i\sin^5(\beta)\cos^2(\beta)-7\sin^6(\beta)\cos(\beta))
+e^{7i\gamma}\left(\cos^{7}(\beta)-i\sin^{7}(\beta)\right)+e^{-i\gamma}\left(\cos^{7}(\beta)+2i\sin(\beta)\cos^{6}(\beta)-2\sin^{2}(\beta)\cos^{5}(\beta)-2i\sin^{3}(\beta)\cos^{4}(\beta)\right)
 +2\sin^4(\beta)\cos^3(\beta) + 2i\sin^5(\beta)\cos^2(\beta) - 2\sin^6(\beta)\cos(\beta) - i\sin^7(\beta) \left(e^{7i\gamma}\left(\cos^3(\beta)\sin^4(\beta) - i\cos^4(\beta)\sin^3(\beta)\right)\right)
 +e^{-5i\gamma}\left(-2\sin^2(\beta)\cos^5(\beta)-5i\sin^3(\beta)\cos^4(\beta)+5\sin^4(\beta)\cos^3(\beta)+2i\sin^5(\beta)\cos^2(\beta)\right)
+e^{3i\gamma}\left(i\sin(\beta)\cos^{6}(\beta)-7\sin^{2}(\beta)\cos^{5}(\beta)-13i\sin^{3}(\beta)\cos^{4}(\beta)+13\sin^{4}(\beta)\cos^{3}(\beta)+7i\sin^{5}(\beta)\cos^{2}(\beta)-\sin^{6}(\beta)\cos(\beta)\right)
+e^{-i\gamma}\left(\cos^{7}(\beta)+6i\sin(\beta)\cos^{6}(\beta)-12\sin^{2}(\beta)\cos^{5}(\beta)-16i\sin^{3}(\beta)\cos^{4}(\beta)+16\sin^{4}(\beta)\cos^{3}(\beta)+12i\sin^{5}(\beta)\cos^{2}(\beta)-6\sin^{6}(\beta)\cos^{2}(\beta)+16i\sin^{4}(\beta)\cos^{3}(\beta)+16i\sin^{4}(\beta)\cos^{2}(\beta)+16i\sin^{4}(\beta)\cos^{2}(\beta)+16i\sin^{4}(\beta)\cos^{2}(\beta)+16i\sin^{4}(\beta)\cos^{2}(\beta)+16i\sin^{4}(\beta)\cos^{2}(\beta)+16i\sin^{4}(\beta)\cos^{2}(\beta)+16i\sin^{4}(\beta)\cos^{2}(\beta)+16i\sin^{4}(\beta)\cos^{2}(\beta)+16i\sin^{4}(\beta)\cos^{2}(\beta)+16i\sin^{4}(\beta)\cos^{2}(\beta)+16i\sin^{4}(\beta)\cos^{2}(\beta)+16i\sin^{4}(\beta)\cos^{2}(\beta)+16i\sin^{4}(\beta)\cos^{2}(\beta)+16i\sin^{4}(\beta)\cos^{2}(\beta)+16i\sin^{4}(\beta)\cos^{2}(\beta)+16i\sin^{4}(\beta)\cos^{2}(\beta)+16i\sin^{4}(\beta)\cos^{2}(\beta)+16i\sin^{4}(\beta)\cos^{2}(\beta)+16i\sin^{4}(\beta)\cos^{2}(\beta)+16i\sin^{4}(\beta)\cos^{2}(\beta)+16i\sin^{4}(\beta)\cos^{2}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)+16i\sin^{4}(\beta)+16i\sin^{4}(\beta)+16i\sin^{4}(\beta)+16i\sin^{4}(\beta)+16i\sin^{4}(\beta)+16i\sin^{4}(\beta)+16i\sin^{4}(\beta)+16i\sin^{4}(\beta)+16i\sin^{4}(\beta)+16i\sin^{4}(\beta)+16
 +e^{3i\gamma}(i\sin(\beta)\cos^{6}(\beta)-2\sin^{2}(\beta)\cos^{5}(\beta)-4i\sin^{3}(\beta)\cos^{4}(\beta)+4\sin^{4}(\beta)\cos^{3}(\beta)
 +2i\sin^5(\beta)\cos^2(\beta)-\sin^6(\beta)\cos(\beta) \left(e^{7i\gamma}\left(i\cos^2(\beta)\sin^5(\beta)-\cos^5(\beta)\sin^2(\beta)\right)\right)
+e^{-5i\gamma}\left(-\sin^2(\beta)\cos^5(\beta)-6i\sin^3(\beta)\cos^4(\beta)+6\sin^4(\beta)\cos^3(\beta)+i\sin^5(\beta)\cos^2(\beta)\right)
 +e^{-i\gamma}\left(3i\sin(\beta)\cos^{6}(\beta)-14\sin^{2}(\beta)\cos^{5}(\beta)-18i\sin^{3}(\beta)\cos^{4}(\beta)+18\sin^{4}(\beta)\cos^{3}(\beta)+14i\sin^{5}(\beta)\cos^{2}(\beta)-3\sin^{6}(\beta)\cos(\beta)\right)
 +e^{3i\gamma}\left(\cos^{7}(\beta)+4i\sin(\beta)\cos^{6}(\beta)-5\sin^{2}(\beta)\cos^{5}(\beta)-11i\sin^{3}(\beta)\cos^{4}(\beta)+11\sin^{4}(\beta)\cos^{3}(\beta)+5i\sin^{5}(\beta)\cos^{2}(\beta)-4\sin^{6}(\beta)\cos^{6}(\beta)\right)
 +e^{3i\gamma}\left(-2\sin^2(\beta)\cos^5(\beta) - 5i\sin^3(\beta)\cos^4(\beta) + 5\sin^4(\beta)\cos^3(\beta)\right)
+2i\sin^5(\beta)\cos^2(\beta)) \left(e^{7i\gamma}\left(\cos^3(\beta)\sin^4(\beta)-i\cos^4(\beta)\sin^3(\beta)\right)\right)
 +e^{-5i\gamma}\left(-2\sin^2(\beta)\cos^5(\beta)-5i\sin^3(\beta)\cos^4(\beta)+5\sin^4(\beta)\cos^3(\beta)+2i\sin^5(\beta)\cos^2(\beta)\right)
+e^{-i\gamma}(3i\sin(\beta)\cos^6(\beta)-11\sin^2(\beta)\cos^5(\beta)-21i\sin^3(\beta)\cos^4(\beta)+21\sin^4(\beta)\cos^3(\beta)+11i\sin^5(\beta)\cos^2(\beta)-3\sin^6(\beta)\cos(\beta)
+e^{3i\gamma}(\cos^7(\beta)+4i\sin(\beta)\cos^6(\beta)-8\sin^2(\beta)\cos^5(\beta)-8i\sin^3(\beta)\cos^4(\beta)+8\sin^4(\beta)\cos^3(\beta)+8i\sin^5(\beta)\cos^2(\beta)-4\sin^6(\beta)\cos^6(\beta)
 +e^{-i\gamma}\left(2i\sin(\beta)\cos^{6}(\beta)-6\sin^{2}(\beta)\cos^{5}(\beta)-6i\sin^{3}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{3}(\beta)+6i\sin^{5}(\beta)\cos^{2}(\beta)-2\sin^{6}(\beta)\cos(\beta)\right)\left(e^{7i\beta}\cos^{2}(\beta)-6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{
 +e^{3i\gamma}\left(2i\sin(\beta)\cos^{6}(\beta)-8\sin^{2}(\beta)\cos^{5}(\beta)-11i\sin^{3}(\beta)\cos^{4}(\beta)+11\sin^{4}(\beta)\cos^{3}(\beta)+8i\sin^{5}(\beta)\cos^{2}(\beta)-2\sin^{6}(\beta)\cos(\beta)\right)
 +e^{-5i\gamma}\left(i\sin(\beta)\cos^{6}(\beta)-3\sin^{2}(\beta)\cos^{5}(\beta)-3i\sin^{3}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{3}(\beta)+3i\sin^{5}(\beta)\cos^{2}(\beta)-\sin^{6}(\beta)\cos(\beta)\right)
 +e^{-i\gamma}\left(\cos^{7}(\beta)+4i\sin(\beta)\cos^{6}(\beta)-10\sin^{2}(\beta)\cos^{5}(\beta)-20i\sin^{3}(\beta)\cos^{4}(\beta)+20\sin^{4}(\beta)\cos^{3}(\beta)+10i\sin^{5}(\beta)\cos^{2}(\beta)-4\sin^{6}(\beta)\cos^{2}(\beta)+20\sin^{4}(\beta)\cos^{2}(\beta)+10i\sin^{5}(\beta)\cos^{2}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\sin^{5}(\beta)+10i\sin^{5}(\beta)\sin^{5}(\beta)+10i\sin^{5}(\beta)\sin^{5}(\beta)+10i\sin^{5}(\beta)\sin^{5}(\beta)+10i\sin^{5}(\beta)\sin^{5}(\beta)+10i\sin^{5}(\beta)+10i\sin^{5}(\beta)+10i\sin^{5}(\beta)+10i\sin^{5}(\beta)+10i\sin^{5}(\beta)+10i\sin^{5}(\beta)+10i\sin^{5}(\beta)+10i\sin^{5}(\beta)+10i\sin^{5}(\beta)+10i\sin^{5}(\beta)+10i\sin^{5}(\beta)+10i\sin^{5}(\beta)+10i\sin^{5}(\beta)
 +e^{-i\gamma}\left(2i\sin(\beta)\cos^{6}(\beta)-3\sin^{2}(\beta)\cos^{5}(\beta)-2i\sin^{3}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{3}(\beta)+3i\sin^{5}(\beta)\cos^{2}(\beta)-2\sin^{6}(\beta)\cos(\beta)\right)\left(e^{7i\beta}\cos^{2}(\beta)-3\sin^{2}(\beta)\cos^{2}(\beta)-3\sin^{2}(\beta)\cos^{2}(\beta)+3\sin^{2}(\beta)\cos^{2}(\beta)+3\sin^{2}(\beta)\cos^{2}(\beta)+3\sin^{2}(\beta)\cos^{2}(\beta)+3\sin^{2}(\beta)\cos^{2}(\beta)+3\sin^{2}(\beta)\cos^{2}(\beta)+3\sin^{2}(\beta)\cos^{2}(\beta)+3\sin^{2}(\beta)\cos^{2}(\beta)+3\sin^{2}(\beta)\cos^{2}(\beta)+3\sin^{2}(\beta)\cos^{2}(\beta)+3\sin^{2}(\beta)\cos^{2}(\beta)+3\sin^{2}(\beta)\cos^{2}(\beta)+3\sin^{2}(\beta)\cos^{2}(\beta)+3\sin^{2}(\beta)\cos^{2}(\beta)+3\sin^{2}(\beta)\cos^{2}(\beta)+3\sin^{2}(\beta)\cos^{2}(\beta)+3\sin^{2}(\beta)\cos^{2}(\beta)+3\sin^{2}(\beta)\cos^{2}(\beta)+3\sin^{2}(\beta)\cos^{2}(\beta)+3\sin^{2}(\beta)\cos^{2}(\beta)+3\sin^{2}(\beta)\cos^{2}(\beta)+3\sin^{2}(\beta)\cos^{2}(\beta)+3\sin^{2}(\beta)\cos^{2}(\beta)+3\sin^{2}(\beta)\cos^{2}(\beta)+3\sin^{2}(\beta)\cos^{2}(\beta)+3\sin^{2}(\beta)\cos^{2}(\beta)+3\sin^{2}(\beta)\cos^{2}(\beta)+3\sin^{2}(\beta)\cos^{2}(\beta)+3\sin^{2}(\beta)\cos^{2}(\beta)+3\sin^{2}(\beta)\cos^{2}(\beta)+3\sin^{2}(\beta)\cos^{2}(\beta)+3\sin^{2}(\beta)\cos^{2}(\beta)+3\sin^{2}(\beta)\cos^{2}(\beta)+3\sin^{2}(\beta)\cos^{2}(\beta)+3\sin^{2}(\beta)\cos^{2}(\beta)+3\sin^{2}(\beta)\cos^{2}(\beta)+3\sin^{2}(\beta)\cos^{2}(\beta)+3\sin^{2}(\beta)\cos^{2}(\beta)+3\sin^{2}(\beta)\cos^{2}(\beta)+3\sin^{2}(\beta)\cos^{2}(\beta)+3\sin^{2}(\beta)\cos^{2}(\beta)+3\sin^{2}(\beta)\cos^{2}(\beta)+3\sin^{2}(\beta)\cos^{2}(\beta)+3\sin^{2}(\beta)\cos^{2}(\beta)+3\sin^{2}(\beta)\cos^{2}(\beta)+3\sin^{2}(\beta)\cos^{2}(\beta)+3\sin^{2}(\beta)\cos^{2}(\beta)+3\sin^{2}(\beta)\cos^{2}(\beta)+3\sin^{2}(\beta)\cos^{2}(\beta)+3\sin^{2}(\beta)\cos^{2}(\beta)+3\sin^{2}(\beta)\cos^{2}(\beta)+3\sin^{2}(\beta)\cos^{2}(\beta)+3\sin^{2}(\beta)\cos^{2}(\beta)+3\sin^{2}(\beta)\cos^{2}(\beta)+3\sin^{2}(\beta)\cos^{2}(\beta)+3\sin^{2}(\beta)\cos^{2}(\beta)+3\sin^{2}(\beta)\cos^{2}(\beta)+3\sin^{2}(\beta)\cos^{2}(\beta)+3\sin^{2}(\beta)\cos^{2}(\beta)+3\sin^{2}(\beta)\cos^{2}(\beta)+3\sin^{2}(\beta)\cos^{2}(\beta)+3\sin^{2}(\beta)\cos^{2}(\beta)+3\sin^{2}(\beta)\cos^{2}(\beta)+3\sin^{2}(\beta)\cos^{2}(\beta)+3\sin^{2}(\beta)\cos^{2}(\beta)+3\sin^{2}(\beta)\cos^{2}(\beta)+3\sin^{2}(\beta)\cos^{2}(\beta)+3\sin^{2}(\beta)\cos^{2}(\beta)+3\sin^{2}(\beta)\cos^{2}(\beta)+3\sin^{2}(\beta)\cos^{2}(\beta)+3\sin^{2}(\beta)\cos^{2}(\beta)+3\sin^{2}(\beta)\cos^{2}(\beta)+3\sin^{2}(\beta)\cos^{2}(\beta)+3\sin^{2}(\beta)\cos^{2}(\beta)+3\sin^{2}(\beta)\cos^{2}(\beta)+3\sin^{2}(\beta)\cos^{2}(\beta)+3\sin^{2}(\beta)\cos^{2}(\beta)+3\sin^{2}(\beta)\cos^{2}(\beta)+3\sin^{2}(\beta)\cos^{2}(\beta)+3\sin^{2}(\beta)\cos^{2}(\beta)+3\sin^{2}(\beta)\cos^{2}(\beta)+3\sin^{2}(\beta)\cos^{2}(\beta)+3\sin^{2}(\beta)\cos^{2}(\beta)+3\sin^{2}(\beta)\cos^{2}(\beta)+3\sin^{2}(\beta)\cos^{2}(\beta)+3\sin^{2}(\beta)\cos^{2}(\beta)+3\sin^{2}(\beta)\cos^{2}(\beta)+3\sin^{2}(\beta)\cos^{2}(\beta)+3\sin^{2}(\beta)\cos^{2}(\beta)+3\sin^{2}(\beta)\cos^{2}(\beta)+3\sin^{2}(\beta)\cos^{2}(\beta)+3\sin^{2}(\beta)\cos^{2}(\beta)+3\sin^{2}(\beta)\cos^{2}(\beta)+3\sin^{2}(\beta)\cos^{2}(\beta)+3\sin^{2}(\beta)\cos^{2}(\beta)+3\sin^{2}(\beta)\cos^{2}(\beta)+3\sin^{2}(\beta)\cos^{2}(\beta)+3\sin^{2}(\beta)\cos^{2}(\beta)+3\sin^{2}(\beta)\cos^{2}(\beta)+3\sin^{2}(\beta)\cos^{2}(\beta)+3\sin^{2}(\beta)\cos^{2}(\beta)+3\sin^{2}(\beta)\cos^{2}(\beta)+3\sin^{2}(\beta)\cos^{2}(\beta)+3\sin^{2}(\beta)\cos^{2}(\beta)+3\sin^{2}(\beta)\cos^{2}(\beta)+3\sin^{
 +e^{3i\gamma}\left(2i\sin(\beta)\cos^{6}(\beta)-5\sin^{2}(\beta)\cos^{5}(\beta)-14i\sin^{3}(\beta)\cos^{4}(\beta)+14\sin^{4}(\beta)\cos^{3}(\beta)+5i\sin^{5}(\beta)\cos^{2}(\beta)-2\sin^{6}(\beta)\cos(\beta)\right)
+e^{-5i\gamma}\left(i\sin(\beta)\cos^{6}(\beta)-2\sin^{2}(\beta)\cos^{5}(\beta)-4i\sin^{3}(\beta)\cos^{4}(\beta)+4\sin^{4}(\beta)\cos^{3}(\beta)+2i\sin^{5}(\beta)\cos^{2}(\beta)-\sin^{6}(\beta)\cos(\beta)\right)
 +e^{-i\gamma}\left(\cos^{7}(\beta)+4i\sin(\beta)\cos^{6}(\beta)-13\sin^{2}(\beta)\cos^{5}(\beta)-17i\sin^{3}(\beta)\cos^{4}(\beta)+17\sin^{4}(\beta)\cos^{3}(\beta)+13i\sin^{5}(\beta)\cos^{2}(\beta)-4\sin^{6}(\beta)\cos^{6}(\beta)\right)
 +e^{-5i\gamma}\left(-2\sin^2(\beta)\cos^5(\beta)-5i\sin^3(\beta)\cos^4(\beta)+5\sin^4(\beta)\cos^3(\beta)+2i\sin^5(\beta)\cos^2(\beta)\right)\left(e^{7i\gamma}\left(\cos^3(\beta)\sin^4(\beta)-i\cos^4(\beta)\sin^3(\beta)\cos^3(\beta)+2i\sin^5(\beta)\cos^2(\beta)\right)\right)
+e^{3i\gamma}\left(-6\sin^{2}(\beta)\cos^{5}(\beta)-15i\sin^{3}(\beta)\cos^{4}(\beta)+15\sin^{4}(\beta)\cos^{3}(\beta)+6i\sin^{5}(\beta)\cos^{2}(\beta)\right)+e^{-i\gamma}\left(5i\sin(\beta)\cos^{6}(\beta)-13\sin^{2}(\beta)\cos^{4}(\beta)+15\sin^{4}(\beta)\cos^{3}(\beta)+6i\sin^{5}(\beta)\cos^{2}(\beta)\right)+e^{-i\gamma}\left(5i\sin(\beta)\cos^{6}(\beta)-13\sin^{2}(\beta)\cos^{4}(\beta)+15\sin^{4}(\beta)\cos^{3}(\beta)+6i\sin^{5}(\beta)\cos^{2}(\beta)\right)+e^{-i\gamma}\left(5i\sin(\beta)\cos^{6}(\beta)-13\sin^{2}(\beta)\cos^{4}(\beta)+15\sin^{4}(\beta)\cos^{3}(\beta)+6i\sin^{5}(\beta)\cos^{2}(\beta)\right)+e^{-i\gamma}\left(5i\sin(\beta)\cos^{6}(\beta)-13\sin^{2}(\beta)\cos^{4}(\beta)+15\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{5}(\beta)\cos^{4}(\beta)\right)+e^{-i\gamma}\left(5i\sin(\beta)\cos^{6}(\beta)-13\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{5}(\beta)\cos^{4}(\beta)+6i\sin^{5}(\beta)\cos^{4}(\beta)\right)+e^{-i\gamma}\left(5i\sin(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)\cos^{4}(\beta)+6i\sin^{4}(\beta)+6i\sin^{4}(\beta)+6i\sin^{4}(\beta)+6i\sin^{4}(\beta)+6i\sin^{4}(\beta)+6i\cos^{4}(\beta)+6i\sin^{4}(\beta)+6i\sin^{4}(\beta)+6i\sin^{4}(\beta)+6i\sin^{4}(\beta)+6i\sin^{4}(\beta)+6i\sin^{4}(\beta)+6i\sin^{4}(\beta)+6i\sin^{4}(\beta)+6i\sin^{4}(\beta)+6i\sin^{4}(\beta)+6i\sin^{4}(\beta)
+e^{-5i\gamma}(\cos^7(\beta)+2i\sin(\beta)\cos^6(\beta)-2\sin^2(\beta)\cos^5(\beta)-2i\sin^3(\beta)\cos^4(\beta)+2\sin^4(\beta)\cos^3(\beta)+2i\sin^5(\beta)\cos^2(\beta)-2\sin^6(\beta)\cos^6(\beta)
 +e^{3i\gamma}\left(-3\sin^2(\beta)\cos^5(\beta)-4i\sin^3(\beta)\cos^4(\beta)+4\sin^4(\beta)\cos^3(\beta)+3i\sin^5(\beta)\cos^2(\beta)\right)\left(e^{-5i\gamma}\left(-3\sin^2(\beta)\cos^5(\beta)-4i\sin^3(\beta)\cos^4(\beta)+4\sin^4(\beta)\cos^3(\beta)+3i\sin^5(\beta)\cos^2(\beta)\right)\right)
+e^{-i\gamma} \left(4 i \sin(\beta) \cos^6(\beta)-9 \sin^2(\beta) \cos^5(\beta)-22 i \sin^3(\beta) \cos^4(\beta)+22 \sin^4(\beta) \cos^3(\beta)+9 i \sin^5(\beta) \cos^2(\beta)-4 \sin^6(\beta) \cos(\beta)\right)
+e^{7i\gamma}(i\cos^{6}(\beta)\sin(\beta)-\cos(\beta)\sin^{6}(\beta))+e^{3i\gamma}(\cos^{7}(\beta)+2i\sin(\beta)\cos^{6}(\beta)-9\sin^{2}(\beta)\cos^{5}(\beta)-9i\sin^{3}(\beta)\cos^{4}(\beta)+9\sin^{4}(\beta)\cos^{6}(\beta)\sin^{6}(\beta)\cos^{6}(\beta)\sin^{6}(\beta)\cos^{6}(\beta)\sin^{6}(\beta)\cos^{6}(\beta)\sin^{6}(\beta)\cos^{6}(\beta)\sin^{6}(\beta)\cos^{6}(\beta)\sin^{6}(\beta)\cos^{6}(\beta)\sin^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\sin^{6}(\beta)\cos^{6}(\beta)\sin^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\sin^{6}(\beta)\cos^{6}(\beta)\sin^{6}(\beta)\cos^{6}(\beta)\sin^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos
 +e^{-i\gamma}\left(-\sin^2(\beta)\cos^5(\beta)-6i\sin^3(\beta)\cos^4(\beta)+6\sin^4(\beta)\cos^3(\beta)+i\sin^5(\beta)\cos^2(\beta)\right)\left(e^{7i\gamma}\left(i\cos^2(\beta)\sin^5(\beta)-\cos^5(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)\sin^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)
+e^{3i\gamma}(3i\sin(\beta)\cos^6(\beta)-6\sin^2(\beta)\cos^5(\beta)-12i\sin^3(\beta)\cos^4(\beta)+12\sin^4(\beta)\cos^3(\beta)+6i\sin^5(\beta)\cos^2(\beta)-3\sin^6(\beta)\cos(\beta))
+e^{-5i\gamma}\left(2i\sin(\beta)\cos^{6}(\beta)-3\sin^{2}(\beta)\cos^{5}(\beta)-2i\sin^{3}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{3}(\beta)+3i\sin^{5}(\beta)\cos^{2}(\beta)-2\sin^{6}(\beta)\cos(\beta)\right)
 +e^{-i\gamma}\left(\cos^{7}(\beta)+2i\sin(\beta)\cos^{6}(\beta)-11\sin^{2}(\beta)\cos^{5}(\beta)-21i\sin^{3}(\beta)\cos^{4}(\beta)+21\sin^{4}(\beta)\cos^{3}(\beta)+11i\sin^{5}(\beta)\cos^{2}(\beta)-2\sin^{6}(\beta)\cos^{2}(\beta)+2i\sin^{4}(\beta)\cos^{2}(\beta)+2i\sin^{4}(\beta)\cos^{2}(\beta)+2i\sin^{4}(\beta)\cos^{2}(\beta)+2i\sin^{4}(\beta)\cos^{2}(\beta)+2i\sin^{4}(\beta)\cos^{2}(\beta)+2i\sin^{4}(\beta)\cos^{2}(\beta)+2i\sin^{4}(\beta)\cos^{2}(\beta)+2i\sin^{4}(\beta)\cos^{2}(\beta)+2i\sin^{4}(\beta)\cos^{2}(\beta)+2i\sin^{4}(\beta)\cos^{2}(\beta)+2i\sin^{4}(\beta)\cos^{2}(\beta)+2i\sin^{4}(\beta)\cos^{2}(\beta)+2i\sin^{4}(\beta)\cos^{2}(\beta)+2i\sin^{4}(\beta)\cos^{2}(\beta)+2i\sin^{4}(\beta)\cos^{2}(\beta)+2i\sin^{4}(\beta)\cos^{2}(\beta)+2i\sin^{4}(\beta)\cos^{2}(\beta)+2i\sin^{4}(\beta)\cos^{2}(\beta)+2i\sin^{4}(\beta)\cos^{2}(\beta)+2i\sin^{4}(\beta)\cos^{2}(\beta)+2i\sin^{4}(\beta)\cos^{2}(\beta)+2i\sin^{4}(\beta)\cos^{2}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)\cos^{4}(\beta)+2i\sin^{4}(\beta)+2i\sin^{4}(\beta)+2i\sin^{4}(\beta)+2i\sin^{4}(\beta)+2i\sin^{4}(\beta)+2i\sin^{4}(\beta)+2i\sin^{
  (e^{-7i\gamma}(i\sin^3(\beta)\cos^4(\beta)+\sin^4(\beta)\cos^3(\beta))(e^{5i\gamma}(7i\sin^3(\beta)\cos^4(\beta)+7\sin^4(\beta)\cos^3(\beta))+e^{i\gamma}(-14\sin^2(\beta)\cos^5(\beta)+21i\sin^3(\beta)\cos^4(\beta)+\sin^4(\beta)\cos^3(\beta)))
 +e^{-3i\gamma}\left(-7i\sin(\beta)\cos^{6}(\beta)-7\sin^{2}(\beta)\cos^{5}(\beta)+7i\sin^{3}(\beta)\cos^{4}(\beta)+7\sin^{4}(\beta)\cos^{3}(\beta)-7i\sin^{5}(\beta)\cos^{2}(\beta)-7\sin^{6}(\beta)\cos(\beta)\right)
 +e^{-7i\gamma}\left(\cos^{7}(\beta)+i\sin^{7}(\beta)\right)+e^{i\gamma}\left(\cos^{7}(\beta)-2i\sin(\beta)\cos^{6}(\beta)-2\sin^{2}(\beta)\cos^{5}(\beta)+2i\sin^{3}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{3}(\beta)\right)
 -2i\sin^{5}(\beta)\cos^{2}(\beta)-2\sin^{6}(\beta)\cos(\beta)+i\sin^{7}(\beta))\left(e^{-7i\gamma}\left(i\sin^{3}(\beta)\cos^{4}(\beta)+\sin^{4}(\beta)\cos^{3}(\beta)\right)+e^{5i\gamma}\left(-2\sin^{2}(\beta)\cos^{5}(\beta)+5i\sin^{4}(\beta)\cos^{2}(\beta)+\sin^{4}(\beta)\cos^{2}(\beta)\right)\right)
 +e^{-3i\gamma}\left(-i\sin(\beta)\cos^{6}(\beta)-7\sin^{2}(\beta)\cos^{5}(\beta)+13i\sin^{3}(\beta)\cos^{4}(\beta)+13\sin^{4}(\beta)\cos^{3}(\beta)-7i\sin^{5}(\beta)\cos^{2}(\beta)-\sin^{6}(\beta)\cos(\beta)\right)
+e^{i\gamma}\left(\cos^{7}(\beta)-6i\sin(\beta)\cos^{6}(\beta)-12\sin^{2}(\beta)\cos^{5}(\beta)+16i\sin^{3}(\beta)\cos^{4}(\beta)+16\sin^{4}(\beta)\cos^{3}(\beta)-12i\sin^{5}(\beta)\cos^{2}(\beta)-6\sin^{6}(\beta)\cos^{6}(\beta)\right)
 +e^{-3i\gamma}\left(-i\sin(\beta)\cos^{6}(\beta)-2\sin^{2}(\beta)\cos^{5}(\beta)+4i\sin^{3}(\beta)\cos^{4}(\beta)+4\sin^{4}(\beta)\cos^{3}(\beta)-2i\sin^{5}(\beta)\cos^{2}(\beta)-\sin^{6}(\beta)\cos(\beta)\right)\left(e^{-3i\gamma}\left(-i\sin(\beta)\cos^{6}(\beta)-2\sin^{2}(\beta)\cos^{5}(\beta)+4i\sin^{3}(\beta)\cos^{4}(\beta)+4\sin^{4}(\beta)\cos^{3}(\beta)-2i\sin^{5}(\beta)\cos^{2}(\beta)-\sin^{6}(\beta)\cos(\beta)\right)\right)
+e^{5i\gamma}\left(-\sin^2(\beta)\cos^5(\beta)+6i\sin^3(\beta)\cos^4(\beta)+6\sin^4(\beta)\cos^3(\beta)-i\sin^5(\beta)\cos^2(\beta)\right)+e^{i\gamma}\left(-3i\sin(\beta)\cos^6(\beta)-14\sin^2(\beta)\cos^5(\beta)+6i\sin^4(\beta)\cos^4(\beta)+6\sin^4(\beta)\cos^3(\beta)-i\sin^5(\beta)\cos^2(\beta)\right)
+e^{-3i\gamma}\left(\cos^{7}(\beta)-4i\sin(\beta)\cos^{6}(\beta)-5\sin^{2}(\beta)\cos^{5}(\beta)+11i\sin^{3}(\beta)\cos^{4}(\beta)+11\sin^{4}(\beta)\cos^{3}(\beta)-5i\sin^{5}(\beta)\cos^{2}(\beta)-4\sin^{6}(\beta)\cos^{6}(\beta)\right)
+e^{-3i\gamma}\left(-2\sin^2(\beta)\cos^5(\beta)+5i\sin^3(\beta)\cos^4(\beta)+5\sin^4(\beta)\cos^3(\beta)-2i\sin^5(\beta)\cos^2(\beta)\right)\left(e^{-7i\gamma}\left(i\sin^3(\beta)\cos^4(\beta)+\sin^4(\beta)\cos^4(\beta)+\sin^4(\beta)\cos^3(\beta)+\sin^4(\beta)\cos^2(\beta)\right)\right)
 +e^{5i\gamma}\left(-2\sin^2(\beta)\cos^5(\beta)+5i\sin^3(\beta)\cos^4(\beta)+5\sin^4(\beta)\cos^3(\beta)-2i\sin^5(\beta)\cos^2(\beta)\right)+e^{i\gamma}\left(-3i\sin(\beta)\cos^6(\beta)-11\sin^2(\beta)\cos^2(\beta)\cos^2(\beta)+2i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)
+e^{-3i\gamma}\left(\cos^{7}(\beta)-4i\sin(\beta)\cos^{6}(\beta)-8\sin^{2}(\beta)\cos^{5}(\beta)+8i\sin^{3}(\beta)\cos^{4}(\beta)+8\sin^{4}(\beta)\cos^{3}(\beta)-8i\sin^{5}(\beta)\cos^{2}(\beta)-4\sin^{6}(\beta)\cos^{5}(\beta)+8i\sin^{3}(\beta)\cos^{4}(\beta)+8\sin^{4}(\beta)\cos^{3}(\beta)-8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{4}(\beta)\cos^{5}(\beta)+8i\sin^{4}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)+8i\sin^{5}(\beta)+8i\sin^{5}(\beta)+8i\sin^{5}(\beta)+8i\sin^{5}(\beta)+8i\sin^{5}(\beta)+8i\sin^{5}(\beta)+8i\sin^{5}(\beta)+8i\sin^{5}(\beta)+8i\sin^{5}(\beta)+8i\sin^{5}(\beta)+8i\sin^{5}(\beta)+8i\sin^{5}(\beta)+8i\sin^{5}(
+e^{i\gamma}\left(-2i\sin(\beta)\cos^{6}(\beta)-6\sin^{2}(\beta)\cos^{5}(\beta)+6i\sin^{3}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{3}(\beta)-6i\sin^{5}(\beta)\cos^{2}(\beta)-2\sin^{6}(\beta)\cos(\beta)\right)\left(e^{-i\beta}\cos^{4}(\beta)\cos^{2}(\beta)-6\sin^{2}(\beta)\cos^{2}(\beta)+6i\sin^{3}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{3}(\beta)-6i\sin^{5}(\beta)\cos^{2}(\beta)\right)
 +e^{-3i\gamma}\left(-2i\sin(\beta)\cos^{6}(\beta)-8\sin^{2}(\beta)\cos^{5}(\beta)+11i\sin^{3}(\beta)\cos^{4}(\beta)+11\sin^{4}(\beta)\cos^{3}(\beta)-8i\sin^{5}(\beta)\cos^{2}(\beta)-2\sin^{6}(\beta)\cos(\beta)\right)
 +e^{5i\gamma}\left(-i\sin(\beta)\cos^{6}(\beta)-3\sin^{2}(\beta)\cos^{5}(\beta)+3i\sin^{3}(\beta)\cos^{2}(\beta)+3\sin^{4}(\beta)\cos^{3}(\beta)-3i\sin^{5}(\beta)\cos^{2}(\beta)-\sin^{6}(\beta)\cos(\beta)\right)
 +e^{i\gamma}\left(\cos^{7}(\beta)-4i\sin(\beta)\cos^{6}(\beta)-10\sin^{2}(\beta)\cos^{5}(\beta)+20i\sin^{3}(\beta)\cos^{4}(\beta)+20\sin^{4}(\beta)\cos^{3}(\beta)-10i\sin^{5}(\beta)\cos^{2}(\beta)-4\sin^{6}(\beta)\cos^{6}(\beta)\right)
+e^{i\gamma}\left(-2i\sin(\beta)\cos^{6}(\beta)-3\sin^{2}(\beta)\cos^{5}(\beta)+2i\sin^{3}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{3}(\beta)-3i\sin^{5}(\beta)\cos^{2}(\beta)-2\sin^{6}(\beta)\cos(\beta)\right)\left(e^{-i\beta}\cos^{4}(\beta)\cos^{2}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{3}(\beta)-3\sin^{4}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{4}
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(e^{7i\gamma}(\cos^3(\beta)\sin^4(\beta) - i\cos^4(\beta)\sin^3(\beta))(e^{-5i\gamma}(7\cos^3(\beta)\sin^4(\beta) - 7i\cos^4(\beta)\sin^3(\beta)))
 +e^{-i\gamma}\left(-14\sin^2(\beta)\cos^5(\beta)-21i\sin^3(\beta)\cos^4(\beta)+21\sin^4(\beta)\cos^3(\beta)+14i\sin^5(\beta)\cos^2(\beta)\right)
+e^{3i\gamma}(7i\sin(\beta)\cos^6(\beta)-7\sin^2(\beta)\cos^5(\beta)-7i\sin^3(\beta)\cos^4(\beta)+7\sin^4(\beta)\cos^3(\beta)+7i\sin^5(\beta)\cos^2(\beta)-7\sin^6(\beta)\cos(\beta))
 +e^{7i\gamma}\left(\cos^7(\beta)-i\sin^7(\beta)\right)+e^{-i\gamma}\left(-2\sin^2(\beta)\cos^5(\beta)-5i\sin^3(\beta)\cos^4(\beta)\right)
 +5\sin^4(\beta)\cos^3(\beta) + 2i\sin^5(\beta)\cos^2(\beta) \left(e^{7i\gamma}\left(\cos^3(\beta)\sin^4(\beta) - i\cos^4(\beta)\sin^3(\beta)\right)\right)
 +e^{-5i\gamma}\left(-2\sin^2(\beta)\cos^5(\beta)-5i\sin^3(\beta)\cos^4(\beta)+5\sin^4(\beta)\cos^3(\beta)+2i\sin^5(\beta)\cos^2(\beta)\right)
 +e^{3i\gamma}\left(i\sin(\beta)\cos^{6}(\beta)-7\sin^{2}(\beta)\cos^{5}(\beta)-13i\sin^{3}(\beta)\cos^{4}(\beta)+13\sin^{4}(\beta)\cos^{3}(\beta)+7i\sin^{5}(\beta)\cos^{2}(\beta)-\sin^{6}(\beta)\cos(\beta)\right)
+e^{-i\gamma}\left(\cos^{7}(\beta)+6i\sin(\beta)\cos^{6}(\beta)-12\sin^{2}(\beta)\cos^{5}(\beta)-16i\sin^{3}(\beta)\cos^{4}(\beta)+16\sin^{4}(\beta)\cos^{3}(\beta)+12i\sin^{5}(\beta)\cos^{2}(\beta)-6\sin^{6}(\beta)\cos^{2}(\beta)+16i\sin^{4}(\beta)\cos^{3}(\beta)+16i\sin^{4}(\beta)\cos^{2}(\beta)+16i\sin^{4}(\beta)\cos^{2}(\beta)+16i\sin^{4}(\beta)\cos^{2}(\beta)+16i\sin^{4}(\beta)\cos^{2}(\beta)+16i\sin^{4}(\beta)\cos^{2}(\beta)+16i\sin^{4}(\beta)\cos^{2}(\beta)+16i\sin^{4}(\beta)\cos^{2}(\beta)+16i\sin^{4}(\beta)\cos^{2}(\beta)+16i\sin^{4}(\beta)\cos^{2}(\beta)+16i\sin^{4}(\beta)\cos^{2}(\beta)+16i\sin^{4}(\beta)\cos^{2}(\beta)+16i\sin^{4}(\beta)\cos^{2}(\beta)+16i\sin^{4}(\beta)\cos^{2}(\beta)+16i\sin^{4}(\beta)\cos^{2}(\beta)+16i\sin^{4}(\beta)\cos^{2}(\beta)+16i\sin^{4}(\beta)\cos^{2}(\beta)+16i\sin^{4}(\beta)\cos^{2}(\beta)+16i\sin^{4}(\beta)\cos^{2}(\beta)+16i\sin^{4}(\beta)\cos^{2}(\beta)+16i\sin^{4}(\beta)\cos^{2}(\beta)+16i\sin^{4}(\beta)\cos^{2}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)+16i\sin^{4}(\beta)+16i\sin^{4}(\beta)+16i\sin^{4}(\beta)+16i\sin^{4}(\beta)+16i\sin^{4}(\beta)+16i\sin^{4}(\beta)+16i\sin^{4}(\beta)+16i\sin^{4}(\beta)+16i\sin^{4}(\beta)+16i\sin^{4}(\beta)+16
 +e^{3i\gamma}(-\sin^2(\beta)\cos^5(\beta)-6i\sin^3(\beta)\cos^4(\beta)+6\sin^4(\beta)\cos^3(\beta)
 +i\sin^5(\beta)\cos^2(\beta)) \left(e^{7i\gamma}\left(i\cos^2(\beta)\sin^5(\beta)-\cos^5(\beta)\sin^2(\beta)\right)\right)
+e^{-5i\gamma}\left(-\sin^2(\beta)\cos^5(\beta)-6i\sin^3(\beta)\cos^4(\beta)+6\sin^4(\beta)\cos^3(\beta)+i\sin^5(\beta)\cos^2(\beta)\right)
 +e^{-i\gamma} \left(3i\sin(\beta)\cos^6(\beta)-14\sin^2(\beta)\cos^5(\beta)-18i\sin^3(\beta)\cos^4(\beta)+18\sin^4(\beta)\cos^3(\beta)+14i\sin^5(\beta)\cos^2(\beta)-3\sin^6(\beta)\cos(\beta)\right)
 +e^{3i\gamma}\left(\cos^{7}(\beta)+4i\sin(\beta)\cos^{6}(\beta)-5\sin^{2}(\beta)\cos^{5}(\beta)-11i\sin^{3}(\beta)\cos^{4}(\beta)+11\sin^{4}(\beta)\cos^{3}(\beta)+5i\sin^{5}(\beta)\cos^{2}(\beta)-4\sin^{6}(\beta)\cos^{2}(\beta)\right)
 + e^{3i\gamma} \left( -2\sin^2(\beta)\cos^5(\beta) - 5i\sin^3(\beta)\cos^4(\beta) + 5\sin^4(\beta)\cos^3(\beta) \right)
+2i\sin^5(\beta)\cos^2(\beta)) \left(e^{7i\gamma}\left(\cos^3(\beta)\sin^4(\beta)-i\cos^4(\beta)\sin^3(\beta)\right)\right)
 +e^{-5i\gamma}\left(-2\sin^2(\beta)\cos^5(\beta)-5i\sin^3(\beta)\cos^4(\beta)+5\sin^4(\beta)\cos^3(\beta)+2i\sin^5(\beta)\cos^2(\beta)\right)
+e^{-i\gamma}(3i\sin(\beta)\cos^6(\beta)-11\sin^2(\beta)\cos^5(\beta)-21i\sin^3(\beta)\cos^4(\beta)+21\sin^4(\beta)\cos^3(\beta)+11i\sin^5(\beta)\cos^2(\beta)-3\sin^6(\beta)\cos(\beta)
+e^{3i\gamma}(\cos^7(\beta)+4i\sin(\beta)\cos^6(\beta)-8\sin^2(\beta)\cos^5(\beta)-8i\sin^3(\beta)\cos^4(\beta)+8\sin^4(\beta)\cos^3(\beta)+8i\sin^5(\beta)\cos^2(\beta)-4\sin^6(\beta)\cos^6(\beta)
 +e^{-i\gamma}\left(2i\sin(\beta)\cos^{6}(\beta)-6\sin^{2}(\beta)\cos^{5}(\beta)-6i\sin^{3}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{3}(\beta)+6i\sin^{5}(\beta)\cos^{2}(\beta)-2\sin^{6}(\beta)\cos(\beta)\right)\left(e^{7i\beta}\cos^{2}(\beta)-6\sin^{2}(\beta)\cos^{2}(\beta)-6\sin^{2}(\beta)\cos^{2}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{3}(\beta)+6\sin^{4}(\beta)\cos^{2}(\beta)+6\sin^{4}(\beta)\cos^{2}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+6\sin^{
 +e^{3i\gamma}\left(2i\sin(\beta)\cos^{6}(\beta)-8\sin^{2}(\beta)\cos^{5}(\beta)-11i\sin^{3}(\beta)\cos^{4}(\beta)+11\sin^{4}(\beta)\cos^{3}(\beta)+8i\sin^{5}(\beta)\cos^{2}(\beta)-2\sin^{6}(\beta)\cos(\beta)\right)
 +e^{-5i\gamma}\left(i\sin(\beta)\cos^{6}(\beta)-3\sin^{2}(\beta)\cos^{5}(\beta)-3i\sin^{3}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{3}(\beta)+3i\sin^{5}(\beta)\cos^{2}(\beta)-\sin^{6}(\beta)\cos(\beta)\right)
 +e^{-i\gamma}\left(\cos^{7}(\beta)+4i\sin(\beta)\cos^{6}(\beta)-10\sin^{2}(\beta)\cos^{5}(\beta)-20i\sin^{3}(\beta)\cos^{4}(\beta)+20\sin^{4}(\beta)\cos^{3}(\beta)+10i\sin^{5}(\beta)\cos^{2}(\beta)-4\sin^{6}(\beta)\cos^{6}(\beta)+20\sin^{4}(\beta)\cos^{6}(\beta)+10i\sin^{5}(\beta)\cos^{6}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\sin^{5}(\beta)+10i\sin^{5}(\beta)\sin^{5}(\beta)+10i\sin^{5}(\beta)\sin^{5}(\beta)+10i\sin^{5}(\beta)+10i\sin^{5}(\beta)+10i\sin^{5}(\beta)+10i\sin^{5}(\beta)+10i\sin^{5}(\beta)+10i\sin^{5}(\beta)+10i\sin^{5}(\beta)+10i\sin^{5}(\beta)+10i\sin^{5}(\beta)+10i\sin^{5}(\beta)+10i\sin^{5}(\beta)+10i
 +e^{-i\gamma}\left(i\sin(\beta)\cos^{6}(\beta)-2\sin^{2}(\beta)\cos^{5}(\beta)-4i\sin^{3}(\beta)\cos^{4}(\beta)+4\sin^{4}(\beta)\cos^{3}(\beta)+2i\sin^{5}(\beta)\cos^{2}(\beta)-\sin^{6}(\beta)\cos(\beta)\right)\left(e^{7i\gamma}\left(i\sin(\beta)\cos^{6}(\beta)-2\sin^{2}(\beta)\cos^{5}(\beta)-4i\sin^{3}(\beta)\cos^{4}(\beta)+4\sin^{4}(\beta)\cos^{3}(\beta)+2i\sin^{5}(\beta)\cos^{2}(\beta)-\sin^{6}(\beta)\cos(\beta)\right)\right)
 +e^{3i\gamma}\left(2i\sin(\beta)\cos^{6}(\beta)-5\sin^{2}(\beta)\cos^{5}(\beta)-14i\sin^{3}(\beta)\cos^{4}(\beta)+14\sin^{4}(\beta)\cos^{3}(\beta)+5i\sin^{5}(\beta)\cos^{2}(\beta)-2\sin^{6}(\beta)\cos(\beta)\right)
+e^{-5i\gamma}\left(i\sin(\beta)\cos^{6}(\beta)-2\sin^{2}(\beta)\cos^{5}(\beta)-4i\sin^{3}(\beta)\cos^{4}(\beta)+4\sin^{4}(\beta)\cos^{3}(\beta)+2i\sin^{5}(\beta)\cos^{2}(\beta)-\sin^{6}(\beta)\cos(\beta)\right)
 +e^{-i\gamma}\left(\cos^{7}(\beta)+4i\sin(\beta)\cos^{6}(\beta)-13\sin^{2}(\beta)\cos^{5}(\beta)-17i\sin^{3}(\beta)\cos^{4}(\beta)+17\sin^{4}(\beta)\cos^{3}(\beta)+13i\sin^{5}(\beta)\cos^{2}(\beta)-4\sin^{6}(\beta)\cos^{6}(\beta)\right)
 +e^{-5i\gamma}\left(\cos^{7}(\beta)+2i\sin(\beta)\cos^{6}(\beta)-2\sin^{2}(\beta)\cos^{5}(\beta)-2i\sin^{3}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{3}(\beta)+2i\sin^{5}(\beta)\cos^{2}(\beta)\right)
  -2\sin^{6}(\beta)\cos(\beta)-i\sin^{7}(\beta))\left(e^{7i\gamma}\left(\cos^{3}(\beta)\sin^{4}(\beta)-i\cos^{4}(\beta)\sin^{3}(\beta)\right)+e^{3i\gamma}\left(-6\sin^{2}(\beta)\cos^{5}(\beta)-15i\sin^{3}(\beta)\cos^{4}(\beta)+15\sin^{2}(\beta)\cos^{4}(\beta)+15\sin^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)+15\sin^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{
 +e^{-i\gamma} \left(5i\sin(\beta)\cos^{6}(\beta)-13\sin^{2}(\beta)\cos^{5}(\beta)-17i\sin^{3}(\beta)\cos^{4}(\beta)+17\sin^{4}(\beta)\cos^{3}(\beta)+13i\sin^{5}(\beta)\cos^{2}(\beta)-5\sin^{6}(\beta)\cos(\beta)\right)
 +e^{-5i\gamma}(\cos^7(\beta)+2i\sin(\beta)\cos^6(\beta)-2\sin^2(\beta)\cos^5(\beta)-2i\sin^3(\beta)\cos^4(\beta)+2\sin^4(\beta)\cos^3(\beta)+2i\sin^5(\beta)\cos^2(\beta)-2\sin^6(\beta)\cos^6(\beta)
+e^{3i\gamma}\left(-3\sin^2(\beta)\cos^5(\beta)-4i\sin^3(\beta)\cos^4(\beta)+4\sin^4(\beta)\cos^3(\beta)+3i\sin^5(\beta)\cos^2(\beta)\right)\left(e^{-5i\gamma}\left(-3\sin^2(\beta)\cos^5(\beta)-4i\sin^3(\beta)\cos^4(\beta)+4\sin^4(\beta)\cos^3(\beta)+3i\sin^5(\beta)\cos^2(\beta)\right)\right)
 +e^{-i\gamma}\left(4i\sin(\beta)\cos^{6}(\beta)-9\sin^{2}(\beta)\cos^{5}(\beta)-22i\sin^{3}(\beta)\cos^{4}(\beta)+22\sin^{4}(\beta)\cos^{3}(\beta)+9i\sin^{5}(\beta)\cos^{2}(\beta)-4\sin^{6}(\beta)\cos(\beta)\right)
 +e^{7i\gamma}\left(i\cos^{6}(\beta)\sin(\beta)-\cos(\beta)\sin^{6}(\beta)\right)+e^{3i\gamma}\left(\cos^{7}(\beta)+2i\sin(\beta)\cos^{6}(\beta)-9\sin^{2}(\beta)\cos^{5}(\beta)-9i\sin^{3}(\beta)\cos^{4}(\beta)+9\sin^{4}(\beta)\cos^{2}(\beta)+2i\sin(\beta)\cos^{6}(\beta)\sin^{6}(\beta)\cos^{6}(\beta)\sin^{6}(\beta)\cos^{6}(\beta)\sin^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta
+e^{-i\gamma}\left(2i\sin(\beta)\cos^{6}(\beta)-3\sin^{2}(\beta)\cos^{5}(\beta)-2i\sin^{3}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{3}(\beta)+3i\sin^{5}(\beta)\cos^{2}(\beta)-2\sin^{6}(\beta)\cos(\beta)\right)\left(e^{7i\beta}+e^{-i\gamma}\left(2i\sin(\beta)\cos^{6}(\beta)-3\sin^{2}(\beta)\cos^{5}(\beta)-2i\sin^{3}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{3}(\beta)+3i\sin^{5}(\beta)\cos^{2}(\beta)-2\sin^{6}(\beta)\cos(\beta)\right)\right)
 +e^{3i\gamma}(3i\sin(\beta)\cos^6(\beta)-6\sin^2(\beta)\cos^5(\beta)-12i\sin^3(\beta)\cos^4(\beta)+12\sin^4(\beta)\cos^3(\beta)+6i\sin^5(\beta)\cos^2(\beta)-3\sin^6(\beta)\cos(\beta))
 +e^{-5i\gamma}\left(2i\sin(\beta)\cos^{6}(\beta)-3\sin^{2}(\beta)\cos^{5}(\beta)-2i\sin^{3}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{3}(\beta)+3i\sin^{5}(\beta)\cos^{2}(\beta)-2\sin^{6}(\beta)\cos(\beta)\right)
+e^{-i\gamma}(\cos^7(\beta)+2i\sin(\beta)\cos^6(\beta)-11\sin^2(\beta)\cos^5(\beta)-21i\sin^3(\beta)\cos^4(\beta)+21\sin^4(\beta)\cos^3(\beta)+11i\sin^5(\beta)\cos^2(\beta)-2\sin^6(\beta)
    \left(e^{-7i\gamma}\left(i\sin^{3}(\beta)\cos^{4}(\beta)+\sin^{4}(\beta)\cos^{3}(\beta)\right)\left(e^{5i\gamma}\left(7i\sin^{3}(\beta)\cos^{4}(\beta)+7\sin^{4}(\beta)\cos^{3}(\beta)\right)+e^{i\gamma}\left(-14\sin^{2}(\beta)\cos^{5}(\beta)+21i\sin^{3}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta)\cos^{4}(\beta)+3\sin^{4}(\beta
 +e^{-3i\gamma}\left(-7i\sin(\beta)\cos^{6}(\beta)-7\sin^{2}(\beta)\cos^{5}(\beta)+7i\sin^{3}(\beta)\cos^{4}(\beta)+7\sin^{4}(\beta)\cos^{3}(\beta)-7i\sin^{5}(\beta)\cos^{2}(\beta)-7\sin^{6}(\beta)\cos(\beta)\right)
 +e^{-7i\gamma}\left(\cos^{7}(\beta)+i\sin^{7}(\beta)\right)+e^{i\gamma}\left(-2\sin^{2}(\beta)\cos^{5}(\beta)+5i\sin^{3}(\beta)\cos^{4}(\beta)+5\sin^{4}(\beta)\cos^{3}(\beta)-2i\sin^{5}(\beta)\cos^{2}(\beta)\right)\left(e^{-7i\gamma}\left(i\sin^{2}(\beta)\cos^{2}(\beta)+i\sin^{2}(\beta)\cos^{2}(\beta)+i\sin^{2}(\beta)\cos^{2}(\beta)+i\sin^{2}(\beta)\cos^{2}(\beta)+i\sin^{2}(\beta)\cos^{2}(\beta)+i\sin^{2}(\beta)\cos^{2}(\beta)+i\sin^{2}(\beta)\cos^{2}(\beta)+i\sin^{2}(\beta)\cos^{2}(\beta)+i\sin^{2}(\beta)\cos^{2}(\beta)+i\sin^{2}(\beta)\cos^{2}(\beta)+i\sin^{2}(\beta)\cos^{2}(\beta)+i\sin^{2}(\beta)\cos^{2}(\beta)+i\sin^{2}(\beta)\cos^{2}(\beta)+i\sin^{2}(\beta)\cos^{2}(\beta)+i\sin^{2}(\beta)\cos^{2}(\beta)+i\sin^{2}(\beta)\cos^{2}(\beta)+i\sin^{2}(\beta)\cos^{2}(\beta)+i\sin^{2}(\beta)\cos^{2}(\beta)+i\sin^{2}(\beta)\cos^{2}(\beta)+i\sin^{2}(\beta)\cos^{2}(\beta)+i\sin^{2}(\beta)\cos^{2}(\beta)+i\sin^{2}(\beta)\cos^{2}(\beta)+i\sin^{2}(\beta)\cos^{2}(\beta)+i\sin^{2}(\beta)\cos^{2}(\beta)+i\sin^{2}(\beta)\cos^{2}(\beta)+i\sin^{2}(\beta)\cos^{2}(\beta)+i\sin^{2}(\beta)\cos^{2}(\beta)+i\sin^{2}(\beta)\cos^{2}(\beta)+i\sin^{2}(\beta)\cos^{2}(\beta)+i\sin^{2}(\beta)\cos^{2}(\beta)+i\sin^{2}(\beta)\cos^{2}(\beta)+i\sin^{2}(\beta)\cos^{2}(\beta)+i\sin^{2}(\beta)\cos^{2}(\beta)+i\sin^{2}(\beta)\cos^{2}(\beta)+i\sin^{2}(\beta)\cos^{2}(\beta)+i\sin^{2}(\beta)\cos^{2}(\beta)+i\sin^{2}(\beta)\cos^{2}(\beta)+i\sin^{2}(\beta)\cos^{2}(\beta)+i\sin^{2}(\beta)\cos^{2}(\beta)+i\sin^{2}(\beta)\cos^{2}(\beta)+i\sin^{2}(\beta)\cos^{2}(\beta)+i\sin^{2}(\beta)\cos^{2}(\beta)+i\sin^{2}(\beta)\cos^{2}(\beta)+i\sin^{2}(\beta)\cos^{2}(\beta)+i\sin^{2}(\beta)\cos^{2}(\beta)+i\sin^{2}(\beta)\cos^{2}(\beta)+i\sin^{2}(\beta)\cos^{2}(\beta)+i\sin^{2}(\beta)\cos^{2}(\beta)+i\sin^{2}(\beta)\cos^{2}(\beta)+i\sin^{2}(\beta)\sin^{2}(\beta)\cos^{2}(\beta)+i\sin^{2}(\beta)\cos^{2}(\beta)+i\sin^{2}(\beta)\cos^{2}(\beta)+i\sin^{2}(\beta)\cos^{2}(\beta)+i\sin^{2}(\beta)\cos^{2}(\beta)+i\sin^{2}(\beta)\cos^{2}(\beta)+i\sin^{2}(\beta)\cos^{2}(\beta)+i\sin^{2}(\beta)\cos^{2}(\beta)+i\sin^{2}(\beta)\cos^{2}(\beta)+i\sin^{2}(\beta)\cos^{2}(\beta)+i\sin^{2}(\beta)\cos^{2}(\beta)+i\sin^{2}(\beta)\cos^{2}(\beta)+i\sin^{2}(\beta)\cos^{2}(\beta)+i\sin^{2}(\beta)\cos^{2}(\beta)+i\sin^{2}(\beta)\cos^{2}(\beta)+i\sin^{2}(\beta)\cos^{2}(\beta)+i\sin^{2}(\beta)\cos^{2}(\beta)+i\sin^{2}(\beta)\cos^{2}(\beta)+i\sin^{2}(\beta)\cos^{2}(\beta)+i\sin^{2}(\beta)\cos^{2}(\beta)+i\sin^{2}(\beta)\cos^{2}(\beta)+i\sin^{2}(\beta)\cos^{2}(\beta)+i\sin^{2}(\beta)\cos^{2}(\beta)+i\sin^{2}(\beta)\cos^{2}(\beta)+i\sin^{2}(\beta)\cos^{2}(\beta)+i\sin^{2}(\beta)\cos^{2}(\beta)+i\sin^{2}(\beta)\cos^{2}(\beta)+i\sin^{2}(\beta)\cos^{2}(\beta)+i\sin^{2}(\beta)\cos^{2}(\beta)+i\sin^{2}(\beta)\cos^{2}(\beta)+i\sin^{2}(\beta)\cos^{2}(\beta)+i\sin^{2}(\beta)\cos^{2}(\beta)+i\sin^{2}(\beta)\cos^{2}(\beta)+i\sin^{2}(\beta)\cos^{2}(\beta)+i\sin^{2}(\beta)\cos^{2}(\beta)+i\sin^{2}(\beta)\cos^{2}(\beta)+i\sin^{2}(\beta)\cos^{2}(\beta)+i\sin^{2}(\beta)\cos^{2}(\beta)+i\sin^{2}(\beta)\cos^{2}(\beta)+i\sin^{2}(\beta)\cos^{2}(\beta)+i\sin^{2}(\beta)\cos^{2}(\beta)+i\sin^{2}(\beta)\cos^{2}(\beta)+i\sin^{2}(\beta)\cos^{2}(\beta)+i\sin^{2}(\beta)\cos^{2}(\beta)+i\sin^{2}(\beta)\cos^{2}(\beta)+i\sin^{2}(\beta)\cos^{2}(\beta)+i\sin^{2}(\beta)\cos^{2}(\beta)+i\sin^{2}(\beta)\cos^{2}(\beta)+i\sin^{2}(\beta)\cos^{2}(\beta)+i\sin^{2}(\beta)\cos^{2}(\beta)+i\cos^{2}(\beta)+i\cos^{2}(\beta)+i\cos^{2}(\beta)+i\cos^{2}(\beta)+i\cos^{2}(\beta)+i\cos^{2}(\beta)+i\cos^{2}(\beta)+i\cos^{2}(\beta)+i\cos^{2}(\beta)+i\cos^{2}(\beta)+i\cos^{2}(\beta)+i\cos^{2}(\beta)+i\cos^{2}
 +e^{5i\gamma}\left(-2\sin^2(\beta)\cos^5(\beta)+5i\sin^3(\beta)\cos^4(\beta)+5\sin^4(\beta)\cos^3(\beta)-2i\sin^5(\beta)\cos^2(\beta)\right)+e^{-3i\gamma}\left(-i\sin(\beta)\cos^6(\beta)-7\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)\cos^2(\beta)+6\sin^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2
+e^{i\gamma}\left(\cos^{7}(\beta)-6i\sin(\beta)\cos^{6}(\beta)-12\sin^{2}(\beta)\cos^{5}(\beta)+16i\sin^{3}(\beta)\cos^{4}(\beta)+16\sin^{4}(\beta)\cos^{3}(\beta)-12i\sin^{5}(\beta)\cos^{2}(\beta)-6\sin^{6}(\beta)\cos^{6}(\beta)\right)
 +e^{-3i\gamma}\left(-\sin^2(\beta)\cos^5(\beta)+6i\sin^3(\beta)\cos^4(\beta)+6\sin^4(\beta)\cos^3(\beta)-i\sin^5(\beta)\cos^2(\beta)\right)\left(e^{-7i\gamma}\left(-\sin^2(\beta)\cos^5(\beta)-i\sin^5(\beta)\cos^5(\beta)+6i\sin^5(\beta)\cos^5(\beta)+6i\sin^5(\beta)\cos^5(\beta)+6i\sin^5(\beta)\cos^5(\beta)+6i\sin^5(\beta)\cos^5(\beta)+6i\sin^5(\beta)\cos^5(\beta)+6i\sin^5(\beta)\cos^5(\beta)+6i\sin^5(\beta)\cos^5(\beta)+6i\sin^5(\beta)\cos^5(\beta)+6i\sin^5(\beta)\cos^5(\beta)+6i\sin^5(\beta)\cos^5(\beta)+6i\sin^5(\beta)\cos^5(\beta)+6i\sin^5(\beta)\cos^5(\beta)+6i\sin^5(\beta)\cos^5(\beta)+6i\sin^5(\beta)\cos^5(\beta)+6i\sin^5(\beta)\cos^5(\beta)+6i\sin^5(\beta)\cos^5(\beta)+6i\sin^5(\beta)\cos^5(\beta)+6i\sin^5(\beta)\cos^5(\beta)+6i\sin^5(\beta)\cos^5(\beta)+6i\sin^5(\beta)\cos^5(\beta)+6i\sin^5(\beta)\cos^5(\beta)+6i\sin^5(\beta)\cos^5(\beta)+6i\sin^5(\beta)\cos^5(\beta)+6i\sin^5(\beta)\cos^5(\beta)+6i\sin^5(\beta)\cos^5(\beta)+6i\sin^5(\beta)\cos^5(\beta)+6i\sin^5(\beta)\cos^5(\beta)+6i\sin^5(\beta)\cos^5(\beta)+6i\sin^5(\beta)\cos^5(\beta)+6i\sin^5(\beta)\cos^5(\beta)+6i\sin^5(\beta)\cos^5(\beta)+6i\sin^5(\beta)\cos^5(\beta)+6i\sin^5(\beta)\cos^5(\beta)+6i\sin^5(\beta)\cos^5(\beta)+6i\sin^5(\beta)\cos^5(\beta)+6i\sin^5(\beta)\cos^5(\beta)+6i\sin^5(\beta)\cos^5(\beta)+6i\sin^5(\beta)\cos^5(\beta)+6i\sin^5(\beta)\cos^5(\beta)+6i\sin^5(\beta)\cos^5(\beta)+6i\sin^5(\beta)\cos^5(\beta)+6i\sin^5(\beta)\cos^5(\beta)+6i\sin^5(\beta)\cos^5(\beta)+6i\sin^5(\beta)\cos^5(\beta)+6i\sin^5(\beta)\cos^5(\beta)+6i\sin^5(\beta)\cos^5(\beta)+6i\sin^5(\beta)\cos^5(\beta)+6i\sin^5(\beta)\cos^5(\beta)+6i\sin^5(\beta)\cos^5(\beta)+6i\sin^5(\beta)\cos^5(\beta)+6i\sin^5(\beta)\cos^5(\beta)+6i\sin^5(\beta)\cos^5(\beta)+6i\sin^5(\beta)\cos^5(\beta)+6i\sin^5(\beta)\cos^5(\beta)+6i\sin^5(\beta)\cos^5(\beta)+6i\sin^5(\beta)\cos^5(\beta)+6i\sin^5(\beta)\cos^5(\beta)+6i\sin^5(\beta)\cos^5(\beta)+6i\sin^5(\beta)\cos^5(\beta)+6i\sin^5(\beta)\cos^5(\beta)+6i\sin^5(\beta)\cos^2(\beta)+6i\sin^5(\beta)\cos^5(\beta)+6i\sin^5(\beta)\cos^5(\beta)+6i\sin^5(\beta)\cos^5(\beta)+6i\sin^5(\beta)\cos^5(\beta)+6i\sin^5(\beta)\cos^5(\beta)+6i\sin^5(\beta)\cos^5(\beta)+6i\sin^5(\beta)\cos^5(\beta)+6i\sin^5(\beta)\cos^5(\beta)+6i\sin^5(\beta)\cos^5(\beta)+6i\sin^5(\beta)\cos^5(\beta)+6i\sin^5(\beta)\cos^5(\beta)+6i\sin^5(\beta)\cos^5(\beta)+6i\sin^5(\beta)\cos^5(\beta)+6i\sin^5(\beta)\cos^5(\beta)+6i\sin^5(\beta)\cos^5(\beta)+6i\sin^5(\beta)\cos^5(\beta)+6i\sin^5(\beta)\cos^5(\beta)+6i\sin^5(\beta)\cos^5(\beta)+6i\sin^5(\beta)\cos^2(\beta)+6i\sin^2(\beta)\cos^2(\beta)+6i\sin^2(\beta)\cos^2(\beta)+6i\sin^2(\beta)\cos^2(\beta)+6i\sin^2(\beta)\cos^2(\beta)
+e^{5i\gamma}\left(-\sin^2(\beta)\cos^5(\beta)+6i\sin^3(\beta)\cos^4(\beta)+6\sin^4(\beta)\cos^3(\beta)-i\sin^5(\beta)\cos^2(\beta)\right)+e^{i\gamma}\left(-3i\sin(\beta)\cos^6(\beta)-14\sin^2(\beta)\cos^5(\beta)+6i\sin^4(\beta)\cos^4(\beta)+6\sin^4(\beta)\cos^3(\beta)-i\sin^5(\beta)\cos^2(\beta)\right)
+e^{-3i\gamma}\left(\cos^{7}(\beta)-4i\sin(\beta)\cos^{6}(\beta)-5\sin^{2}(\beta)\cos^{5}(\beta)+11i\sin^{3}(\beta)\cos^{4}(\beta)+11\sin^{4}(\beta)\cos^{3}(\beta)-5i\sin^{5}(\beta)\cos^{2}(\beta)-4\sin^{6}(\beta)\cos^{5}(\beta)\right)
+e^{-3i\gamma}\left(-2\sin^2(\beta)\cos^5(\beta)+5i\sin^3(\beta)\cos^4(\beta)+5\sin^4(\beta)\cos^3(\beta)-2i\sin^5(\beta)\cos^2(\beta)\right)\left(e^{-7i\gamma}\left(i\sin^3(\beta)\cos^4(\beta)+\sin^4(\beta)\cos^4(\beta)+\sin^4(\beta)\cos^3(\beta)+\sin^4(\beta)\cos^2(\beta)\right)\right)
 +e^{5i\gamma}\left(-2\sin^2(\beta)\cos^5(\beta)+5i\sin^3(\beta)\cos^4(\beta)+5\sin^4(\beta)\cos^3(\beta)-2i\sin^5(\beta)\cos^2(\beta)\right)+e^{i\gamma}\left(-3i\sin(\beta)\cos^6(\beta)-11\sin^2(\beta)\cos^2(\beta)\cos^2(\beta)+2i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)+3i\sin^2(\beta)\cos^2(\beta)
+e^{-3i\gamma}\left(\cos^{7}(\beta)-4i\sin(\beta)\cos^{6}(\beta)-8\sin^{2}(\beta)\cos^{5}(\beta)+8i\sin^{3}(\beta)\cos^{4}(\beta)+8\sin^{4}(\beta)\cos^{3}(\beta)-8i\sin^{5}(\beta)\cos^{2}(\beta)-4\sin^{6}(\beta)\cos^{5}(\beta)+8i\sin^{3}(\beta)\cos^{4}(\beta)+8\sin^{4}(\beta)\cos^{3}(\beta)-8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{4}(\beta)\cos^{5}(\beta)+8i\sin^{4}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)+8i\sin^{5}(\beta)+8i\sin^{5}(\beta)+8i\sin^{5}(\beta)+8i\sin^{5}(\beta)+8i\sin^{5}(\beta)+8i\sin^{5}(\beta)+8i\sin^{5}(\beta)+8i\sin^{5}(\beta)+8i\sin^{5}(\beta)+8i\sin^{5}(\beta)+8i\sin^{5}(\beta)+8i\sin^{5}(\beta)+8i\sin^{5}(
+e^{i\gamma}\left(-2i\sin(\beta)\cos^{6}(\beta)-6\sin^{2}(\beta)\cos^{5}(\beta)+6i\sin^{3}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{3}(\beta)-6i\sin^{5}(\beta)\cos^{2}(\beta)-2\sin^{6}(\beta)\cos(\beta)\right)\left(e^{-i\beta}\cos^{4}(\beta)\cos^{2}(\beta)-6\sin^{2}(\beta)\cos^{2}(\beta)+6i\sin^{3}(\beta)\cos^{4}(\beta)+6\sin^{4}(\beta)\cos^{3}(\beta)-6i\sin^{5}(\beta)\cos^{2}(\beta)\right)
 +e^{-3i\gamma}\left(-2i\sin(\beta)\cos^{6}(\beta)-8\sin^{2}(\beta)\cos^{5}(\beta)+11i\sin^{3}(\beta)\cos^{4}(\beta)+11\sin^{4}(\beta)\cos^{3}(\beta)-8i\sin^{5}(\beta)\cos^{2}(\beta)-2\sin^{6}(\beta)\cos(\beta)\right)
 +e^{5i\gamma}\left(-i\sin(\beta)\cos^{6}(\beta)-3\sin^{2}(\beta)\cos^{5}(\beta)+3i\sin^{3}(\beta)\cos^{2}(\beta)+3\sin^{4}(\beta)\cos^{3}(\beta)-3i\sin^{5}(\beta)\cos^{2}(\beta)-\sin^{6}(\beta)\cos(\beta)\right)
+e^{i\gamma}\left(\cos^{7}(\beta)-4i\sin(\beta)\cos^{6}(\beta)-10\sin^{2}(\beta)\cos^{5}(\beta)+20i\sin^{3}(\beta)\cos^{4}(\beta)+20\sin^{4}(\beta)\cos^{3}(\beta)-10i\sin^{5}(\beta)\cos^{2}(\beta)-4\sin^{6}(\beta)\cos^{6}(\beta)\right)
+e^{i\gamma}\left(-i\sin(\beta)\cos^{6}(\beta)-2\sin^{2}(\beta)\cos^{5}(\beta)+4i\sin^{3}(\beta)\cos^{4}(\beta)+4\sin^{4}(\beta)\cos^{3}(\beta)-2i\sin^{5}(\beta)\cos^{2}(\beta)-\sin^{6}(\beta)\cos(\beta)\right)\left(e^{-7i\gamma}\cos^{6}(\beta)-2\sin^{6}(\beta)\cos^{6}(\beta)-2\sin^{6}(\beta)\cos^{6}(\beta)+4i\sin^{3}(\beta)\cos^{4}(\beta)+4\sin^{4}(\beta)\cos^{3}(\beta)-2i\sin^{5}(\beta)\cos^{6}(\beta)-\sin^{6}(\beta)\cos^{6}(\beta)\right)
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(4\cos^4(\beta)(\cos^8(\beta) + 8i\sin(\beta)\cos^7(\beta) - 20\sin^2(\beta)\cos^6(\beta) - 24i\sin^3(\beta)\cos^5(\beta))
+2e^{-8i\gamma}\sin^4(\beta)\cos^4(\beta) + 2e^{8i\gamma}\sin^4(\beta)\cos^4(\beta) + 34\sin^4(\beta)\cos^4(\beta)
+24i\sin^{5}(\beta)\cos^{3}(\beta) - 20\sin^{6}(\beta)\cos^{2}(\beta) - 8i\sin^{7}(\beta)\cos(\beta) + \sin^{8}(\beta)
 +e^{-4i\gamma}\left(-4\sin^2(\beta)\cos^6(\beta)-16i\sin^3(\beta)\cos^5(\beta)+16\sin^4(\beta)\cos^4(\beta)+16i\sin^5(\beta)\cos^3(\beta)-4\sin^6(\beta)\cos^2(\beta)\right)
 +e^{4i\gamma}\left(-4\sin^2(\beta)\cos^6(\beta)-16i\sin^3(\beta)\cos^5(\beta)+16\sin^4(\beta)\cos^4(\beta)+16i\sin^5(\beta)\cos^3(\beta)-4\sin^6(\beta)\cos^2(\beta)\right)\sin^4(\beta)
+16\cos^4(\beta)(\cos^8(\beta)+6i\sin(\beta)\cos^7(\beta)-16\sin^2(\beta)\cos^6(\beta)-26i\sin^3(\beta)\cos^5(\beta)
 +2e^{-8i\gamma}\sin^4(\beta)\cos^4(\beta) + 2e^{8i\gamma}\sin^4(\beta)\cos^4(\beta) + 42\sin^4(\beta)\cos^4(\beta)
 +26i\sin^{5}(\beta)\cos^{3}(\beta)-16\sin^{6}(\beta)\cos^{2}(\beta)-6i\sin^{7}(\beta)\cos(\beta)+\sin^{8}(\beta)
+e^{-4i\gamma}\left(i\sin(\beta)\cos^{7}(\beta)-6\sin^{2}(\beta)\cos^{6}(\beta)-15i\sin^{3}(\beta)\cos^{5}(\beta)+12\sin^{4}(\beta)\cos^{4}(\beta)+15i\sin^{5}(\beta)\cos^{3}(\beta)-6\sin^{6}(\beta)\cos^{2}(\beta)+12\sin^{4}(\beta)\cos^{4}(\beta)+15i\sin^{5}(\beta)\cos^{3}(\beta)+12\sin^{4}(\beta)\cos^{4}(\beta)+15i\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{4}(\beta)\cos^{5}(\beta)+12\sin^{4}(\beta)\cos^{5}(\beta)+12\sin^{4}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)+12\sin^{5}(\beta)+
+e^{4i\gamma}\left(i\sin(\beta)\cos^{7}(\beta)-6\sin^{2}(\beta)\cos^{6}(\beta)-15i\sin^{3}(\beta)\cos^{5}(\beta)+12\sin^{4}(\beta)\cos^{4}(\beta)+15i\sin^{5}(\beta)\cos^{3}(\beta)-6\sin^{6}(\beta)\cos^{2}(\beta)-15i\sin^{3}(\beta)\cos^{5}(\beta)+12\sin^{4}(\beta)\cos^{4}(\beta)+15i\sin^{5}(\beta)\cos^{3}(\beta)-6\sin^{6}(\beta)\cos^{2}(\beta)-15i\sin^{3}(\beta)\cos^{5}(\beta)+12\sin^{4}(\beta)\cos^{4}(\beta)+15i\sin^{5}(\beta)\cos^{3}(\beta)+12\sin^{4}(\beta)\cos^{5}(\beta)+12\sin^{4}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin
 +16\cos^{4}(\beta)(\cos^{8}(\beta)+4i\sin(\beta)\cos^{7}(\beta)-15\sin^{2}(\beta)\cos^{6}(\beta)-28i\sin^{3}(\beta)\cos^{5}(\beta)
+2e^{8i\gamma}\sin^4(\beta)\cos^4(\beta) + 44\sin^4(\beta)\cos^4(\beta) + 28i\sin^5(\beta)\cos^3(\beta) - 15\sin^6(\beta)\cos^2(\beta)
 -4i\sin^{7}(\beta)\cos(\beta) + \sin^{8}(\beta) + e^{-8i\gamma} \left( -\sin^{2}(\beta)\cos^{6}(\beta) - \sin^{6}(\beta)\cos^{2}(\beta) \right)
+e^{4i\gamma} \left(2i\sin(\beta)\cos^{7}(\beta)-7\sin^{2}(\beta)\cos^{6}(\beta)-14i\sin^{3}(\beta)\cos^{5}(\beta)+10\sin^{4}(\beta)\cos^{4}(\beta)+14i\sin^{5}(\beta)\cos^{3}(\beta)-7\sin^{6}(\beta)\cos^{2}(\beta)+14i\sin^{2}(\beta)\cos^{2}(\beta)+14i\sin^{2}(\beta)\cos^{2}(\beta)+14i\sin^{2}(\beta)\cos^{2}(\beta)+14i\sin^{2}(\beta)\cos^{2}(\beta)+14i\sin^{2}(\beta)\cos^{2}(\beta)+14i\sin^{2}(\beta)\cos^{2}(\beta)+14i\sin^{2}(\beta)\cos^{2}(\beta)+14i\sin^{2}(\beta)\cos^{2}(\beta)+14i\sin^{2}(\beta)\cos^{2}(\beta)+14i\sin^{2}(\beta)\cos^{2}(\beta)+14i\sin^{2}(\beta)\cos^{2}(\beta)+14i\sin^{2}(\beta)\cos^{2}(\beta)+14i\sin^{2}(\beta)\cos^{2}(\beta)+14i\sin^{2}(\beta)\cos^{2}(\beta)+14i\sin^{2}(\beta)\cos^{2}(\beta)+14i\sin^{2}(\beta)\cos^{2}(\beta)+14i\sin^{2}(\beta)\cos^{2}(\beta)+14i\sin^{2}(\beta)\cos^{2}(\beta)+14i\sin^{2}(\beta)\cos^{2}(\beta)+14i\sin^{2}(\beta)\cos^{2}(\beta)+14i\sin^{2}(\beta)\cos^{2}(\beta)+14i\sin^{2}(\beta)\cos^{2}(\beta)+14i\sin^{2}(\beta)\cos^{2}(\beta)+14i\sin^{2}(\beta)\cos^{2}(\beta)+14i\sin^{2}(\beta)\cos^{2}(\beta)+14i\sin^{2}(\beta)\cos^{2}(\beta)+14i\sin^{2}(\beta)\cos^{2}(\beta)+14i\sin^{2}(\beta)\cos^{2}(\beta)+14i\sin^{2}(\beta)\cos^{2}(\beta)+14i\sin^{2}(\beta)\cos^{2}(\beta)+14i\sin^{2}(\beta)\cos^{2}(\beta)+14i\sin^{2}(\beta)\cos^{2}(\beta)+14i\sin^{2}(\beta)\cos^{2}(\beta)+14i\sin^{2}(\beta)\cos^{2}(\beta)+14i\sin^{2}(\beta)\cos^{2}(\beta)+14i\sin^{2}(\beta)\cos^{2}(\beta)+14i\sin^{2}(\beta)\cos^{2}(\beta)+14i\sin^{2}(\beta)\cos^{2}(\beta)+14i\sin^{2}(\beta)\cos^{2}(\beta)+14i\sin^{2}(\beta)\cos^{2}(\beta)+14i\sin^{2}(\beta)\cos^{2}(\beta)+14i\sin^{2}(\beta)\cos^{2}(\beta)+14i\sin^{2}(\beta)\cos^{2}(\beta)+14i\sin^{2}(\beta)\cos^{2}(\beta)+14i\sin^{2}(\beta)\cos^{2}(\beta)+14i\sin^{2}(\beta)\cos^{2}(\beta)+14i\sin^{2}(\beta)\cos^{2}(\beta)+14i\sin^{2}(\beta)\cos^{2}(\beta)+14i\sin^{2}(\beta)\cos^{2}(\beta)+14i\sin^{2}(\beta)\cos^{2}(\beta)+14i\sin^{2}(\beta)\cos^{2}(\beta)+14i\sin^{2}(\beta)\cos^{2}(\beta)+14i\sin^{2}(\beta)\cos^{2}(\beta)+14i\sin^{2}(\beta)\cos^{2}(\beta)+14i\sin^{2}(\beta)\cos^{2}(\beta)+14i\sin^{2}(\beta)\cos^{2}(\beta)+14i\sin^{2}(\beta)\cos^{2}(\beta)+14i\sin^{2}(\beta)\cos^{2}(\beta)+14i\sin^{2}(\beta)\cos^{2}(\beta)+14i\sin^{2}(\beta)\cos^{2}(\beta)+14i\sin^{2}(\beta)\cos^{2}(\beta)+14i\sin^{2}(\beta)\cos^{2}(\beta)+14i\sin^{2}(\beta)\cos^{2}(\beta)+14i\sin^{2}(\beta)\cos^{2}(\beta)+14i\sin^{2}(\beta)\cos^{2}(\beta)+14i\sin^{2}(\beta)\cos^{2}(\beta)+14i\sin^{2}(\beta)\cos^{2}(\beta)+14i\sin^{2}(\beta)\cos^{2}(\beta)+14i\sin^{2}(\beta)\cos^{2}(\beta)+14i\sin^{2}(\beta)\cos^{2}(\beta)+14i\sin^{2}(\beta)\cos^{2}(\beta)+14i\sin^{2}(\beta)\cos^{2}(\beta)+14i\sin^{2}(\beta)\cos^{2}(\beta)+14i\sin^{2}(\beta)\cos^{2}(\beta)+14i\sin^{2}(\beta)\cos^{2}(\beta)+14i\sin^{2}(\beta)\cos^{2}(\beta)+14i\sin^{2}(\beta)\cos^{2}(\beta)+14i\sin^{2}(\beta)\cos^{2}(\beta)+14i\sin^{2}(\beta)\cos^{2}(\beta)+14i\sin^{2}(\beta)\cos^{2}(\beta)+14i\sin^{2}(\beta)\cos^{2}(\beta)+14i\sin^{2}(\beta)\cos^{2}(\beta)+14i\sin^{2}(\beta)\cos^{2}(\beta)+14i\sin^{2}(\beta)\cos^{2}(\beta)+14i\sin^{2}(\beta)\cos^{2}(\beta)+14i\sin^{2}(\beta)\cos^{2}(\beta)+14i\sin^{2}(\beta)\cos^{2}(\beta)+14i\sin^{2}(\beta)\cos^{2}(\beta)+14i\sin^{2}(\beta)\cos^{2}(\beta)+14i\sin^{2}(\beta)\cos^{2}(\beta)+14i\sin^{2}(\beta)\cos^{2}(\beta)+14i\sin^{2}(\beta)\cos^{2}(\beta)+14i\sin^{2}(\beta)\cos^{2}(\beta)+14i\sin^{2}(\beta)+14i\sin^{2}(\beta)+14i\sin^{2}(\beta)+14i\sin^{2}(\beta)+14i\sin^{2}(\beta)+14i
 +e^{-4i\gamma}\left(2i\sin(\beta)\cos^{7}(\beta)-5\sin^{2}(\beta)\cos^{6}(\beta)-14i\sin^{3}(\beta)\cos^{5}(\beta)+14\sin^{4}(\beta)\cos^{4}(\beta)+14i\sin^{5}(\beta)\cos^{3}(\beta)-5\sin^{6}(\beta)\cos^{2}(\beta)\right)
+2e^{-8i\gamma}\cos^{4}(\beta)\left(-20\sin^{2}(\beta)\cos^{6}(\beta)-32i\sin^{3}(\beta)\cos^{5}(\beta)+2e^{8i\gamma}\sin^{4}(\beta)\cos^{4}(\beta)+36\sin^{4}(\beta)\cos^{4}(\beta)\right)
 +32i\sin^{5}(\beta)\cos^{3}(\beta)-20\sin^{6}(\beta)\cos^{2}(\beta)+e^{4i\gamma}\left(-16i\sin^{3}(\beta)\cos^{5}(\beta)+24\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{5}(\beta)\cos^{3}(\beta)\right)+e^{-4i\gamma}\left(8i\sin^{3}(\beta)\cos^{5}(\beta)+24\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{5}(\beta)\cos^{3}(\beta)\right)+e^{-4i\gamma}\left(-16i\sin^{3}(\beta)\cos^{5}(\beta)+24\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{5}(\beta)\cos^{3}(\beta)\right)+e^{-4i\gamma}\left(-16i\sin^{3}(\beta)\cos^{5}(\beta)+24\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{5}(\beta)\cos^{3}(\beta)\right)+e^{-4i\gamma}\left(-16i\sin^{3}(\beta)\cos^{5}(\beta)+24\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{5}(\beta)\cos^{3}(\beta)\right)+e^{-4i\gamma}\left(-16i\sin^{3}(\beta)\cos^{5}(\beta)+24\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{5}(\beta)\cos^{3}(\beta)\right)+e^{-4i\gamma}\left(-16i\sin^{3}(\beta)\cos^{5}(\beta)+24\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{5}(\beta)\cos^{5}(\beta)\right)+e^{-4i\gamma}\left(-16i\sin^{3}(\beta)\cos^{5}(\beta)+24\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{5}(\beta)\cos^{5}(\beta)+16i\sin^{5}(\beta)\cos^{5}(\beta)+16i\sin^{5}(\beta)\cos^{5}(\beta)+16i\sin^{5}(\beta)\cos^{5}(\beta)+16i\sin^{5}(\beta)\cos^{5}(\beta)+16i\sin^{5}(\beta)\cos^{5}(\beta)+16i\sin^{5}(\beta)\cos^{5}(\beta)+16i\sin^{5}(\beta)\cos^{5}(\beta)+16i\sin^{5}(\beta)\cos^{5}(\beta)+16i\sin^{5}(\beta)\cos^{5}(\beta)+16i\sin^{5}(\beta)\cos^{5}(\beta)+16i\sin^{5}(\beta)\cos^{5}(\beta)+16i\sin^{5}(\beta)\cos^{5}(\beta)+16i\sin^{5}(\beta)\cos^{5}(\beta)+16i\sin^{5}(\beta)\cos^{5}(\beta)+16i\sin^{5}(\beta)\cos^{5}(\beta)+16i\sin^{5}(\beta)\cos^{5}(\beta)+16i\sin^{5}(\beta)\cos^{5}(\beta)+16i\sin^{5}(\beta)\cos^{5}(\beta)+16i\sin^{5}(\beta)\cos^{5}(\beta)+16i\sin^{5}(\beta)\cos^{5}(\beta)+16i\sin^{5}(\beta)\cos^{5}(\beta)+16i\sin^{5}(\beta)\cos^{5}(\beta)+16i\sin^{5}(\beta)\cos^{5}(\beta)+16i\sin^{5}(\beta)\cos^{5}(\beta)+16i\sin^{5}(\beta)\cos^{5}(\beta)+16i\sin^{5}(\beta)\cos^{5}(\beta)+16i\sin^{5}(\beta)\cos^{5}(\beta)+16i\sin^{5}(\beta)\cos^{5}(\beta)+16i\sin^{5}(\beta)\cos^{5}(\beta)+16i\sin^{5}(\beta)\cos^{5}(\beta)+16i\sin^{5}(\beta)\cos^{5}(\beta)+16i\sin^{5}(\beta)\cos^{5}(\beta)+16i\sin^{5}(\beta)\cos^{5}(\beta)+16i\sin^{5}(\beta)\cos^{5}(\beta)+16i\sin^{5}(\beta)\cos^{5}(\beta)+16i\sin^{5}(\beta)\cos^{5}(\beta)+16i\sin^{5}(\beta)\cos^{5}(\beta)+16i\sin^{5}(\beta)\cos^{5}(\beta)+16i\sin^{5}(\beta)\cos^{5}(\beta)+16i\sin^{5}(\beta)\cos^{5}(\beta)+16i\sin^{5}(\beta)\cos^{5}(\beta)+16i\sin^{5}(\beta)\cos^{5}(\beta)+16i\sin^{5}(\beta)\cos^{5}(\beta)+16i\sin^{5}(\beta)\cos^{5}(\beta)+16i\sin^{5}(\beta)\cos^{5}(\beta)+16i\sin^{5}(\beta)\cos^{5}(\beta)+16i\sin^{5}(\beta)\cos^{5}(\beta)+16i\sin^{5}(\beta)\cos^{5}(\beta)+16i\sin^{5}(\beta)\cos^{5}(\beta)+16i\sin^{5}(\beta)\cos^{5}(\beta)+16i\sin^{5}(\beta)\cos^{5}(\beta)+16i\sin^{5}(\beta)\cos^{5}(\beta)+16i\sin^{5}(\beta)\cos^{5}(\beta)+16i\sin^{5}(\beta)\cos^{5}(\beta)+16i\sin^{5}(\beta)\cos^{5}(\beta)+16i\sin^{5}(\beta)\cos^{5}(\beta)+16i\sin^{5}(\beta)\cos^{5}(\beta)+16i\sin^{5}(\beta)\cos^{5}(\beta)+16i\sin^{5}(\beta)\cos^{5}(\beta)+16i\sin^{5}(\beta)\cos^{5}(\beta)+16i\sin^{5}(\beta)\cos^{5}(\beta)+16i\sin^{5}(\beta)\cos^{5}(\beta)+16i\sin^{5}(\beta)\cos^{5}(\beta)+16i\sin^{5}(\beta)\cos^{5}(\beta)+16i\sin^{5}(\beta)\cos^{5}(\beta)+16i\sin^{5}(\beta)+16i\sin^{5}(\beta)+16i\sin^{5}(\beta)+16i\sin^{5}(\beta)+16i\sin^{5}(\beta)+16i\sin^{5}(\beta)+16i\sin^{5}(\beta)+16i\sin^{5}(\beta)+16i\sin^{5}(\beta)+16i\sin^{5}(\beta)+16i\sin^{5}(\beta)+1
+e^{-8i\gamma}\left(\cos^{8}(\beta)+\sin^{8}(\beta)\right)\sin^{4}(\beta)+8e^{-4i\gamma}\cos^{4}(\beta)\left(4i\sin(\beta)\cos^{7}(\beta)-16\sin^{2}(\beta)\cos^{6}(\beta)-28i\sin^{3}(\beta)\cos^{5}(\beta)\right)
+2e^{-8i\gamma}\sin^4(\beta)\cos^4(\beta)+2e^{8i\gamma}\sin^4(\beta)\cos^4(\beta)+44\sin^4(\beta)\cos^4(\beta)+28i\sin^5(\beta)\cos^3(\beta)-16\sin^6(\beta)\cos^2(\beta)-4i\sin^7(\beta)\cos^2(\beta)
+e^{4i\gamma}\left(-4\sin^{2}(\beta)\cos^{6}(\beta)-16i\sin^{3}(\beta)\cos^{5}(\beta)+16\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{5}(\beta)\cos^{3}(\beta)-4\sin^{6}(\beta)\cos^{2}(\beta)\right)+e^{-4i\gamma}\left(\cos^{8}(\beta)-16i\sin^{3}(\beta)\cos^{5}(\beta)+16\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{5}(\beta)\cos^{3}(\beta)-4\sin^{6}(\beta)\cos^{2}(\beta)\right)+e^{-4i\gamma}\left(\cos^{8}(\beta)-16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{5}(\beta)\cos^{3}(\beta)\right)+e^{-4i\gamma}\left(\cos^{8}(\beta)-16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)\right)+e^{-4i\gamma}\left(\cos^{8}(\beta)-16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)\right)+e^{-4i\gamma}\left(\cos^{8}(\beta)-16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)\right)+e^{-4i\gamma}\left(\cos^{8}(\beta)-16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)\right)+e^{-4i\gamma}\left(\cos^{8}(\beta)-16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)\right)+e^{-4i\gamma}\left(\cos^{8}(\beta)-16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)\right)+e^{-4i\gamma}\left(\cos^{8}(\beta)-16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)\right)+e^{-4i\gamma}\left(\cos^{8}(\beta)-16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)\right)+e^{-4i\gamma}\left(\cos^{8}(\beta)-16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)\right)+e^{-4i\gamma}\left(\cos^{8}(\beta)-16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)\right)+e^{-4i\gamma}\left(\cos^{8}(\beta)-16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)\right)+e^{-4i\gamma}\left(\cos^{8}(\beta)-16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)\right)+e^{-4i\gamma}\left(\cos^{8}(\beta)-16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)\right)+e^{-4i\gamma}\left(\cos^{8}(\beta)-16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)\right)+e^{-4i\gamma}\left(\cos^{8}(\beta)-16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)\right)+e^{-4i\gamma}\left(\cos^{8}(\beta)-16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)\right)+e^{-4i\gamma}\left(\cos^{8}(\beta)-16i\sin^{4}(\beta)\cos^{4}(\beta)\right)+e^{-4i\gamma}\left(\cos^{8}(\beta)-16i\sin^{4}(\beta)\cos^{4}(\beta)\right)+e^{-4i\gamma}\left(\cos^{8}(\beta)-16i\sin^{4}(\beta)\cos^{4}(\beta)\right)+e^{-4i\gamma}\left(\cos^{8}(\beta)-16i\sin^{4}(\beta)\cos^{4}(\beta)\right)+e^{-4i\gamma}\left(\cos^{8}(\beta)-16i\sin^{4}(\beta)\cos^{4}(\beta)\right)+e^{-4i\gamma}\left(\cos^{8}(\beta)-16i\sin^{4}(\beta)\cos^{4}(\beta)\right)+e^{-4i\gamma}\left(\cos^{8}(\beta)-16i\sin^{4}(\beta)\cos^{4}(\beta)\right)+e^{-4i\gamma}\left(\cos^{8}(\beta)-16i\sin^{4}(\beta)\cos^{4}(\beta)\right)+e^{-4i\gamma}\left(\cos^{8}(\beta)-16i\sin^{4}(\beta)\cos^{4}(\beta)\right)+e^{-4i\gamma}\left(\cos^{8}(\beta)-16i\sin^{4}(\beta)\cos^{4}(\beta)\right)+e^{-4i\gamma}\left(\cos^{8}(\beta)-16i\sin^{4}(\beta)\cos^{4}(\beta)\right)+e^{-4i\gamma}\left(\cos^{8}(\beta)-16i\sin^{4}(\beta)\cos^{4}(\beta)\right)+e^{-4i\gamma}\left(\cos^{8}(\beta)-16i\sin^{4}(\beta)\cos^{4}(\beta)\right)+e^{-4i\gamma}\left(\cos^{8}(\beta)-16i\sin^{4}(\beta)\cos^{4}(\beta)\right)+e^{-4i\gamma}\left(\cos^{8}(\beta)-16i\sin^{4}(\beta)\cos^{4}(\beta)\right)+e^{-4i\gamma}\left(\cos^{8}(\beta)-16i\sin^{4}(\beta)\cos^{4}(\beta)\right)+e^{-4i\gamma}\left(\cos^{8}(\beta)-16i\sin^{4}(\beta)\cos^{4}(\beta)\right)+e^{-4i\gamma}\left(\cos^{8}(\beta)-16i\sin^{4}(\beta)\cos^{4}(\beta)\right)+e^{-4i\gamma}\left(\cos^{8}(\beta)-16i\sin^{4}(\beta)\cos^{4}(\beta)\right)+e^{-4i\gamma}\left(\cos^{8}(\beta)-16i
+8e^{4i\gamma}\cos^{4}(\beta)\left(4i\sin(\beta)\cos^{7}(\beta)-16\sin^{2}(\beta)\cos^{6}(\beta)-28i\sin^{3}(\beta)\cos^{5}(\beta)+2e^{-8i\gamma}\sin^{4}(\beta)\cos^{4}(\beta)+2e^{8i\gamma}\sin^{4}(\beta)\cos^{4}(\beta)\right)
+44\sin^4(\beta)\cos^4(\beta) + 28i\sin^5(\beta)\cos^3(\beta) - 16\sin^6(\beta)\cos^2(\beta) - 4i\sin^7(\beta)\cos(\beta) + e^{-4i\gamma}(-4\sin^2(\beta)\cos^6(\beta) - 16i\sin^3(\beta)\cos^5(\beta) + e^{-4i\gamma}(-4\sin^2(\beta)\cos^5(\beta) - 16i\sin^3(\beta)\cos^5(\beta) + e^{-4i\gamma}(-4\sin^2(\beta)\cos^2(\beta) - 16i\sin^3(\beta)\cos^5(\beta) + e^{-4i\gamma}(-4\sin^2(\beta)\cos^2(\beta) - e^{-4i\gamma}(-
 +e^{4i\gamma}(\cos^8(\beta)+4i\sin(\beta)\cos^7(\beta)-8\sin^2(\beta)\cos^6(\beta)-12i\sin^3(\beta)\cos^5(\beta)+6\sin^4(\beta)\cos^4(\beta)+12i\sin^5(\beta)\cos^3(\beta)-8\sin^6(\beta)
+16e^{-4i\gamma}\cos^4(\beta)\left(4i\sin(\beta)\cos^7(\beta)-19\sin^2(\beta)\cos^6(\beta)-28i\sin^3(\beta)\cos^5(\beta)+2e^{8i\gamma}\sin^4(\beta)\cos^4(\beta)+38\sin^4(\beta)\cos^4(\beta)\right)
+28i\sin^{5}(\beta)\cos^{3}(\beta)-19\sin^{6}(\beta)\cos^{2}(\beta)-4i\sin^{7}(\beta)\cos(\beta)+e^{4i\gamma}\left(-3\sin^{2}(\beta)\cos^{6}(\beta)-16i\sin^{3}(\beta)\cos^{5}(\beta)+18\sin^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{
 +e^{-8i\gamma}\left(-\sin^2(\beta)\cos^6(\beta)-\sin^6(\beta)\cos^2(\beta)\right)+e^{-4i\gamma}\left(\cos^8(\beta)+4i\sin(\beta)\cos^7(\beta)-5\sin^2(\beta)\cos^6(\beta)-12i\sin^3(\beta)\cos^5(\beta)+12i\sin^3(\beta)\cos^2(\beta)\right)
+ \left(16i\cos^{3}(\beta)\sin^{5}(\beta) - 16i\cos^{5}(\beta)\sin^{3}(\beta)\right)\left(\cos^{8}(\beta) + 6i\sin(\beta)\cos^{7}(\beta) - 16\sin^{2}(\beta)\cos^{6}(\beta) - 32i\sin^{3}(\beta)\cos^{5}(\beta)\right)
+30\sin^{4}(\beta)\cos^{4}(\beta)+32i\sin^{5}(\beta)\cos^{3}(\beta)-16\sin^{6}(\beta)\cos^{2}(\beta)-6i\sin^{7}(\beta)\cos(\beta)+\sin^{8}(\beta)+e^{-8i\gamma}\left(i\cos^{3}(\beta)\sin^{5}(\beta)-i\cos^{5}(\beta)\sin^{6}(\beta)\cos^{2}(\beta)+32i\sin^{6}(\beta)\cos^{2}(\beta)+32i\sin^{6}(\beta)\cos^{2}(\beta)+32i\sin^{6}(\beta)\cos^{2}(\beta)+32i\sin^{6}(\beta)\cos^{2}(\beta)+32i\sin^{6}(\beta)\cos^{2}(\beta)+32i\sin^{6}(\beta)\cos^{2}(\beta)+32i\sin^{6}(\beta)\cos^{2}(\beta)+32i\sin^{6}(\beta)\cos^{2}(\beta)+32i\sin^{6}(\beta)\cos^{2}(\beta)+32i\sin^{6}(\beta)\cos^{2}(\beta)+32i\sin^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)+32i\sin^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6
 +e^{8i\gamma}\left(i\cos^{3}(\beta)\sin^{5}(\beta)-i\cos^{5}(\beta)\sin^{3}(\beta)\right)+e^{-4i\gamma}\left(i\sin(\beta)\cos^{7}(\beta)-6\sin^{2}(\beta)\cos^{6}(\beta)-11i\sin^{3}(\beta)\cos^{5}(\beta)+20\sin^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4
+e^{4i\gamma}\left(i\sin(\beta)\cos^{7}(\beta)-6\sin^{2}(\beta)\cos^{6}(\beta)-11i\sin^{3}(\beta)\cos^{5}(\beta)+20\sin^{4}(\beta)\cos^{4}(\beta)+11i\sin^{5}(\beta)\cos^{3}(\beta)-6\sin^{6}(\beta)\cos^{2}(\beta)-11i\sin^{3}(\beta)\cos^{5}(\beta)+20\sin^{4}(\beta)\cos^{4}(\beta)+11i\sin^{5}(\beta)\cos^{3}(\beta)-6\sin^{6}(\beta)\cos^{2}(\beta)-11i\sin^{3}(\beta)\cos^{5}(\beta)+20\sin^{4}(\beta)\cos^{4}(\beta)+11i\sin^{5}(\beta)\cos^{3}(\beta)-6\sin^{6}(\beta)\cos^{2}(\beta)-11i\sin^{3}(\beta)\cos^{5}(\beta)+20\sin^{4}(\beta)\cos^{4}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+20\sin^{4}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+20\sin^{4}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+20\sin^{4}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+20\sin^{4}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+20\sin^{5}(\beta)\cos^{5}(\beta)+20\sin^{5}(\beta)\cos^{5}(\beta)+20\sin^{5}(\beta)\cos^{5}(\beta)+20\sin^{5}(\beta)\cos^{5}(\beta)+20\sin^{5}(\beta)\cos^{5}(\beta)+20\sin^{5}(\beta)\cos^{5}(\beta)+20\sin^{5}(\beta)\cos^{5}(\beta)+20\sin^{5}(\beta)\cos^{5}(\beta)+20\sin^{5}(\beta)\cos^{5}(\beta)+20\sin^{5}(\beta)\cos^{5}(\beta)+20\sin^{5}(\beta)\cos^{5}(\beta)+20\sin^{5}(\beta)\cos^{5}(\beta)+20\sin^{5}(\beta)\cos^{5}(\beta)+20\sin^{5}(\beta)\cos^{5}(\beta)+20\sin^{5}(\beta)\cos^{5}(\beta)+20\sin^{5}(\beta)\cos^{5}(\beta)+20\sin^{5}(\beta)\cos^{5}(\beta)+20\sin^{5}(\beta)\cos^{5}(\beta)+20\sin^{5}(\beta)\cos^{5}(\beta)+20\sin^{5}(\beta)\cos^{5}(\beta)+20\sin^{5}(\beta)\cos^{5}(\beta)+20\sin^{5}(\beta)\cos^{5}(\beta)+20\sin^{5}(\beta)\cos^{5}(\beta)+20\sin^{5}(\beta)\cos^{5}(\beta)+20\sin^{5}(\beta)\cos^{5}(\beta)+20\sin^{5}(\beta)\cos^{5}(\beta)+20\sin^{5}(\beta)\cos^{5}(\beta)+20\sin^{5}(\beta)\cos^{5}(\beta)+20\sin^{5}(\beta)\cos^{5}(\beta)+20\sin^{5}(\beta)\cos^{5}(\beta)+20\sin^{5}(\beta)\cos^{5}(\beta)+20\sin^{5}(\beta)\cos^{5}(\beta)+20\sin^{5}(\beta)\cos^{5}(\beta)+20\sin^{5}(\beta)\cos^{5}(\beta)+20\sin^{5}(\beta)\cos^{5}(\beta)+20\sin^{5}(\beta)\cos^{5}(\beta)+20\sin^{5}(\beta)\cos^{5}(\beta)+20\sin^{5}(\beta)\cos^{5}(\beta)+20\sin^{5}(\beta)\cos^{5}(\beta)+20\sin^{5}(\beta)\cos^{5}(\beta)+20\sin^{5}(\beta)\cos^{5}(\beta)+20\sin^{5}(\beta)\cos^{5}(\beta)+20\sin^{5}(\beta)\cos^{5}(\beta)+20\sin^{5}(\beta)\cos^{5}(\beta)+20\sin^{5}(\beta)\cos^{5}(\beta)+20\sin^{5}(\beta)\cos^{5}(\beta)+20\sin^{5}(\beta)\cos^{5}(\beta)+20\sin^{5}(\beta)\cos^{5}(\beta)+20\sin^{5}(\beta)\cos^{5}(\beta)+20\sin^{5}(\beta)\cos^{5}(\beta)+20\sin^{5}(\beta)\cos^{5}(\beta)+20\sin^{5}(\beta)\cos^{5}(\beta)+20\sin^{5}(\beta)\cos^{5}(\beta)+20\sin^{5}(\beta)\cos^{5}(\beta)+20\sin^{5}(\beta)\cos^{5}(\beta)+20\sin^{5}(\beta)\cos^{5}(\beta)+20\sin^{5}(\beta)\cos^{5}(\beta)+20\sin^{5}(\beta)\cos^{5}(\beta)+20\sin^{5}(\beta)\cos^{5}(\beta)+20\sin^{5}(\beta)\cos^{5}(\beta)+20\sin^{5}(\beta)\cos^{5}(\beta)+20\sin^{5}(\beta)\cos^{5}(\beta)+20\sin^{5}(\beta)\cos^{5}(\beta)+20\sin^{5}(\beta)\cos^{5}(\beta)+20\sin^{5}(\beta)\cos^{5}(\beta)+20\sin^{5}(\beta)\cos^{5}(\beta)+20\sin^{5}(\beta)\cos^{5}(\beta)+20\sin^{5}(\beta)\cos^{5}(\beta)+20\sin^{5}(\beta)\cos^{5}(\beta)+20\sin^{5}(\beta)\cos^{5}(\beta)+20\sin^{5}(\beta)\cos^{5}(\beta)+20\sin^{5}(\beta)\cos^{5}(\beta)+20\sin^{5}(\beta)\cos^{5}(\beta)+20\sin^{5}(\beta)\cos^{5}(\beta)+20\sin^{5}(\beta)\cos^{5}(\beta)+20\sin^{5}(\beta)\cos^{5}(\beta)+20\sin^{5}(\beta)\cos^{5}(\beta)+20\sin^{5}(\beta)\cos^{5}(\beta)+20\sin^{5}(\beta)+20\sin^{5}(\beta)+20\sin^{5}(\beta)+20\sin^{5}(\beta)+20\sin^{5}(\beta)+20\sin^{5}(\beta)+20\sin^{5}(
+(16i\cos^3(\beta)\sin^5(\beta)-16i\cos^5(\beta)\sin^3(\beta))(\cos^8(\beta)+4i\sin(\beta)\cos^7(\beta)-12\sin^2(\beta)\cos^6(\beta)-34i\sin^3(\beta)\cos^5(\beta)
 +38\sin^4(\beta)\cos^4(\beta)+34i\sin^5(\beta)\cos^3(\beta)-12\sin^6(\beta)\cos^2(\beta)-4i\sin^7(\beta)\cos(\beta)+\sin^8(\beta)+e^{-8i\gamma}(i\cos^3(\beta)\sin^5(\beta)-i\cos^5(\beta)\sin^5(\beta)\cos^2(\beta)+3i\sin^5(\beta)\cos^2(\beta)\sin^5(\beta)\cos^2(\beta)
+e^{8i\gamma}(i\cos^3(\beta)\sin^5(\beta)-i\cos^5(\beta)\sin^3(\beta))+e^{-4i\gamma}(2i\sin(\beta)\cos^7(\beta)-8\sin^2(\beta)\cos^6(\beta)-10i\sin^3(\beta)\cos^5(\beta)+16\sin^4(\beta)\cos^2(\beta)\sin^3(\beta)\sin^3(\beta)\sin^3(\beta)\cos^3(\beta)\sin^3(\beta)\cos^3(\beta)\sin^3(\beta)\cos^3(\beta)\sin^3(\beta)\cos^3(\beta)\sin^3(\beta)\cos^3(\beta)\sin^3(\beta)\cos^3(\beta)\sin^3(\beta)\cos^3(\beta)\sin^3(\beta)\cos^3(\beta)\cos^3(\beta)\sin^3(\beta)\cos^3(\beta)\cos^3(\beta)\sin^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^
+e^{4i\gamma}(2i\sin(\beta)\cos^{7}(\beta)-8\sin^{2}(\beta)\cos^{6}(\beta)-10i\sin^{3}(\beta)\cos^{5}(\beta)+16\sin^{4}(\beta)\cos^{4}(\beta)+10i\sin^{5}(\beta)\cos^{3}(\beta)-8\sin^{6}(\beta)\cos^{2}(\beta)-10i\sin^{3}(\beta)\cos^{5}(\beta)
 +(-8\sin^2(\beta)\cos^6(\beta)-8\sin^6(\beta)\cos^2(\beta))(\cos^8(\beta)+4i\sin(\beta)\cos^7(\beta)-15\sin^2(\beta)\cos^6(\beta)-28i\sin^3(\beta)\cos^5(\beta)+2e^{-8i\gamma}\sin^4(\beta)\cos^2(\beta)
+44\sin^4(\beta)\cos^4(\beta) + 28i\sin^5(\beta)\cos^3(\beta) - 15\sin^6(\beta)\cos^2(\beta) - 4i\sin^7(\beta)\cos(\beta) + \sin^8(\beta) + e^{8i\gamma}(-\sin^2(\beta)\cos^6(\beta) - \sin^6(\beta)\cos^2(\beta) + 2\sin^6(\beta)\cos^2(\beta) + \sin^6(\beta)\cos^2(\beta) + \sin^6(\beta)\cos^6(\beta) + \sin^6(\beta) 
 +e^{-4i\gamma}(2i\sin(\beta)\cos^{7}(\beta)-7\sin^{2}(\beta)\cos^{6}(\beta)-14i\sin^{3}(\beta)\cos^{5}(\beta)+10\sin^{4}(\beta)\cos^{4}(\beta)+14i\sin^{5}(\beta)\cos^{3}(\beta)-7\sin^{6}(\beta)\cos^{2}(\beta)
+e^{4i\gamma} \left(2i\sin(\beta)\cos^{7}(\beta)-5\sin^{2}(\beta)\cos^{6}(\beta)-14i\sin^{3}(\beta)\cos^{5}(\beta)+14\sin^{4}(\beta)\cos^{4}(\beta)+14i\sin^{5}(\beta)\cos^{3}(\beta)-5\sin^{6}(\beta)\cos^{2}(\beta)-14i\sin^{3}(\beta)\cos^{5}(\beta)+14\sin^{4}(\beta)\cos^{4}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{4}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)+14\sin^{5}(\beta)+14\sin^{5}(\beta)+14\sin^{5}
+(-4\sin^2(\beta)\cos^6(\beta)-4\sin^6(\beta)\cos^2(\beta))(\cos^8(\beta)+4i\sin(\beta)\cos^7(\beta)-18\sin^2(\beta)\cos^6(\beta)-28i\sin^3(\beta)\cos^5(\beta)+38\sin^4(\beta)\cos^2(\beta)
 +28i\sin^{5}(\beta)\cos^{3}(\beta)-18\sin^{6}(\beta)\cos^{2}(\beta)-4i\sin^{7}(\beta)\cos(\beta)+\sin^{8}(\beta)+e^{-8i\gamma}\left(-\sin^{2}(\beta)\cos^{6}(\beta)-\sin^{6}(\beta)\cos^{2}(\beta)\right)
+e^{8i\gamma}\left(-\sin^2(\beta)\cos^6(\beta)-\sin^6(\beta)\cos^2(\beta)\right)+e^{-4i\gamma}\left(2i\sin(\beta)\cos^7(\beta)-4\sin^2(\beta)\cos^6(\beta)-14i\sin^3(\beta)\cos^5(\beta)+16\sin^4(\beta)\cos^2(\beta)\right)
 +e^{4i\gamma}(2i\sin(\beta)\cos^{7}(\beta)-4\sin^{2}(\beta)\cos^{6}(\beta)-14i\sin^{3}(\beta)\cos^{5}(\beta)+16\sin^{4}(\beta)\cos^{4}(\beta)+14i\sin^{5}(\beta)\cos^{3}(\beta)-4\sin^{6}(\beta)\cos^{2}(\beta)
+(-8\sin^2(\beta)\cos^6(\beta)-8\sin^6(\beta)\cos^2(\beta))(\cos^8(\beta)+2i\sin(\beta)\cos^7(\beta)-14\sin^2(\beta)\cos^6(\beta)-30i\sin^3(\beta)\cos^5(\beta)+46\sin^4(\beta)\cos^2(\beta)\cos^2(\beta)
+30i\sin^{5}(\beta)\cos^{3}(\beta)-14\sin^{6}(\beta)\cos^{2}(\beta)-2i\sin^{7}(\beta)\cos(\beta)+\sin^{8}(\beta)+e^{-8i\gamma}\left(-\sin^{2}(\beta)\cos^{6}(\beta)-\sin^{6}(\beta)\cos^{2}(\beta)\right)
+e^{8i\gamma}\left(-\sin^2(\beta)\cos^6(\beta)-\sin^6(\beta)\cos^2(\beta)\right)+e^{-4i\gamma}\left(3i\sin(\beta)\cos^7(\beta)-6\sin^2(\beta)\cos^6(\beta)-13i\sin^3(\beta)\cos^5(\beta)+12\sin^4(\beta)\cos^2(\beta)\right)+e^{-4i\gamma}\left(3i\sin(\beta)\cos^7(\beta)-6\sin^2(\beta)\cos^6(\beta)-3i\sin^3(\beta)\cos^5(\beta)\right)+e^{-4i\gamma}\left(3i\sin(\beta)\cos^7(\beta)-6\sin^2(\beta)\cos^6(\beta)\right)+e^{-4i\gamma}\left(3i\sin(\beta)\cos^7(\beta)-6\sin^2(\beta)\cos^6(\beta)\right)+e^{-4i\gamma}\left(3i\sin(\beta)\cos^7(\beta)-6\sin^2(\beta)\cos^6(\beta)\right)+e^{-4i\gamma}\left(3i\sin(\beta)\cos^7(\beta)-6\sin^2(\beta)\cos^6(\beta)\right)+e^{-4i\gamma}\left(3i\sin(\beta)\cos^7(\beta)-6\sin^2(\beta)\cos^6(\beta)\right)+e^{-4i\gamma}\left(3i\sin(\beta)\cos^7(\beta)-6\sin^2(\beta)\cos^6(\beta)\right)+e^{-4i\gamma}\left(3i\sin(\beta)\cos^7(\beta)-6\sin^2(\beta)\cos^6(\beta)\right)+e^{-4i\gamma}\left(3i\sin(\beta)\cos^7(\beta)-6\sin^2(\beta)\cos^6(\beta)\right)+e^{-4i\gamma}\left(3i\sin(\beta)\cos^7(\beta)-6\sin^2(\beta)\cos^7(\beta)\right)+e^{-4i\gamma}\left(3i\sin(\beta)\cos^7(\beta)-6\sin^2(\beta)\cos^7(\beta)\right)+e^{-4i\gamma}\left(3i\sin(\beta)\cos^7(\beta)-6\sin^2(\beta)\cos^7(\beta)\right)+e^{-4i\gamma}\left(3i\sin(\beta)\cos^7(\beta)-6\sin^2(\beta)\cos^7(\beta)\right)+e^{-4i\gamma}\left(3i\sin(\beta)\cos^7(\beta)-6\sin^2(\beta)\cos^7(\beta)\right)+e^{-4i\gamma}\left(3i\sin(\beta)\cos^7(\beta)-6\sin^2(\beta)\cos^7(\beta)\right)+e^{-4i\gamma}\left(3i\sin(\beta)\cos^7(\beta)-6\sin^2(\beta)\cos^7(\beta)\right)+e^{-4i\gamma}\left(3i\sin(\beta)\cos^7(\beta)-6\sin^2(\beta)\cos^7(\beta)\right)+e^{-4i\gamma}\left(3i\sin(\beta)\cos^7(\beta)-6\sin^2(\beta)\cos^7(\beta)\right)+e^{-4i\gamma}\left(3i\sin(\beta)\cos^7(\beta)-6\sin^2(\beta)\cos^7(\beta)\right)+e^{-4i\gamma}\left(3i\sin(\beta)\cos^7(\beta)-6\sin^2(\beta)\cos^7(\beta)\right)+e^{-4i\gamma}\left(3i\sin(\beta)\cos^7(\beta)-6\sin^2(\beta)\cos^7(\beta)\right)+e^{-4i\gamma}\left(3i\sin(\beta)\cos^7(\beta)-6\sin^2(\beta)\cos^7(\beta)\right)+e^{-4i\gamma}\left(3i\sin(\beta)\cos^7(\beta)-6\sin^2(\beta)\cos^7(\beta)\right)+e^{-4i\gamma}\left(3i\sin(\beta)\cos^7(\beta)\cos^7(\beta)\right)+e^{-4i\gamma}\left(3i\sin(\beta)\cos^7(\beta)\cos^7(\beta)\right)+e^{-4i\gamma}\left(3i\sin(\beta)\cos^7(\beta)\cos^7(\beta)\right)+e^{-4i\gamma}\left(3i\sin(\beta)\cos^7(\beta)\cos^7(\beta)\right)+e^{-4i\gamma}\left(3i\sin(\beta)\cos^7(\beta)\cos^7(\beta)\right)+e^{-4i\gamma}\left(3i\sin(\beta)\cos^7(\beta)\cos^7(\beta)\right)+e^{-4i\gamma}\left(3i\sin(\beta)\cos^7(\beta)\cos^7(\beta)\right)+e^{-4i\gamma}\left(3i\sin(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\right)+e^{-4i\gamma}\left(3i\sin(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\right)+e^{-4i\gamma}\left(3i\sin(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\right)+e^{-4i\gamma}\left(3i\sin(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos
 +e^{4i\gamma}(3i\sin(\beta)\cos^{7}(\beta)-6\sin^{2}(\beta)\cos^{6}(\beta)-13i\sin^{3}(\beta)\cos^{5}(\beta)+12\sin^{4}(\beta)\cos^{4}(\beta)+13i\sin^{5}(\beta)\cos^{3}(\beta)-6\sin^{6}(\beta)\cos^{2}(\beta)
+e^{8i\gamma}\left(\cos^{8}(\beta)+\sin^{8}(\beta)\right)\left(-20\sin^{2}(\beta)\cos^{6}(\beta)-32i\sin^{3}(\beta)\cos^{5}(\beta)+2e^{-8i\gamma}\sin^{4}(\beta)\cos^{4}(\beta)+36\sin^{4}(\beta)\cos^{4}(\beta)\right)
+32i\sin^{5}(\beta)\cos^{3}(\beta)-20\sin^{6}(\beta)\cos^{2}(\beta)+e^{-4i\gamma}\left(-16i\sin^{3}(\beta)\cos^{5}(\beta)+24\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{5}(\beta)\cos^{3}(\beta)\right)
+e^{4i\gamma}(8i\sin(\beta)\cos^{7}(\beta)-8\sin^{2}(\beta)\cos^{6}(\beta)-8i\sin^{3}(\beta)\cos^{5}(\beta)+8\sin^{4}(\beta)\cos^{4}(\beta)+8i\sin^{5}(\beta)\cos^{3}(\beta)-8\sin^{6}(\beta)\cos^{2}(\beta)-8i\sin^{4}(\beta)\cos^{5}(\beta)
 +e^{8i\gamma}\left(\cos^{8}(\beta)+\sin^{8}(\beta)\right)+e^{-4i\gamma}\left(8i\cos^{3}(\beta)\sin^{5}(\beta)-8i\cos^{5}(\beta)\sin^{3}(\beta)\right)\left(5i\sin(\beta)\cos^{7}(\beta)-12\sin^{2}(\beta)\cos^{6}(\beta)\right)
-33 i \sin ^3(\beta) \cos ^5(\beta)+40 \sin ^4(\beta) \cos ^4(\beta)+33 i \sin ^5(\beta) \cos ^3(\beta)-12 \sin ^6(\beta) \cos ^2(\beta)-5 i \sin ^7(\beta) \cos (\beta)+e^{8 i \gamma} \left(i \cos ^3(\beta) \sin ^5(\beta) \cos ^4(\beta)+3 i \sin ^5(\beta) \cos ^5(\beta)+3 i \sin ^5(\beta) \cos ^
 +e^{4i\gamma}\left(-6\sin^{2}(\beta)\cos^{6}(\beta)-12i\sin^{3}(\beta)\cos^{5}(\beta)+20\sin^{4}(\beta)\cos^{4}(\beta)+12i\sin^{5}(\beta)\cos^{3}(\beta)-6\sin^{6}(\beta)\cos^{2}(\beta)\right)+e^{-8i\gamma}\left(i\cos^{7}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)+2\sin
 +e^{-4i\gamma}\left(\cos^{8}(\beta)+2i\sin(\beta)\cos^{7}(\beta)-10\sin^{2}(\beta)\cos^{6}(\beta)-10i\sin^{3}(\beta)\cos^{5}(\beta)+10\sin^{4}(\beta)\cos^{4}(\beta)+10i\sin^{5}(\beta)\cos^{3}(\beta)-10\sin^{2}(\beta)\cos^{6}(\beta)\right)
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 $+e^{4i\gamma}(8i\cos^{7}(\beta)\sin(\beta)-8i\cos(\beta)\sin^{7}(\beta))(5i\sin(\beta)\cos^{7}(\beta)-12\sin^{2}(\beta)\cos^{6}(\beta)-33i\sin^{3}(\beta)\cos^{5}(\beta)+40\sin^{4}(\beta)\cos^{4}(\beta)$

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((2i\cos^3(\beta)\sin^5(\beta) - 2i\cos^5(\beta)\sin^3(\beta))(\cos^8(\beta) + 8i\sin(\beta)\cos^7(\beta) - 20\sin^2(\beta)\cos^6(\beta))
    -24i\sin^{3}(\beta)\cos^{5}(\beta) + 2e^{-8i\gamma}\sin^{4}(\beta)\cos^{4}(\beta) + 2e^{8i\gamma}\sin^{4}(\beta)\cos^{4}(\beta) + 34\sin^{4}(\beta)\cos^{4}(\beta)
+24i\sin^{5}(\beta)\cos^{3}(\beta) - 20\sin^{6}(\beta)\cos^{2}(\beta) - 8i\sin^{7}(\beta)\cos(\beta) + \sin^{8}(\beta)
+e^{-4i\gamma}\left(-4\sin^{2}(\beta)\cos^{6}(\beta)-16i\sin^{3}(\beta)\cos^{5}(\beta)+16\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{5}(\beta)\cos^{3}(\beta)-4\sin^{6}(\beta)\cos^{2}(\beta)\right)
+e^{4i\gamma}\left(-4\sin^2(\beta)\cos^6(\beta)-16i\sin^3(\beta)\cos^5(\beta)+16\sin^4(\beta)\cos^4(\beta)+16i\sin^5(\beta)\cos^3(\beta)-4\sin^6(\beta)\cos^2(\beta)\right)
+(-6\sin^2(\beta)\cos^6(\beta)+20\sin^4(\beta)\cos^4(\beta)-6\sin^6(\beta)\cos^2(\beta))(\cos^8(\beta)+6i\sin(\beta)\cos^7(\beta)-16\sin^2(\beta)\cos^6(\beta)
  -32i\sin^{3}(\beta)\cos^{5}(\beta) + 30\sin^{4}(\beta)\cos^{4}(\beta) + 32i\sin^{5}(\beta)\cos^{3}(\beta) - 16\sin^{6}(\beta)\cos^{2}(\beta) - 6i\sin^{7}(\beta)\cos(\beta)
+\sin^{8}(\beta) + e^{-8i\gamma} \left(i\cos^{3}(\beta)\sin^{5}(\beta) - i\cos^{5}(\beta)\sin^{3}(\beta)\right) + e^{8i\gamma} \left(i\cos^{3}(\beta)\sin^{5}(\beta) - i\cos^{5}(\beta)\sin^{3}(\beta)\right)
+e^{-4i\gamma}(i\sin(\beta)\cos^{7}(\beta)-6\sin^{2}(\beta)\cos^{6}(\beta)-11i\sin^{3}(\beta)\cos^{5}(\beta)+20\sin^{4}(\beta)\cos^{4}(\beta)+11i\sin^{5}(\beta)\cos^{3}(\beta)-6\sin^{6}(\beta)\cos^{2}(\beta)
+e^{4i\gamma} \left( i\sin(\beta)\cos^7(\beta) - 6\sin^2(\beta)\cos^6(\beta) - 11i\sin^3(\beta)\cos^5(\beta) + 20\sin^4(\beta)\cos^4(\beta) + 11i\sin^5(\beta)\cos^3(\beta) - 6\sin^6(\beta)\cos^2(\beta) - 11i\sin^3(\beta)\cos^5(\beta) + 20\sin^4(\beta)\cos^4(\beta) + 11i\sin^5(\beta)\cos^5(\beta) + 20\sin^4(\beta)\cos^5(\beta) + 11i\sin^5(\beta)\cos^5(\beta) + 11i\sin^2(\beta)\cos^2(\beta) + 11i\sin^2(\beta) + 11i\sin^2(\beta)
  + (8i\cos^3(\beta)\sin^5(\beta) - 8i\cos^5(\beta)\sin^3(\beta))(\cos^8(\beta) + 6i\sin(\beta)\cos^7(\beta) - 16\sin^2(\beta)\cos^6(\beta)
  -26i\sin^{3}(\beta)\cos^{5}(\beta) + 2e^{-8i\gamma}\sin^{4}(\beta)\cos^{4}(\beta) + 2e^{8i\gamma}\sin^{4}(\beta)\cos^{4}(\beta) + 42\sin^{4}(\beta)\cos^{4}(\beta)
+26i\sin^{5}(\beta)\cos^{3}(\beta) - 16\sin^{6}(\beta)\cos^{2}(\beta) - 6i\sin^{7}(\beta)\cos(\beta) + \sin^{8}(\beta)
+e^{-4i\gamma}\left(i\sin(\beta)\cos^{7}(\beta)-6\sin^{2}(\beta)\cos^{6}(\beta)-15i\sin^{3}(\beta)\cos^{5}(\beta)+12\sin^{4}(\beta)\cos^{4}(\beta)+15i\sin^{5}(\beta)\cos^{3}(\beta)-6\sin^{6}(\beta)\cos^{2}(\beta)+12\sin^{4}(\beta)\cos^{4}(\beta)+15i\sin^{5}(\beta)\cos^{3}(\beta)+12\sin^{4}(\beta)\cos^{4}(\beta)+15i\sin^{5}(\beta)\cos^{4}(\beta)+15i\sin^{5}(\beta)\cos^{4}(\beta)+15i\sin^{5}(\beta)\cos^{4}(\beta)+15i\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{4}(\beta)\cos^{5}(\beta)+12\sin^{4}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+
+e^{4i\gamma}\left(i\sin(\beta)\cos^{7}(\beta)-6\sin^{2}(\beta)\cos^{6}(\beta)-15i\sin^{3}(\beta)\cos^{5}(\beta)+12\sin^{4}(\beta)\cos^{4}(\beta)+15i\sin^{5}(\beta)\cos^{3}(\beta)-6\sin^{6}(\beta)\cos^{2}(\beta)-15i\sin^{3}(\beta)\cos^{5}(\beta)+12\sin^{4}(\beta)\cos^{4}(\beta)+15i\sin^{5}(\beta)\cos^{3}(\beta)-6\sin^{6}(\beta)\cos^{2}(\beta)-15i\sin^{3}(\beta)\cos^{5}(\beta)+12\sin^{4}(\beta)\cos^{4}(\beta)+15i\sin^{5}(\beta)\cos^{3}(\beta)-6\sin^{6}(\beta)\cos^{2}(\beta)+12\sin^{4}(\beta)\cos^{5}(\beta)+12\sin^{4}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^
+(-6\sin^2(\beta)\cos^6(\beta)+20\sin^4(\beta)\cos^4(\beta)-6\sin^6(\beta)\cos^2(\beta))(\cos^8(\beta)+4i\sin(\beta)\cos^7(\beta)-12\sin^2(\beta)\cos^6(\beta)-34i\sin^3(\beta)\cos^2(\beta))
  +38\sin^{4}(\beta)\cos^{4}(\beta)+34i\sin^{5}(\beta)\cos^{3}(\beta)-12\sin^{6}(\beta)\cos^{2}(\beta)-4i\sin^{7}(\beta)\cos(\beta)+\sin^{8}(\beta)+e^{-8i\gamma}\left(i\cos^{3}(\beta)\sin^{5}(\beta)-i\cos^{5}(\beta)\sin^{2}(\beta)\cos^{2}(\beta)+34i\sin^{2}(\beta)\cos^{2}(\beta)+34i\sin^{2}(\beta)\cos^{2}(\beta)+34i\sin^{2}(\beta)\cos^{2}(\beta)+34i\sin^{2}(\beta)\cos^{2}(\beta)+34i\sin^{2}(\beta)\cos^{2}(\beta)+34i\sin^{2}(\beta)\cos^{2}(\beta)+34i\sin^{2}(\beta)\cos^{2}(\beta)+34i\sin^{2}(\beta)\cos^{2}(\beta)+34i\sin^{2}(\beta)\cos^{2}(\beta)+34i\sin^{2}(\beta)\cos^{2}(\beta)+34i\sin^{2}(\beta)\cos^{2}(\beta)+34i\sin^{2}(\beta)\cos^{2}(\beta)+34i\sin^{2}(\beta)\cos^{2}(\beta)+34i\sin^{2}(\beta)\cos^{2}(\beta)+34i\sin^{2}(\beta)\cos^{2}(\beta)+34i\sin^{2}(\beta)\cos^{2}(\beta)+34i\sin^{2}(\beta)\cos^{2}(\beta)+34i\sin^{2}(\beta)\cos^{2}(\beta)+34i\sin^{2}(\beta)\cos^{2}(\beta)+34i\sin^{2}(\beta)\cos^{2}(\beta)+34i\sin^{2}(\beta)\cos^{2}(\beta)+34i\sin^{2}(\beta)\cos^{2}(\beta)+34i\sin^{2}(\beta)\cos^{2}(\beta)+34i\sin^{2}(\beta)\cos^{2}(\beta)+34i\sin^{2}(\beta)\cos^{2}(\beta)+34i\sin^{2}(\beta)\cos^{2}(\beta)+34i\sin^{2}(\beta)\cos^{2}(\beta)+34i\sin^{2}(\beta)\cos^{2}(\beta)+34i\sin^{2}(\beta)\cos^{2}(\beta)+34i\sin^{2}(\beta)\cos^{2}(\beta)+34i\sin^{2}(\beta)\cos^{2}(\beta)+34i\sin^{2}(\beta)\cos^{2}(\beta)+34i\sin^{2}(\beta)\cos^{2}(\beta)+34i\sin^{2}(\beta)\cos^{2}(\beta)+34i\sin^{2}(\beta)\cos^{2}(\beta)+34i\sin^{2}(\beta)\cos^{2}(\beta)+34i\sin^{2}(\beta)\cos^{2}(\beta)+34i\sin^{2}(\beta)\cos^{2}(\beta)+34i\sin^{2}(\beta)\cos^{2}(\beta)+34i\sin^{2}(\beta)\cos^{2}(\beta)+34i\sin^{2}(\beta)\cos^{2}(\beta)+34i\sin^{2}(\beta)\cos^{2}(\beta)+34i\sin^{2}(\beta)\cos^{2}(\beta)+34i\sin^{2}(\beta)\cos^{2}(\beta)+34i\sin^{2}(\beta)\cos^{2}(\beta)+34i\sin^{2}(\beta)\cos^{2}(\beta)+34i\sin^{2}(\beta)\cos^{2}(\beta)+34i\sin^{2}(\beta)\cos^{2}(\beta)+34i\sin^{2}(\beta)\cos^{2}(\beta)+34i\sin^{2}(\beta)\cos^{2}(\beta)+34i\sin^{2}(\beta)\cos^{2}(\beta)+34i\sin^{2}(\beta)\cos^{2}(\beta)+34i\sin^{2}(\beta)\cos^{2}(\beta)+34i\sin^{2}(\beta)\cos^{2}(\beta)+34i\sin^{2}(\beta)\cos^{2}(\beta)+34i\sin^{2}(\beta)\cos^{2}(\beta)+34i\sin^{2}(\beta)\cos^{2}(\beta)+34i\sin^{2}(\beta)\cos^{2}(\beta)+34i\sin^{2}(\beta)\cos^{2}(\beta)+34i\sin^{2}(\beta)\cos^{2}(\beta)+34i\sin^{2}(\beta)\cos^{2}(\beta)+34i\sin^{2}(\beta)\cos^{2}(\beta)+34i\sin^{2}(\beta)\cos^{2}(\beta)+34i\sin^{2}(\beta)\cos^{2}(\beta)+34i\sin^{2}(\beta)\cos^{2}(\beta)+34i\sin^{2}(\beta)\cos^{2}(\beta)+34i\sin^{2}(\beta)\cos^{2}(\beta)+34i\sin^{2}(\beta)\cos^{2}(\beta)+34i\sin^{2}(\beta)\cos^{2}(\beta)+34i\sin^{2}(\beta)\cos^{2}(\beta)+34i\sin^{2}(\beta)\cos^{2}(\beta)+34i\sin^{2}(\beta)\cos^{2}(\beta)+34i\sin^{2}(\beta)\cos^{2}(\beta)+34i\sin^{2}(\beta)\cos^{2}(\beta)+34i\sin^{2}(\beta)\cos^{2}(\beta)+34i\sin^{2}(\beta)\cos^{2}(\beta)+34i\sin^{2}(\beta)\cos^{2}(\beta)+34i\sin^{2}(\beta)\cos^{2}(\beta)+34i\sin^{2}(\beta)\cos^{2}(\beta)+34i\sin^{2}(\beta)+34i\sin^{2}(\beta)+34i\sin^{2}(\beta)+34i\sin^{2}(\beta)+34i\sin^{2}(\beta)+34i\sin^{2}(\beta)+34i\sin^{2}(\beta)+34i\sin^{2}(\beta)+34i\sin^{2}(\beta)+34i\sin^{2}(\beta)+34i\sin^{2}(\beta)+34i\sin^{2}(\beta)+34i\sin^{2}(\beta)+34i\sin^{2}(\beta)+34i\sin^{2}(\beta)+34i\sin^{2}(\beta)+34i\sin^{2}(\beta)+34i\sin^{2}(\beta)+34i\sin^{2}(\beta)+34i\sin^{2}(\beta)+34i\sin^{2}(\beta)+34i\sin^{2}(\beta)+34i\sin^{2}(\beta)+34i\sin^{2}(\beta)+34i\sin^{2}(\beta)+34i\sin^{2}(\beta)+34i\sin^{2}(\beta)+34i
+e^{8i\gamma} \left( i\cos^{3}(\beta)\sin^{5}(\beta) - i\cos^{5}(\beta)\sin^{3}(\beta) \right) + e^{-4i\gamma} \left( 2i\sin(\beta)\cos^{7}(\beta) - 8\sin^{2}(\beta)\cos^{6}(\beta) - 10i\sin^{3}(\beta)\cos^{5}(\beta) + 16\sin^{4}(\beta)\cos^{6}(\beta) + 16\sin^{4}
+e^{4i\gamma} \left(2i\sin(\beta)\cos^{7}(\beta)-8\sin^{2}(\beta)\cos^{6}(\beta)-10i\sin^{3}(\beta)\cos^{5}(\beta)+16\sin^{4}(\beta)\cos^{4}(\beta)+10i\sin^{5}(\beta)\cos^{3}(\beta)-8\sin^{6}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)+10i\sin^{2}(\beta)+10i\sin^{2}(\beta)+10i\sin^{2}(\beta)+10i\sin^{2}(\beta)+10i
  +(8i\cos^{3}(\beta)\sin^{5}(\beta)-8i\cos^{5}(\beta)\sin^{3}(\beta))(\cos^{8}(\beta)+4i\sin(\beta)\cos^{7}(\beta)-15\sin^{2}(\beta)\cos^{6}(\beta)-28i\sin^{3}(\beta)\cos^{5}(\beta)+2e^{8i\gamma}\sin^{4}(\beta)\cos^{6}(\beta)
+44\sin^4(\beta)\cos^4(\beta) + 28i\sin^5(\beta)\cos^3(\beta) - 15\sin^6(\beta)\cos^2(\beta) - 4i\sin^7(\beta)\cos(\beta) + \sin^8(\beta) + e^{-8i\gamma}(-\sin^2(\beta)\cos^6(\beta) - \sin^6(\beta)\cos^6(\beta) + \sin^6(\beta) 
  +e^{4i\gamma}\left(2i\sin(\beta)\cos^{7}(\beta)-7\sin^{2}(\beta)\cos^{6}(\beta)-14i\sin^{3}(\beta)\cos^{5}(\beta)+10\sin^{4}(\beta)\cos^{4}(\beta)+14i\sin^{5}(\beta)\cos^{3}(\beta)-7\sin^{6}(\beta)\cos^{2}(\beta)-14i\sin^{3}(\beta)\cos^{5}(\beta)+10\sin^{4}(\beta)\cos^{4}(\beta)+14i\sin^{5}(\beta)\cos^{3}(\beta)-7\sin^{6}(\beta)\cos^{2}(\beta)-14i\sin^{3}(\beta)\cos^{5}(\beta)+10\sin^{4}(\beta)\cos^{4}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)-14i\sin^{5}(\beta)\cos^{5}(\beta)+10\sin^{4}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+10\sin^{4}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+10\sin^{5}(\beta)\cos^{5}(\beta)+10\sin^{5}(\beta)\cos^{5}(\beta)+10\sin^{5}(\beta)\cos^{5}(\beta)+10\sin^{5}(\beta)\cos^{5}(\beta)+10\sin^{5}(\beta)\cos^{5}(\beta)+10\sin^{5}(\beta)\cos^{5}(\beta)+10\sin^{5}(\beta)\cos^{5}(\beta)+10\sin^{5}(\beta)\cos^{5}(\beta)+10\sin^{5}(\beta)\cos^{5}(\beta)+10\sin^{5}(\beta)\cos^{5}(\beta)+10\sin^{5}(\beta)\cos^{5}(\beta)+10\sin^{5}(\beta)\cos^{5}(\beta)+10\sin^{5}(\beta)\cos^{5}(\beta)+10\sin^{5}(\beta)\cos^{5}(\beta)+10\sin^{5}(\beta)\cos^{5}(\beta)+10\sin^{5}(\beta)\cos^{5}(\beta)+10\sin^{5}(\beta)\cos^{5}(\beta)+10\sin^{5}(\beta)\cos^{5}(\beta)+10\sin^{5}(\beta)\cos^{5}(\beta)+10\sin^{5}(\beta)\cos^{5}(\beta)+10\sin^{5}(\beta)\cos^{5}(\beta)+10\sin^{5}(\beta)\cos^{5}(\beta)+10\sin^{5}(\beta)\cos^{5}(\beta)+10\sin^{5}(\beta)\cos^{5}(\beta)+10\sin^{5}(\beta)\cos^{5}(\beta)+10\sin^{5}(\beta)\cos^{5}(\beta)+10\sin^{5}(\beta)\cos^{5}(\beta)+10\sin^{5}(\beta)\cos^{5}(\beta)+10\sin^{5}(\beta)\cos^{5}(\beta)+10\sin^{5}(\beta)\cos^{5}(\beta)+10\sin^{5}(\beta)\cos^{5}(\beta)+10\sin^{5}(\beta)\cos^{5}(\beta)+10\sin^{5}(\beta)\cos^{5}(\beta)+10\sin^{5}(\beta)\cos^{5}(\beta)+10\sin^{5}(\beta)\cos^{5}(\beta)+10\sin^{5}(\beta)\cos^{5}(\beta)+10\sin^{5}(\beta)\cos^{5}(\beta)+10\sin^{5}(\beta)\cos^{5}(\beta)+10\sin^{5}(\beta)\cos^{5}(\beta)+10\sin^{5}(\beta)\cos^{5}(\beta)+10\sin^{5}(\beta)\cos^{5}(\beta)+10\sin^{5}(\beta)\cos^{5}(\beta)+10\sin^{5}(\beta)\cos^{5}(\beta)+10\sin^{5}(\beta)\cos^{5}(\beta)+10\sin^{5}(\beta)\cos^{5}(\beta)+10\sin^{5}(\beta)\cos^{5}(\beta)+10\sin^{5}(\beta)\cos^{5}(\beta)+10\sin^{5}(\beta)\cos^{5}(\beta)+10\sin^{5}(\beta)\cos^{5}(\beta)+10\sin^{5}(\beta)\cos^{5}(\beta)+10\sin^{5}(\beta)\cos^{5}(\beta)+10\sin^{5}(\beta)\cos^{5}(\beta)+10\sin^{5}(\beta)\cos^{5}(\beta)+10\sin^{5}(\beta)\cos^{5}(\beta)+10\sin^{5}(\beta)\cos^{5}(\beta)+10\sin^{5}(\beta)\cos^{5}(\beta)+10\sin^{5}(\beta)\cos^{5}(\beta)+10\sin^{5}(\beta)\cos^{5}(\beta)+10\sin^{5}(\beta)\cos^{5}(\beta)+10\sin^{5}(\beta)\cos^{5}(\beta)+10\sin^{5}(\beta)\cos^{5}(\beta)+10\sin^{5}(\beta)\cos^{5}(\beta)+10\sin^{5}(\beta)\cos^{5}(\beta)+10\sin^{5}(\beta)\cos^{5}(\beta)+10\sin^{5}(\beta)\cos^{5}(\beta)+10\sin^{5}(\beta)\cos^{5}(\beta)+10\sin^{5}(\beta)\cos^{5}(\beta)+10\sin^{5}(\beta)\cos^{5}(\beta)+10\sin^{5}(\beta)\cos^{5}(\beta)+10\sin^{5}(\beta)\cos^{5}(\beta)+10\sin^{5}(\beta)\cos^{5}(\beta)+10\sin^{5}(\beta)\cos^{5}(\beta)+10\sin^{5}(\beta)\cos^{5}(\beta)+10\sin^{5}(\beta)\cos^{5}(\beta)+10\sin^{5}(\beta)\cos^{5}(\beta)+10\sin^{5}(\beta)\cos^{5}(\beta)+10\sin^{5}(\beta)\cos^{5}(\beta)+10\sin^{5}(\beta)\cos^{5}(\beta)+10\sin^{5}(\beta)\cos^{5}(\beta)+10\sin^{5}(\beta)\cos^{5}(\beta)+10\sin^{5}(\beta)\cos^{5}(\beta)+10\sin^{5}(\beta)\cos^{5}(\beta)+10\sin^{5}(\beta)\cos^{5}(\beta)+10\sin^{5}(\beta)\cos^{5}(\beta)+10\sin^{5}(\beta)\cos^{5}(\beta)+10\sin^{5}(\beta)+10\sin^{5}(\beta)+10\sin^{5}(\beta)+10\sin^{5}(\beta)+10\sin^{5}(\beta)+10\sin^{5}(\beta)+10\sin^{5}(\beta
  +e^{-4i\gamma}(2i\sin(\beta)\cos^{7}(\beta)-5\sin^{2}(\beta)\cos^{6}(\beta)-14i\sin^{3}(\beta)\cos^{5}(\beta)+14\sin^{4}(\beta)\cos^{4}(\beta)+14i\sin^{5}(\beta)\cos^{3}(\beta)-5\sin^{6}(\beta)\cos^{2}(\beta)
  +(2i\sin(\beta)\cos^{7}(\beta)-6i\sin^{3}(\beta)\cos^{5}(\beta)+6i\sin^{5}(\beta)\cos^{3}(\beta)-2i\sin^{7}(\beta)\cos(\beta))(\cos^{8}(\beta)+4i\sin(\beta)\cos^{7}(\beta)-15\sin^{2}(\beta)\cos^{6}(\beta)
  -28i\sin^{3}(\beta)\cos^{5}(\beta) + 2e^{-8i\gamma}\sin^{4}(\beta)\cos^{4}(\beta) + 44\sin^{4}(\beta)\cos^{4}(\beta) + 28i\sin^{5}(\beta)\cos^{3}(\beta) - 15\sin^{6}(\beta)\cos^{2}(\beta) - 4i\sin^{7}(\beta)\cos(\beta)
+\sin^{8}(\beta) + e^{8i\gamma} \left(-\sin^{2}(\beta)\cos^{6}(\beta) - \sin^{6}(\beta)\cos^{2}(\beta)\right) + e^{-4i\gamma} \left(2i\sin(\beta)\cos^{7}(\beta) - 7\sin^{2}(\beta)\cos^{6}(\beta) - 14i\sin^{3}(\beta)\cos^{5}(\beta) + 10\sin^{2}(\beta)\cos^{6}(\beta)\right)
+e^{4i\gamma}\left(2i\sin(\beta)\cos^{7}(\beta)-5\sin^{2}(\beta)\cos^{6}(\beta)-14i\sin^{3}(\beta)\cos^{5}(\beta)+14\sin^{4}(\beta)\cos^{4}(\beta)+14i\sin^{5}(\beta)\cos^{3}(\beta)-5\sin^{6}(\beta)\cos^{2}(\beta)+14i\sin^{4}(\beta)\cos^{4}(\beta)+14i\sin^{4}(\beta)\cos^{4}(\beta)+14i\sin^{4}(\beta)\cos^{4}(\beta)+14i\sin^{4}(\beta)\cos^{4}(\beta)+14i\sin^{4}(\beta)\cos^{4}(\beta)+14i\sin^{4}(\beta)\cos^{4}(\beta)+14i\sin^{4}(\beta)\cos^{4}(\beta)+14i\sin^{4}(\beta)\cos^{4}(\beta)+14i\sin^{4}(\beta)\cos^{4}(\beta)+14i\sin^{4}(\beta)\cos^{4}(\beta)+14i\sin^{4}(\beta)\cos^{4}(\beta)+14i\sin^{4}(\beta)\cos^{4}(\beta)+14i\sin^{4}(\beta)\cos^{4}(\beta)+14i\sin^{4}(\beta)\cos^{4}(\beta)+14i\sin^{4}(\beta)\cos^{4}(\beta)+14i\sin^{4}(\beta)\cos^{4}(\beta)+14i\sin^{4}(\beta)\cos^{4}(\beta)+14i\sin^{4}(\beta)\cos^{4}(\beta)+14i\sin^{4}(\beta)\cos^{4}(\beta)+14i\sin^{4}(\beta)\cos^{4}(\beta)+14i\sin^{4}(\beta)\cos^{4}(\beta)+14i\sin^{4}(\beta)\cos^{4}(\beta)+14i\sin^{4}(\beta)\cos^{4}(\beta)+14i\sin^{4}(\beta)\cos^{4}(\beta)+14i\sin^{4}(\beta)\cos^{4}(\beta)+14i\sin^{4}(\beta)\cos^{4}(\beta)+14i\sin^{4}(\beta)\cos^{4}(\beta)+14i\sin^{4}(\beta)\cos^{4}(\beta)+14i\sin^{4}(\beta)\cos^{4}(\beta)+14i\sin^{4}(\beta)\cos^{4}(\beta)+14i\sin^{4}(\beta)\cos^{4}(\beta)+14i\sin^{4}(\beta)\cos^{4}(\beta)+14i\sin^{4}(\beta)\cos^{4}(\beta)+14i\sin^{4}(\beta)\cos^{4}(\beta)+14i\sin^{4}(\beta)\cos^{4}(\beta)+14i\sin^{4}(\beta)\cos^{4}(\beta)+14i\sin^{4}(\beta)\cos^{4}(\beta)+14i\sin^{4}(\beta)\cos^{4}(\beta)+14i\sin^{4}(\beta)\cos^{4}(\beta)+14i\sin^{4}(\beta)\cos^{4}(\beta)+14i\sin^{4}(\beta)\cos^{4}(\beta)+14i\sin^{4}(\beta)\cos^{4}(\beta)+14i\sin^{4}(\beta)\cos^{4}(\beta)+14i\sin^{4}(\beta)\cos^{4}(\beta)+14i\sin^{4}(\beta)\cos^{4}(\beta)+14i\sin^{4}(\beta)\cos^{4}(\beta)+14i\sin^{4}(\beta)\cos^{4}(\beta)+14i\sin^{4}(\beta)\cos^{4}(\beta)+14i\sin^{4}(\beta)\cos^{4}(\beta)+14i\sin^{4}(\beta)\cos^{4}(\beta)+14i\sin^{4}(\beta)\cos^{4}(\beta)+14i\sin^{4}(\beta)\cos^{4}(\beta)+14i\sin^{4}(\beta)\cos^{4}(\beta)+14i\sin^{4}(\beta)\cos^{4}(\beta)+14i\sin^{4}(\beta)\cos^{4}(\beta)+14i\sin^{4}(\beta)\cos^{4}(\beta)+14i\sin^{4}(\beta)\cos^{4}(\beta)+14i\sin^{4}(\beta)\cos^{4}(\beta)+14i\sin^{4}(\beta)\cos^{4}(\beta)+14i\sin^{4}(\beta)\cos^{4}(\beta)+14i\sin^{4}(\beta)\cos^{4}(\beta)+14i\sin^{4}(\beta)\cos^{4}(\beta)+14i\sin^{4}(\beta)\cos^{4}(\beta)+14i\sin^{4}(\beta)\cos^{4}(\beta)+14i\sin^{4}(\beta)\cos^{4}(\beta)+14i\sin^{4}(\beta)\cos^{4}(\beta)+14i\sin^{4}(\beta)\cos^{4}(\beta)+14i\sin^{4}(\beta)\cos^{4}(\beta)+14i\sin^{4}(\beta)\cos^{4}(\beta)+14i\sin^{4}(\beta)\cos^{4}(\beta)+14i\sin^{4}(\beta)\cos^{4}(\beta)+14i\sin^{4}(\beta)\cos^{4}(\beta)+14i\sin^{4}(\beta)\cos^{4}(\beta)+14i\sin^{4}(\beta)\cos^{4}(\beta)+14i\sin^{4}(\beta)\cos^{4}(\beta)+14i\sin^{4}(\beta)\cos^{4}(\beta)+14i\sin^{4}(\beta)\cos^{4}(\beta)+14i\sin^{4}(\beta)\cos^{4}(\beta)+14i\sin^{4}(\beta)\cos^{4}(\beta)+14i\sin^{4}(\beta)\cos^{4}(\beta)+14i\sin^{4}(\beta)\cos^{4}(\beta)+14i\sin^{4}(\beta)\cos^{4}(\beta)+14i\sin^{4}(\beta)\cos^{4}(\beta)+14i\sin^{4}(\beta)\cos^{4}(\beta)+14i\sin^{4}(\beta)\cos^{4}(\beta)+14i\sin^{4}(\beta)\cos^{4}(\beta)+14i\sin^{4}(\beta)\cos^{4}(\beta)+14i\sin^{4}(\beta)\cos^{4}(\beta)+14i\sin^{4}(\beta)\cos^{4}(\beta)+14i\sin^{4}(\beta)\cos^{4}(\beta)+14i\sin^{4}(\beta)+14i\sin^{4}(\beta)+14i\sin^{4}(\beta)+14i\sin^{4}(\beta)+14i\sin^{4}(\beta)+14i\sin^{4}(\beta)+14i\sin^{4}(\beta)+14i\sin^{4}(\beta)+14i\sin^{4}(\beta)+14i\sin^{4}(\beta)+14i\cos
+(i\sin(\beta)\cos^{7}(\beta)-3i\sin^{3}(\beta)\cos^{5}(\beta)+3i\sin^{5}(\beta)\cos^{3}(\beta)-i\sin^{7}(\beta)\cos(\beta))(\cos^{8}(\beta)+4i\sin(\beta)\cos^{7}(\beta)-18\sin^{2}(\beta)\cos^{6}(\beta)
  -28i\sin^{3}(\beta)\cos^{5}(\beta) + 38\sin^{4}(\beta)\cos^{4}(\beta) + 28i\sin^{5}(\beta)\cos^{3}(\beta) - 18\sin^{6}(\beta)\cos^{2}(\beta) - 4i\sin^{7}(\beta)\cos(\beta) + \sin^{8}(\beta) + e^{-8i\gamma}\left(-\sin^{2}(\beta)\cos^{2}(\beta) + \sin^{2}(\beta)\cos^{2}(\beta)\right) + \sin^{4}(\beta)\cos^{4}(\beta) + 28i\sin^{5}(\beta)\cos^{3}(\beta) - 18\sin^{6}(\beta)\cos^{2}(\beta) - 4i\sin^{7}(\beta)\cos(\beta) + \sin^{8}(\beta) + e^{-8i\gamma}\left(-\sin^{2}(\beta)\cos^{2}(\beta) + \sin^{2}(\beta)\cos^{2}(\beta)\right) + \sin^{4}(\beta)\cos^{4}(\beta) + \cos^{4}(\beta)\cos^{4}(\beta) + \cos^{4}(\beta)\cos^{4}(\beta) + \cos^{4}(\beta)\cos^{4}(\beta) + \cos^{4}(\beta)\cos^{4}(\beta) + \cos^{4}(\beta)\cos^{4}(\beta) + \cos^{4}(\beta)\cos^{4}(\beta) + \cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta) + \cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos
+e^{8i\gamma}\left(-\sin^2(\beta)\cos^6(\beta)-\sin^6(\beta)\cos^2(\beta)\right)+e^{-4i\gamma}\left(2i\sin(\beta)\cos^7(\beta)-4\sin^2(\beta)\cos^6(\beta)-14i\sin^3(\beta)\cos^5(\beta)+16\sin^4(\beta)\cos^2(\beta)\right)
+e^{4i\gamma}(2i\sin(\beta)\cos^{7}(\beta)-4\sin^{2}(\beta)\cos^{6}(\beta)-14i\sin^{3}(\beta)\cos^{5}(\beta)+16\sin^{4}(\beta)\cos^{4}(\beta)+14i\sin^{5}(\beta)\cos^{3}(\beta)-4\sin^{6}(\beta)\cos^{2}(\beta)
  +(2i\sin(\beta)\cos^{7}(\beta)-6i\sin^{3}(\beta)\cos^{5}(\beta)+6i\sin^{5}(\beta)\cos^{3}(\beta)-2i\sin^{7}(\beta)\cos(\beta))(\cos^{8}(\beta)+2i\sin(\beta)\cos^{7}(\beta)-14\sin^{2}(\beta)\cos^{6}(\beta)
  -30i\sin^{3}(\beta)\cos^{5}(\beta) + 46\sin^{4}(\beta)\cos^{4}(\beta) + 30i\sin^{5}(\beta)\cos^{3}(\beta) - 14\sin^{6}(\beta)\cos^{2}(\beta) - 2i\sin^{7}(\beta)\cos(\beta) + \sin^{8}(\beta) + e^{-8i\gamma}\left(-\sin^{2}(\beta)\cos^{2}(\beta) + 30i\sin^{2}(\beta)\cos^{2}(\beta)\right) + 30i\sin^{3}(\beta)\cos^{2}(\beta) + 30i\sin^{2}(\beta)\cos^{2}(\beta) + 30i\sin^{2}(\beta) + 3
+e^{8i\gamma}\left(-\sin^2(\beta)\cos^6(\beta)-\sin^6(\beta)\cos^2(\beta)\right)+e^{-4i\gamma}\left(3i\sin(\beta)\cos^7(\beta)-6\sin^2(\beta)\cos^6(\beta)-13i\sin^3(\beta)\cos^5(\beta)+12\sin^4(\beta)\cos^2(\beta)\right)
  +e^{4i\gamma} \left(3i\sin(\beta)\cos^{7}(\beta)-6\sin^{2}(\beta)\cos^{6}(\beta)-13i\sin^{3}(\beta)\cos^{5}(\beta)+12\sin^{4}(\beta)\cos^{4}(\beta)+13i\sin^{5}(\beta)\cos^{3}(\beta)-6\sin^{6}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)+13i\sin^{2}(\beta)+13i\sin^{2}(\beta)+13i\sin^{2}(\beta)+13i\sin^{2}(\beta)+13i
+e^{-8i\gamma}\left(i\cos^{3}(\beta)\sin^{5}(\beta)-i\cos^{5}(\beta)\sin^{3}(\beta)\right)\left(-20\sin^{2}(\beta)\cos^{6}(\beta)-32i\sin^{3}(\beta)\cos^{5}(\beta)+2e^{8i\gamma}\sin^{4}(\beta)\cos^{4}(\beta)+36\sin^{4}(\beta)\cos^{5}(\beta)+2e^{8i\gamma}\sin^{4}(\beta)\cos^{5}(\beta)+3e^{8i\gamma}\sin^{4}(\beta)\cos^{5}(\beta)+3e^{8i\gamma}\sin^{4}(\beta)\cos^{5}(\beta)+3e^{8i\gamma}\sin^{4}(\beta)\cos^{5}(\beta)+3e^{8i\gamma}\sin^{4}(\beta)\cos^{5}(\beta)+3e^{8i\gamma}\sin^{4}(\beta)\cos^{5}(\beta)+3e^{8i\gamma}\sin^{4}(\beta)\cos^{5}(\beta)+3e^{8i\gamma}\sin^{4}(\beta)\cos^{5}(\beta)+3e^{8i\gamma}\sin^{4}(\beta)\cos^{5}(\beta)+3e^{8i\gamma}\sin^{4}(\beta)\cos^{5}(\beta)+3e^{8i\gamma}\sin^{4}(\beta)\cos^{5}(\beta)+3e^{8i\gamma}\sin^{4}(\beta)\cos^{5}(\beta)+3e^{8i\gamma}\sin^{4}(\beta)\cos^{5}(\beta)+3e^{8i\gamma}\sin^{4}(\beta)\cos^{5}(\beta)+3e^{8i\gamma}\sin^{4}(\beta)\cos^{5}(\beta)+3e^{8i\gamma}\sin^{5}(\beta)\cos^{5}(\beta)+3e^{8i\gamma}\sin^{5}(\beta)\cos^{5}(\beta)+3e^{8i\gamma}\sin^{5}(\beta)\cos^{5}(\beta)+3e^{8i\gamma}\sin^{5}(\beta)\cos^{5}(\beta)+3e^{8i\gamma}\sin^{5}(\beta)\cos^{5}(\beta)+3e^{8i\gamma}\sin^{5}(\beta)\cos^{5}(\beta)+3e^{8i\gamma}\sin^{5}(\beta)\cos^{5}(\beta)+3e^{8i\gamma}\sin^{5}(\beta)\cos^{5}(\beta)+3e^{8i\gamma}\sin^{5}(\beta)\cos^{5}(\beta)+3e^{8i\gamma}\sin^{5}(\beta)\cos^{5}(\beta)+3e^{8i\gamma}\sin^{5}(\beta)\cos^{5}(\beta)+3e^{8i\gamma}\sin^{5}(\beta)\cos^{5}(\beta)+3e^{8i\gamma}\sin^{5}(\beta)\cos^{5}(\beta)+3e^{8i\gamma}\sin^{5}(\beta)\cos^{5}(\beta)+3e^{8i\gamma}\sin^{5}(\beta)\cos^{5}(\beta)+3e^{8i\gamma}\sin^{5}(\beta)\cos^{5}(\beta)+3e^{8i\gamma}\sin^{5}(\beta)\cos^{5}(\beta)+3e^{8i\gamma}\sin^{5}(\beta)\cos^{5}(\beta)+3e^{8i\gamma}\sin^{5}(\beta)\cos^{5}(\beta)+3e^{8i\gamma}\sin^{5}(\beta)\cos^{5}(\beta)+3e^{8i\gamma}\sin^{5}(\beta)\cos^{5}(\beta)+3e^{8i\gamma}\sin^{5}(\beta)\cos^{5}(\beta)+3e^{8i\gamma}\sin^{5}(\beta)+3e^{8i\gamma}\sin^{5}(\beta)\cos^{5}(\beta)+3e^{8i\gamma}\sin^{5}(\beta)\cos^{5}(\beta)+3e^{8i\gamma}\sin^{5}(\beta)\cos^{5}(\beta)+3e^{8i\gamma}\sin^{5}(\beta)\cos^{5}(\beta)+3e^{8i\gamma}\sin^{5}(\beta)\cos^{5}(\beta)+3e^{8i\gamma}\sin^{5}(\beta)\cos^{5}(\beta)+3e^{8i\gamma}\sin^{5}(\beta)\cos^{5}(\beta)+3e^{8i\gamma}\sin^{5}(\beta)\cos^{5}(\beta)+3e^{8i\gamma}\sin^{5}(\beta)\cos^{5}(\beta)+3e^{8i\gamma}\sin^{5}(\beta)\cos^{5}(\beta)+3e^{8i\gamma}\sin^{5}(\beta)+3e^{8i\gamma}\sin^{5}(\beta)\cos^{5}(\beta)+3e^{8i\gamma}\sin^{5}(\beta)\cos^{5}(\beta)+3e^{8i\gamma}\sin^{5}(\beta)\cos^{5}(\beta)+3e^{8i\gamma}\sin^{5}(\beta)\cos^{5}(\beta)+3e^{8i\gamma}\sin^{5}(\beta)\cos^{5}(\beta)+3e^{8i\gamma}\sin^{5}(\beta)\cos^{5}(\beta)+3e^{8i\gamma}\sin^{5}(\beta)+3e^{8i\gamma}\sin^{5}(\beta)+3e^{8i\gamma}\sin^{5}(\beta)+3e^{8i\gamma}\sin^{5}(\beta)+3e^{8i\gamma}\sin^{5}(\beta)+3e^{8i\gamma}\sin^{5}(\beta)+3e^{8i\gamma}\sin^{5}(\beta)+3e^{8i\gamma}\sin^{5}(\beta)+3e^{8i\gamma}\sin^{5}(\beta)+3e^{8i\gamma}\sin^{5}(\beta)+3e^{8i\gamma}\sin^{5}(\beta)+3e^{8i\gamma}\sin^{5}(\beta)+3e^{8i\gamma}\sin^{5}(\beta)+3e^{8i\gamma}\sin^{5}(\beta)+3e^{8i\gamma}\sin^{5}(\beta)+3e^{8i\gamma}\sin^{5}(\beta)+3e^{8i\gamma}\sin^{5}(\beta)+3e^{8i\gamma}\sin^{5}(\beta)+3e^{8i\gamma}\sin^{5}(\beta)+3e^{8i\gamma}\sin^{5}(\beta)+3e^{8i\gamma}\sin^{5}(\beta)+3e^{8i\gamma}\sin^{5}(\beta)+3e^{8i\gamma}\sin^{5}(\beta)+3e^{8i\gamma}\sin^{5}(\beta)+3e^{8i\gamma}\sin^{5}(\beta)+3e^{8i\gamma}\sin^{5}(\beta)+3e^{8i\gamma}\sin^{5}(\beta)+3e^{8i\gamma}\sin^{5}(\beta)+3e^{8i\gamma}\sin^{5}(\beta)+3e^{8i\gamma}\sin^{5}(\beta)+3e^{8i\gamma}\sin^{5}(\beta)+3e^{8i\gamma}\sin^{5}(\beta)+3e^{8i\gamma
  +32i\sin^{5}(\beta)\cos^{3}(\beta)-20\sin^{6}(\beta)\cos^{2}(\beta)+e^{4i\gamma}\left(-16i\sin^{3}(\beta)\cos^{5}(\beta)+24\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{5}(\beta)\cos^{3}(\beta)\right)+e^{-4i\gamma}\left(8i\sin^{3}(\beta)\cos^{5}(\beta)+24\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{5}(\beta)\cos^{3}(\beta)\right)
  +e^{-8i\gamma}\left(\cos^8(\beta)+\sin^8(\beta)\right)
  +e^{8i\gamma}\left(i\cos^{7}(\beta)\sin(\beta)-i\cos(\beta)\sin^{7}(\beta)\right)\left(-20\sin^{2}(\beta)\cos^{6}(\beta)-32i\sin^{3}(\beta)\cos^{5}(\beta)+2e^{-8i\gamma}\sin^{4}(\beta)\cos^{4}(\beta)+36\sin^{4}(\beta)\cos^{4}(\beta)+36\sin^{4}(\beta)\cos^{4}(\beta)+36\sin^{4}(\beta)\cos^{4}(\beta)+36\sin^{4}(\beta)\cos^{4}(\beta)+36\sin^{4}(\beta)\cos^{4}(\beta)+36\sin^{4}(\beta)\cos^{4}(\beta)+36\sin^{4}(\beta)\cos^{4}(\beta)+36\sin^{4}(\beta)\cos^{4}(\beta)+36\sin^{4}(\beta)\cos^{4}(\beta)+36\sin^{4}(\beta)\cos^{4}(\beta)+36\sin^{4}(\beta)\cos^{4}(\beta)+36\sin^{4}(\beta)\cos^{4}(\beta)+36\sin^{4}(\beta)\cos^{4}(\beta)+36\sin^{4}(\beta)\cos^{4}(\beta)+36\sin^{4}(\beta)\cos^{4}(\beta)+36\sin^{4}(\beta)\cos^{4}(\beta)+36\sin^{4}(\beta)\cos^{4}(\beta)+36\sin^{4}(\beta)\cos^{4}(\beta)+36\sin^{4}(\beta)\cos^{4}(\beta)+36\sin^{4}(\beta)\cos^{4}(\beta)+36\sin^{4}(\beta)\cos^{4}(\beta)+36\sin^{4}(\beta)\cos^{4}(\beta)+36\sin^{4}(\beta)\cos^{4}(\beta)+36\sin^{4}(\beta)\cos^{4}(\beta)+36\sin^{4}(\beta)\cos^{4}(\beta)+36\sin^{4}(\beta)\cos^{4}(\beta)+36\sin^{4}(\beta)\cos^{4}(\beta)+36\sin^{4}(\beta)\cos^{4}(\beta)+36\sin^{4}(\beta)\cos^{4}(\beta)+36\sin^{4}(\beta)\cos^{4}(\beta)+36\sin^{4}(\beta)\cos^{4}(\beta)+36\sin^{4}(\beta)\cos^{4}(\beta)+36\sin^{4}(\beta)\cos^{4}(\beta)+36\sin^{4}(\beta)\cos^{4}(\beta)+36\sin^{4}(\beta)\cos^{4}(\beta)+36\sin^{4}(\beta)\cos^{4}(\beta)+36\sin^{4}(\beta)\cos^{4}(\beta)+36\sin^{4}(\beta)\cos^{4}(\beta)+36\sin^{4}(\beta)\cos^{4}(\beta)+36\sin^{4}(\beta)\cos^{4}(\beta)+36\sin^{4}(\beta)\cos^{4}(\beta)+36\sin^{4}(\beta)\cos^{4}(\beta)+36\sin^{4}(\beta)\cos^{4}(\beta)+36\sin^{4}(\beta)\cos^{4}(\beta)+36\sin^{4}(\beta)\cos^{4}(\beta)+36\sin^{4}(\beta)\cos^{4}(\beta)+36\sin^{4}(\beta)\cos^{4}(\beta)+36\sin^{4}(\beta)\cos^{4}(\beta)+36\sin^{4}(\beta)\cos^{4}(\beta)+36\sin^{4}(\beta)\cos^{4}(\beta)+36\sin^{4}(\beta)\cos^{4}(\beta)+36\sin^{4}(\beta)\cos^{4}(\beta)+36\sin^{4}(\beta)\cos^{4}(\beta)+36\sin^{4}(\beta)\cos^{4}(\beta)+36\sin^{4}(\beta)\cos^{4}(\beta)+36\sin^{4}(\beta)\cos^{4}(\beta)+36\sin^{4}(\beta)\cos^{4}(\beta)+36\sin^{4}(\beta)\cos^{4}(\beta)+36\sin^{4}(\beta)\cos^{4}(\beta)+36\sin^{4}(\beta)\cos^{4}(\beta)+36\sin^{4}(\beta)\cos^{4}(\beta)+36\sin^{4}(\beta)\cos^{4}(\beta)+36\sin^{4}(\beta)\cos^{4}(\beta)+36\sin^{4}(\beta)\cos^{4}(\beta)+36\sin^{4}(\beta)\cos^{4}(\beta)+36\sin^{4}(\beta)\cos^{4}(\beta)+36\sin^{4}(\beta)\cos^{4}(\beta)+36\sin^{4}(\beta)\cos^{4}(\beta)+36\sin^{4}(\beta)\cos^{4}(\beta)+36\sin^{4}(\beta)\cos^{4}(\beta)+36\sin^{4}(\beta)\cos^{4}(\beta)+36\sin^{4}(\beta)\cos^{4}(\beta)+36\sin^{4}(\beta)\cos^{4}(\beta)+36\sin^{4}(\beta)\cos^{4}(\beta)+36\sin^{4}(\beta)\cos^{4}(\beta)+36\sin^{4}(\beta)\cos^{4}(\beta)+36\sin^{4}(\beta)\cos^{4}(\beta)+36\sin^{4}(\beta)\cos^{4}(\beta)+36\sin^{4}(\beta)\cos^{4}(\beta)+36\sin^{4}(\beta)\cos^{4}(\beta)+36\sin^{4}(\beta)\cos^{4}(\beta)+36\sin^{4}(\beta)\cos^{4}(\beta)+36\sin^{4}(\beta)\cos^{4}(\beta)+36\sin^{4}(\beta)\cos^{4}(\beta)+36\sin^{4}(\beta)\cos^{4}(\beta)+36\sin^{4}(\beta)\cos^{4}(\beta)+36\sin^{4}(\beta)\cos^{4}(\beta)+36\sin^{4}(\beta)\cos^{4}(\beta)+36\sin^{4}(\beta)\cos^{4}(\beta)+36\sin^{4}(\beta)\cos^{4}(\beta)+36\sin^{4}(\beta)\cos^{4}(\beta)+36\sin^{4}(\beta)\cos^{4}(\beta)+36\sin^{4}(\beta)\cos^{4}(\beta)+36\sin^{4}(\beta)\cos^{4}(\beta)+36\sin^{4}(\beta)\cos^{4}(\beta)+36\sin^{4}(\beta)\cos^{4}(\beta)+36\sin^{4}(\beta)\cos^{4}(\beta)+36\sin^{4}(\beta)\cos^{4}(\beta)+36\sin^{4}(\beta)+36\sin^{4}(\beta)\cos^{4}(\beta)+36\sin^{4}(\beta)\cos^{4}(\beta)+36\sin^{4}(\beta)\cos^{4}(\beta)+36\sin^{4}
+32i\sin^{5}(\beta)\cos^{3}(\beta)-20\sin^{6}(\beta)\cos^{2}(\beta)+e^{-4i\gamma}\left(-16i\sin^{3}(\beta)\cos^{5}(\beta)+24\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{5}(\beta)\cos^{3}(\beta)\right)
+e^{4i\gamma}(8i\sin(\beta)\cos^{7}(\beta)-8\sin^{2}(\beta)\cos^{6}(\beta)-8i\sin^{3}(\beta)\cos^{5}(\beta)+8\sin^{4}(\beta)\cos^{4}(\beta)+8i\sin^{5}(\beta)\cos^{3}(\beta)-8\sin^{6}(\beta)\cos^{2}(\beta)-8i\sin^{4}(\beta)\cos^{5}(\beta)
  +e^{8i\gamma}\left(\cos^8(\beta)+\sin^8(\beta)\right)
+e^{-4i\gamma}\left(-3\sin^2(\beta)\cos^6(\beta)+10\sin^4(\beta)\cos^4(\beta)-3\sin^6(\beta)\cos^2(\beta)\right)\left(5i\sin(\beta)\cos^7(\beta)-12\sin^2(\beta)\cos^6(\beta)-33i\sin^3(\beta)\cos^5(\beta)\right)
+40\sin^{4}(\beta)\cos^{4}(\beta)+33i\sin^{5}(\beta)\cos^{3}(\beta)-12\sin^{6}(\beta)\cos^{2}(\beta)-5i\sin^{7}(\beta)\cos(\beta)+e^{8i\gamma}\left(i\cos^{3}(\beta)\sin^{5}(\beta)-i\cos^{5}(\beta)\sin^{3}(\beta)\right)
+e^{4i\gamma}\left(-6\sin^{2}(\beta)\cos^{6}(\beta)-12i\sin^{3}(\beta)\cos^{5}(\beta)+20\sin^{4}(\beta)\cos^{4}(\beta)+12i\sin^{5}(\beta)\cos^{3}(\beta)-6\sin^{6}(\beta)\cos^{2}(\beta)\right)+e^{-8i\gamma}\left(i\cos^{7}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)+12i\sin^{5}(\beta)\cos^{3}(\beta)-6\sin^{6}(\beta)\cos^{2}(\beta)\right)+e^{-8i\gamma}\left(i\cos^{7}(\beta)\cos^{4}(\beta)+12i\sin^{5}(\beta)\cos^{4}(\beta)+12i\sin^{5}(\beta)\cos^{4}(\beta)+12i\sin^{5}(\beta)\cos^{4}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)+12i\sin^{5}(\beta)+12i\sin^{5}(\beta)+12i\sin^{5}(\beta)+12i\sin^{5}(\beta)+12i\sin^{5}(\beta)+12i\sin^{5}(\beta
+e^{-4i\gamma}(\cos^8(\beta)+2i\sin(\beta)\cos^7(\beta)-10\sin^2(\beta)\cos^6(\beta)-10i\sin^3(\beta)\cos^5(\beta)+10\sin^4(\beta)\cos^4(\beta)+10i\sin^5(\beta)\cos^3(\beta)-10\sin^2(\beta)\cos^6(\beta)
+e^{4i\gamma}\left(\cos^{8}(\beta)-7\sin^{2}(\beta)\cos^{6}(\beta)-7\sin^{6}(\beta)\cos^{2}(\beta)+\sin^{8}(\beta)\right)\left(5i\sin(\beta)\cos^{7}(\beta)-12\sin^{2}(\beta)\cos^{6}(\beta)-33i\sin^{3}(\beta)\cos^{5}(\beta)\right)
+40\sin^4(\beta)\cos^4(\beta)+33i\sin^5(\beta)\cos^3(\beta)-12\sin^6(\beta)\cos^2(\beta)-5i\sin^7(\beta)\cos(\beta)+e^{-8i\gamma}(i\cos^3(\beta)\sin^5(\beta)-i\cos^5(\beta)\sin^3(\beta))
  +e^{-4i\gamma}\left(-6\sin^2(\beta)\cos^6(\beta)-12i\sin^3(\beta)\cos^5(\beta)+20\sin^4(\beta)\cos^4(\beta)+12i\sin^5(\beta)\cos^3(\beta)-6\sin^6(\beta)\cos^2(\beta)\right)+e^{8i\gamma}\left(i\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos
+e^{4i\gamma}\left(\cos^{8}(\beta)+2i\sin(\beta)\cos^{7}(\beta)-10\sin^{2}(\beta)\cos^{6}(\beta)-10i\sin^{3}(\beta)\cos^{5}(\beta)+10\sin^{4}(\beta)\cos^{4}(\beta)+10i\sin^{5}(\beta)\cos^{3}(\beta)-10\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)+10i\sin^{6}(\beta)+10i\sin^{6}(\beta)+10i\sin^{6}(\beta)+10i\sin^{6}(\beta)+10i\sin^{6}(\beta)+1
+e^{-4i\gamma}\left(-3\sin^{2}(\beta)\cos^{6}(\beta)+10\sin^{4}(\beta)\cos^{4}(\beta)-3\sin^{6}(\beta)\cos^{2}(\beta)\right)\left(4i\sin(\beta)\cos^{7}(\beta)-16\sin^{2}(\beta)\cos^{6}(\beta)-34i\sin^{3}(\beta)\cos^{5}(\beta)+10\sin^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{2}(\beta)\right)
  +32\sin^{4}(\beta)\cos^{4}(\beta)+34i\sin^{5}(\beta)\cos^{3}(\beta)-16\sin^{6}(\beta)\cos^{2}(\beta)-4i\sin^{7}(\beta)\cos(\beta)+e^{-8i\gamma}\left(i\cos^{3}(\beta)\sin^{5}(\beta)-i\cos^{5}(\beta)\sin^{3}(\beta)\right)
  +e^{8i\gamma}\left(i\cos^{3}(\beta)\sin^{5}(\beta)-i\cos^{5}(\beta)\sin^{3}(\beta)\right)+e^{4i\gamma}\left(-4\sin^{2}(\beta)\cos^{6}(\beta)-12i\sin^{3}(\beta)\cos^{5}(\beta)+24\sin^{4}(\beta)\cos^{4}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)+12i\sin^{5}(\beta)+12i\sin^{5}(\beta)+12i\sin^{5}(\beta)+12i\sin^{5}(\beta)+12i\sin^{5}(
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 $+e^{-4i\gamma}(\cos^8(\beta)+4i\sin(\beta)\cos^7(\beta)-8\sin^2(\beta)\cos^6(\beta)-8i\sin^3(\beta)\cos^5(\beta)+14\sin^4(\beta)\cos^4(\beta)+8i\sin^5(\beta)\cos^3(\beta)-8\sin^6(\beta)$

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(2e^{-8i\gamma}\cos^4(\beta)(-20\sin^2(\beta)\cos^6(\beta) - 32i\sin^3(\beta)\cos^5(\beta) + 2e^{8i\gamma}\sin^4(\beta)\cos^4(\beta) + 36\sin^4(\beta)\cos^4(\beta)
+32i\sin^{5}(\beta)\cos^{3}(\beta)-20\sin^{6}(\beta)\cos^{2}(\beta)+e^{4i\gamma}\left(-16i\sin^{3}(\beta)\cos^{5}(\beta)+24\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{5}(\beta)\cos^{3}(\beta)\right)
+e^{-4i\gamma}(8i\sin(\beta)\cos^{7}(\beta)-8\sin^{2}(\beta)\cos^{6}(\beta)-8i\sin^{3}(\beta)\cos^{5}(\beta)+8\sin^{4}(\beta)\cos^{4}(\beta)+8i\sin^{5}(\beta)\cos^{3}(\beta)-8\sin^{6}(\beta)\cos^{2}(\beta)-8\sin^{6}(\beta)\cos^{6}(\beta)
 +e^{-8i\gamma}\left(\cos^{8}(\beta)+\sin^{8}(\beta)\right)\sin^{4}(\beta)+\left(-\sin^{2}(\beta)\cos^{6}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)-\sin^{6}(\beta)\cos^{2}(\beta)\right)\left(\cos^{8}(\beta)+\sin^{8}(\beta)\right)\sin^{4}(\beta)
 +8i\sin(\beta)\cos^{7}(\beta) - 20\sin^{2}(\beta)\cos^{6}(\beta) - 24i\sin^{3}(\beta)\cos^{5}(\beta) + 2e^{-8i\gamma}\sin^{4}(\beta)\cos^{4}(\beta) + 2e^{8i\gamma}\sin^{4}(\beta)\cos^{4}(\beta)
+34\sin^4(\beta)\cos^4(\beta) + 24i\sin^5(\beta)\cos^3(\beta) - 20\sin^6(\beta)\cos^2(\beta) - 8i\sin^7(\beta)\cos(\beta) + \sin^8(\beta)
 +e^{-4i\gamma}\left(-4\sin^2(\beta)\cos^6(\beta)-16i\sin^3(\beta)\cos^5(\beta)+16\sin^4(\beta)\cos^4(\beta)+16i\sin^5(\beta)\cos^3(\beta)-4\sin^6(\beta)\cos^2(\beta)\right)
+e^{4i\gamma}\left(-4\sin^2(\beta)\cos^6(\beta)-16i\sin^3(\beta)\cos^5(\beta)+16\sin^4(\beta)\cos^4(\beta)+16i\sin^5(\beta)\cos^3(\beta)-4\sin^6(\beta)\cos^2(\beta)\right)
+(2i\sin(\beta)\cos^{7}(\beta)-14i\sin^{3}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{3}(\beta)-2i\sin^{7}(\beta)\cos(\beta))(\cos^{8}(\beta)
 +6i\sin(\beta)\cos^{7}(\beta) - 16\sin^{2}(\beta)\cos^{6}(\beta) - 32i\sin^{3}(\beta)\cos^{5}(\beta) + 30\sin^{4}(\beta)\cos^{4}(\beta)
 +32i\sin^{5}(\beta)\cos^{3}(\beta) - 16\sin^{6}(\beta)\cos^{2}(\beta) - 6i\sin^{7}(\beta)\cos(\beta) + \sin^{8}(\beta)
+e^{-8i\gamma}\left(i\cos^{3}(\beta)\sin^{5}(\beta)-i\cos^{5}(\beta)\sin^{3}(\beta)\right)+e^{8i\gamma}\left(i\cos^{3}(\beta)\sin^{5}(\beta)-i\cos^{5}(\beta)\sin^{3}(\beta)\right)
+e^{-4i\gamma} \left( i\sin(\beta)\cos^{7}(\beta) - 6\sin^{2}(\beta)\cos^{6}(\beta) - 11i\sin^{3}(\beta)\cos^{5}(\beta) + 20\sin^{4}(\beta)\cos^{4}(\beta) + 11i\sin^{5}(\beta)\cos^{3}(\beta) - 6\sin^{6}(\beta)\cos^{2}(\beta) + 20\sin^{4}(\beta)\cos^{4}(\beta) + 11i\sin^{5}(\beta)\cos^{3}(\beta) - 6\sin^{6}(\beta)\cos^{2}(\beta) + 20\sin^{4}(\beta)\cos^{4}(\beta) + 11i\sin^{5}(\beta)\cos^{3}(\beta) - 6\sin^{6}(\beta)\cos^{2}(\beta) + 20\sin^{4}(\beta)\cos^{4}(\beta) + 11i\sin^{5}(\beta)\cos^{3}(\beta) + 20\sin^{4}(\beta)\cos^{4}(\beta) + 11i\sin^{5}(\beta)\cos^{5}(\beta) + 20\sin^{4}(\beta)\cos^{5}(\beta) + 20\sin^{4}(\beta)\cos^{5}(\beta)
+e^{4i\gamma}(i\sin(\beta)\cos^{7}(\beta)-6\sin^{2}(\beta)\cos^{6}(\beta)-11i\sin^{3}(\beta)\cos^{5}(\beta)+20\sin^{4}(\beta)\cos^{4}(\beta)+11i\sin^{5}(\beta)\cos^{3}(\beta)-6\sin^{6}(\beta)\cos^{2}(\beta)-11i\sin^{3}(\beta)\cos^{5}(\beta)
+(-4\sin^2(\beta)\cos^6(\beta)+8\sin^4(\beta)\cos^4(\beta)-4\sin^6(\beta)\cos^2(\beta))(\cos^8(\beta)+6i\sin(\beta)\cos^7(\beta)-16\sin^2(\beta)\cos^6(\beta)-26i\sin^3(\beta)\cos^2(\beta))
 +2e^{-8i\gamma}\sin^4(\beta)\cos^4(\beta)+2e^{8i\gamma}\sin^4(\beta)\cos^4(\beta)+42\sin^4(\beta)\cos^4(\beta)+26i\sin^5(\beta)\cos^3(\beta)-16\sin^6(\beta)\cos^2(\beta)-6i\sin^7(\beta)\cos^2(\beta)
+\sin^{8}(\beta) + e^{-4i\gamma} \left( i\sin(\beta)\cos^{7}(\beta) - 6\sin^{2}(\beta)\cos^{6}(\beta) - 15i\sin^{3}(\beta)\cos^{5}(\beta) + 12\sin^{4}(\beta)\cos^{4}(\beta) + 15i\sin^{5}(\beta)\cos^{3}(\beta) - 6\sin^{6}(\beta)\cos^{6}(\beta) + 15i\sin^{6}(\beta)\cos^{6}(\beta) + 15i\sin^{6}(\beta) + 15i\sin^{6}(\beta)
+e^{4i\gamma}\left(i\sin(\beta)\cos^{7}(\beta)-6\sin^{2}(\beta)\cos^{6}(\beta)-15i\sin^{3}(\beta)\cos^{5}(\beta)+12\sin^{4}(\beta)\cos^{4}(\beta)+15i\sin^{5}(\beta)\cos^{3}(\beta)-6\sin^{6}(\beta)\cos^{2}(\beta)-15i\sin^{3}(\beta)\cos^{5}(\beta)+12\sin^{4}(\beta)\cos^{4}(\beta)+15i\sin^{5}(\beta)\cos^{3}(\beta)-6\sin^{6}(\beta)\cos^{2}(\beta)-15i\sin^{4}(\beta)\cos^{5}(\beta)+12\sin^{4}(\beta)\cos^{4}(\beta)+15i\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{4}(\beta)\cos^{5}(\beta)+12\sin^{4}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin
+(2i\sin(\beta)\cos^{7}(\beta)-14i\sin^{3}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{3}(\beta)-2i\sin^{7}(\beta)\cos(\beta))(\cos^{8}(\beta)+4i\sin(\beta)\cos^{7}(\beta)-12\sin^{2}(\beta)\cos^{2}(\beta)
 -34i\sin^{3}(\beta)\cos^{5}(\beta) + 38\sin^{4}(\beta)\cos^{4}(\beta) + 34i\sin^{5}(\beta)\cos^{3}(\beta) - 12\sin^{6}(\beta)\cos^{2}(\beta) - 4i\sin^{7}(\beta)\cos(\beta) + \sin^{8}(\beta) + e^{-8i\gamma}(i\cos^{3}(\beta)\cos^{2}(\beta) + 3\sin^{4}(\beta)\cos^{4}(\beta) + 3\sin^{4}(\beta)\cos^{4}(\beta) + 3\sin^{4}(\beta)\cos^{3}(\beta) + 3\sin^{4}(\beta)\cos^{4}(\beta) + 3\sin^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta) + 3\sin^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta) + 3\sin^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta) + 3\sin^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{
+e^{8i\gamma}(i\cos^3(\beta)\sin^5(\beta)-i\cos^5(\beta)\sin^3(\beta))+e^{-4i\gamma}(2i\sin(\beta)\cos^7(\beta)-8\sin^2(\beta)\cos^6(\beta)-10i\sin^3(\beta)\cos^5(\beta)+16\sin^4(\beta)\cos^2(\beta)\sin^3(\beta)\sin^3(\beta)\sin^3(\beta)\cos^3(\beta)\sin^3(\beta)\cos^3(\beta)\sin^3(\beta)\cos^3(\beta)\sin^3(\beta)\cos^3(\beta)\sin^3(\beta)\cos^3(\beta)\sin^3(\beta)\cos^3(\beta)\sin^3(\beta)\cos^3(\beta)\cos^3(\beta)\sin^3(\beta)\cos^3(\beta)\cos^3(\beta)\sin^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^
 +e^{4i\gamma} \left(2i\sin(\beta)\cos^{7}(\beta)-8\sin^{2}(\beta)\cos^{6}(\beta)-10i\sin^{3}(\beta)\cos^{5}(\beta)+16\sin^{4}(\beta)\cos^{4}(\beta)+10i\sin^{5}(\beta)\cos^{3}(\beta)-8\sin^{6}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)+10i\sin^{2}(\beta)+10i\sin^{2}(\beta)+10i\sin^{2}(\beta)+10i\sin^{2}(\beta)+10i\sin^{2}(\beta)+10i\sin^{2}(\beta)+10i\sin^{2}(\beta)+10i\sin^{2}(\beta)+10i\sin^{2}(\beta)+10i
 +(-4\sin^2(\beta)\cos^6(\beta)+8\sin^4(\beta)\cos^4(\beta)-4\sin^6(\beta)\cos^2(\beta))(\cos^8(\beta)+4i\sin(\beta)\cos^7(\beta)-15\sin^2(\beta)\cos^6(\beta)-28i\sin^3(\beta)\cos^2(\beta)
+2e^{8i\gamma}\sin^4(\beta)\cos^4(\beta)+44\sin^4(\beta)\cos^4(\beta)+28i\sin^5(\beta)\cos^3(\beta)-15\sin^6(\beta)\cos^2(\beta)-4i\sin^7(\beta)\cos(\beta)+\sin^8(\beta)
+e^{-8i\gamma}\left(-\sin^{2}(\beta)\cos^{6}(\beta)-\sin^{6}(\beta)\cos^{2}(\beta)\right)+e^{4i\gamma}\left(2i\sin(\beta)\cos^{7}(\beta)-7\sin^{2}(\beta)\cos^{6}(\beta)-14i\sin^{3}(\beta)\cos^{5}(\beta)+10\sin^{4}(\beta)\cos^{6}(\beta)\right)
 +e^{-4i\gamma} \left(2i\sin(\beta)\cos^{7}(\beta)-5\sin^{2}(\beta)\cos^{6}(\beta)-14i\sin^{3}(\beta)\cos^{5}(\beta)+14\sin^{4}(\beta)\cos^{4}(\beta)+14i\sin^{5}(\beta)\cos^{3}(\beta)-5\sin^{6}(\beta)\cos^{2}(\beta)\right)
+(-4\sin^2(\beta)\cos^6(\beta)+8\sin^4(\beta)\cos^4(\beta)-4\sin^6(\beta)\cos^2(\beta))(\cos^8(\beta)+4i\sin(\beta)\cos^7(\beta)-15\sin^2(\beta)\cos^6(\beta)-28i\sin^3(\beta)\cos^2(\beta))
 +2e^{-8i\gamma}\sin^4(\beta)\cos^4(\beta)+44\sin^4(\beta)\cos^4(\beta)+28i\sin^5(\beta)\cos^3(\beta)-15\sin^6(\beta)\cos^2(\beta)-4i\sin^7(\beta)\cos(\beta)+\sin^8(\beta)
+e^{8i\gamma}\left(-\sin^2(\beta)\cos^6(\beta)-\sin^6(\beta)\cos^2(\beta)\right)+e^{-4i\gamma}\left(2i\sin(\beta)\cos^7(\beta)-7\sin^2(\beta)\cos^6(\beta)-14i\sin^3(\beta)\cos^5(\beta)+10\sin^4(\beta)\cos^2(\beta)\right)
+e^{4i\gamma} \left(2i\sin(\beta)\cos^{7}(\beta)-5\sin^{2}(\beta)\cos^{6}(\beta)-14i\sin^{3}(\beta)\cos^{5}(\beta)+14\sin^{4}(\beta)\cos^{4}(\beta)+14i\sin^{5}(\beta)\cos^{3}(\beta)-5\sin^{6}(\beta)\cos^{2}(\beta)-14i\sin^{3}(\beta)\cos^{5}(\beta)+14\sin^{4}(\beta)\cos^{4}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{4}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)+14\sin^{5}(\beta)+14\sin^{5}(\beta)+14\sin^{5}
+(-2\sin^2(\beta)\cos^6(\beta)+4\sin^4(\beta)\cos^4(\beta)-2\sin^6(\beta)\cos^2(\beta))(\cos^8(\beta)+4i\sin(\beta)\cos^7(\beta)-18\sin^2(\beta)\cos^6(\beta)-28i\sin^3(\beta)\cos^2(\beta))
 +38\sin^{4}(\beta)\cos^{4}(\beta)+28i\sin^{5}(\beta)\cos^{3}(\beta)-18\sin^{6}(\beta)\cos^{2}(\beta)-4i\sin^{7}(\beta)\cos(\beta)+\sin^{8}(\beta)+e^{-8i\gamma}\left(-\sin^{2}(\beta)\cos^{6}(\beta)-\sin^{6}(\beta)\cos^{2}(\beta)+\sin^{6}(\beta)\cos^{2}(\beta)+\sin^{6}(\beta)\cos^{2}(\beta)+\sin^{6}(\beta)\cos^{2}(\beta)+\sin^{6}(\beta)\cos^{2}(\beta)+\sin^{6}(\beta)\cos^{2}(\beta)+\sin^{6}(\beta)\cos^{2}(\beta)+\sin^{6}(\beta)\cos^{2}(\beta)+\sin^{6}(\beta)\cos^{2}(\beta)+\sin^{6}(\beta)\cos^{2}(\beta)+\sin^{6}(\beta)\cos^{2}(\beta)+\sin^{6}(\beta)\cos^{2}(\beta)+\sin^{6}(\beta)\cos^{2}(\beta)+\sin^{6}(\beta)\cos^{2}(\beta)+\sin^{6}(\beta)\cos^{2}(\beta)+\sin^{6}(\beta)\cos^{2}(\beta)+\sin^{6}(\beta)\cos^{2}(\beta)+\sin^{6}(\beta)\cos^{2}(\beta)+\sin^{6}(\beta)\cos^{2}(\beta)+\sin^{6}(\beta)\cos^{2}(\beta)+\sin^{6}(\beta)\cos^{2}(\beta)+\sin^{6}(\beta)\cos^{2}(\beta)+\sin^{6}(\beta)\cos^{2}(\beta)+\sin^{6}(\beta)\cos^{2}(\beta)+\sin^{6}(\beta)\cos^{2}(\beta)+\sin^{6}(\beta)\cos^{2}(\beta)+\sin^{6}(\beta)\cos^{2}(\beta)+\sin^{6}(\beta)\cos^{2}(\beta)+\sin^{6}(\beta)\cos^{2}(\beta)+\sin^{6}(\beta)\cos^{2}(\beta)+\sin^{6}(\beta)\cos^{2}(\beta)+\sin^{6}(\beta)\cos^{2}(\beta)+\sin^{6}(\beta)\cos^{2}(\beta)+\sin^{6}(\beta)\cos^{6}(\beta)+\sin^{6}(\beta)\cos^{6}(\beta)+\sin^{6}(\beta)\cos^{6}(\beta)+\sin^{6}(\beta)\cos^{6}(\beta)+\sin^{6}(\beta)\cos^{6}(\beta)+\sin^{6}(\beta)\cos^{6}(\beta)+\sin^{6}(\beta)\cos^{6}(\beta)+\sin^{6}(\beta)\cos^{6}(\beta)+\sin^{6}(\beta)\cos^{6}(\beta)+\sin^{6}(\beta)\cos^{6}(\beta)+\sin^{6}(\beta)\cos^{6}(\beta)+\sin^{6}(\beta)\cos^{6}(\beta)+\sin^{6}(\beta)\cos^{6}(\beta)+\sin^{6}(\beta)\cos^{6}(\beta)+\sin^{6}(\beta)\cos^{6}(\beta)+\sin^{6}(\beta)\cos^{6}(\beta)+\sin^{6}(\beta)\cos^{6}(\beta)+\sin^{6}(\beta)\cos^{6}(\beta)+\sin^{6}(\beta)\cos^{6}(\beta)+\sin^{6}(\beta)\cos^{6}(\beta)+\sin^{6}(\beta)\cos^{6}(\beta)+\sin^{6}(\beta)\cos^{6}(\beta)+\sin^{6}(\beta)\cos^{6}(\beta)+\sin^{6}(\beta)\cos^{6}(\beta)+\sin^{6}(\beta)\cos^{6}(\beta)+\sin^{6}(\beta)\cos^{6}(\beta)+\sin^{6}(\beta)\cos^{6}(\beta)+\sin^{6}(\beta)\cos^{6}(\beta)+\sin^{6}(\beta)\cos^{6}(\beta)+\sin^{6}(\beta)\cos^{6}(\beta)+\sin^{6}(\beta)\cos^{6}(\beta)+\sin^{6}(\beta)\cos^{6}(\beta)+\sin^{6}(\beta)\cos^{6}(\beta)+\sin^{6}(\beta)\cos^{6}(\beta)+\sin^{6}(\beta)\cos^{6}(\beta)+\sin^{6}(\beta)\cos^{6}(\beta)+\sin^{6}(\beta)\cos^{6}(\beta)+\sin^{6}(\beta)\cos^{6}(\beta)+\sin^{6}(\beta)\cos^{6}(\beta)+\sin^{6}(\beta)\cos^{6}(\beta)+\sin^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6
+e^{8i\gamma}\left(-\sin^2(\beta)\cos^6(\beta)-\sin^6(\beta)\cos^2(\beta)\right)+e^{-4i\gamma}\left(2i\sin(\beta)\cos^7(\beta)-4\sin^2(\beta)\cos^6(\beta)-14i\sin^3(\beta)\cos^5(\beta)+16\sin^4(\beta)\cos^2(\beta)\right)
+e^{4i\gamma}(2i\sin(\beta)\cos^{7}(\beta)-4\sin^{2}(\beta)\cos^{6}(\beta)-14i\sin^{3}(\beta)\cos^{5}(\beta)+16\sin^{4}(\beta)\cos^{4}(\beta)+14i\sin^{5}(\beta)\cos^{3}(\beta)-4\sin^{6}(\beta)\cos^{2}(\beta)
 +(-4\sin^2(\beta)\cos^6(\beta)+8\sin^4(\beta)\cos^4(\beta)-4\sin^6(\beta)\cos^2(\beta))(\cos^8(\beta)+2i\sin(\beta)\cos^7(\beta)-14\sin^2(\beta)\cos^6(\beta)-30i\sin^3(\beta)\cos^2(\beta))
+46\sin^4(\beta)\cos^4(\beta)+30i\sin^5(\beta)\cos^3(\beta)-14\sin^6(\beta)\cos^2(\beta)-2i\sin^7(\beta)\cos(\beta)+\sin^8(\beta)+e^{-8i\gamma}(-\sin^2(\beta)\cos^6(\beta)-\sin^6(\beta))
+e^{8i\gamma}\left(-\sin^2(\beta)\cos^6(\beta)-\sin^6(\beta)\cos^2(\beta)\right)+e^{-4i\gamma}\left(3i\sin(\beta)\cos^7(\beta)-6\sin^2(\beta)\cos^6(\beta)-13i\sin^3(\beta)\cos^5(\beta)+12\sin^4(\beta)\cos^2(\beta)\right)
 +e^{4i\gamma}(3i\sin(\beta)\cos^7(\beta)-6\sin^2(\beta)\cos^6(\beta)-13i\sin^3(\beta)\cos^5(\beta)+12\sin^4(\beta)\cos^4(\beta)+13i\sin^5(\beta)\cos^3(\beta)-6\sin^6(\beta)\cos^2(\beta)-13i\sin^3(\beta)\cos^5(\beta)+12\sin^4(\beta)\cos^4(\beta)+13i\sin^5(\beta)\cos^5(\beta)
+e^{8i\gamma}\left(-\sin^2(\beta)\cos^6(\beta)-\sin^6(\beta)\cos^2(\beta)\right)\left(-20\sin^2(\beta)\cos^6(\beta)-32i\sin^3(\beta)\cos^5(\beta)+2e^{-8i\gamma}\sin^4(\beta)\cos^4(\beta)+36\sin^4(\beta)\cos^2(\beta)\right)
+32i\sin^{5}(\beta)\cos^{3}(\beta)-20\sin^{6}(\beta)\cos^{2}(\beta)+e^{-4i\gamma}\left(-16i\sin^{3}(\beta)\cos^{5}(\beta)+24\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{5}(\beta)\cos^{3}(\beta)\right)
+e^{4i\gamma} \left(8i\sin(\beta)\cos^{7}(\beta)-8\sin^{2}(\beta)\cos^{6}(\beta)-8i\sin^{3}(\beta)\cos^{5}(\beta)+8\sin^{4}(\beta)\cos^{4}(\beta)+8i\sin^{5}(\beta)\cos^{3}(\beta)-8\sin^{6}(\beta)\cos^{2}(\beta)-8i\sin^{4}(\beta)\cos^{5}(\beta)+8i\sin^{4}(\beta)\cos^{4}(\beta)+8i\sin^{5}(\beta)\cos^{3}(\beta)-8\sin^{6}(\beta)\cos^{2}(\beta)-8i\sin^{4}(\beta)\cos^{5}(\beta)+8i\sin^{4}(\beta)\cos^{4}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)+8i\sin^{5}(\beta)+8i\sin^{5}(\beta)+8i\sin^{5}(\beta)+8i\sin^{5}(\beta)+8i\sin^{5}(\beta)+8i\sin^{5}(\beta)+8i\sin^{5}(\beta)+8i\sin^{5}(\beta)+8i\sin^{5}(\beta)+8i\sin^{5}(\beta)+8i\sin^{5}(\beta)+8i\sin^{5}(\beta
+e^{8i\gamma}\left(\cos^8(\beta)+\sin^8(\beta)\right)
+e^{-4i\gamma}\left(8i\cos^{3}(\beta)\sin^{5}(\beta)-8i\cos^{5}(\beta)\sin^{3}(\beta)\right)\left(5i\sin(\beta)\cos^{7}(\beta)-12\sin^{2}(\beta)\cos^{6}(\beta)-33i\sin^{3}(\beta)\cos^{5}(\beta)+40\sin^{4}(\beta)\cos^{4}(\beta)\sin^{2}(\beta)\cos^{4}(\beta)\sin^{5}(\beta)\cos^{5}(\beta)\sin^{5}(\beta)\cos^{5}(\beta)\sin^{5}(\beta)\cos^{5}(\beta)\sin^{5}(\beta)\cos^{5}(\beta)\sin^{5}(\beta)\cos^{5}(\beta)\sin^{5}(\beta)\cos^{5}(\beta)\sin^{5}(\beta)\cos^{5}(\beta)\sin^{5}(\beta)\cos^{5}(\beta)\sin^{5}(\beta)\cos^{5}(\beta)\sin^{5}(\beta)\cos^{5}(\beta)\sin^{5}(\beta)\cos^{5}(\beta)\sin^{5}(\beta)\cos^{5}(\beta)\sin^{5}(\beta)\cos^{5}(\beta)\sin^{5}(\beta)\cos^{5}(\beta)\sin^{5}(\beta)\cos^{5}(\beta)\sin^{5}(\beta)\cos^{5}(\beta)\sin^{5}(\beta)\cos^{5}(\beta)\sin^{5}(\beta)\cos^{5}(\beta)\sin^{5}(\beta)\cos^{5}(\beta)\sin^{5}(\beta)\cos^{5}(\beta)\sin^{5}(\beta)\cos^{5}(\beta)\sin^{5}(\beta)\cos^{5}(\beta)\sin^{5}(\beta)\cos^{5}(\beta)\sin^{5}(\beta)\cos^{5}(\beta)\sin^{5}(\beta)\cos^{5}(\beta)\sin^{5}(\beta)\cos^{5}(\beta)\sin^{5}(\beta)\cos^{5}(\beta)\sin^{5}(\beta)\cos^{5}(\beta)\sin^{5}(\beta)\cos^{5}(\beta)\sin^{5}(\beta)\cos^{5}(\beta)\sin^{5}(\beta)\cos^{5}(\beta)\sin^{5}(\beta)\cos^{5}(\beta)\sin^{5}(\beta)\cos^{5}(\beta)\sin^{5}(\beta)\cos^{5}(\beta)\sin^{5}(\beta)\cos^{5}(\beta)\sin^{5}(\beta)\cos^{5}(\beta)\sin^{5}(\beta)\cos^{5}(\beta)\sin^{5}(\beta)\cos^{5}(\beta)\sin^{5}(\beta)\cos^{5}(\beta)\sin^{5}(\beta)\cos^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)
+33i\sin^{5}(\beta)\cos^{3}(\beta)-12\sin^{6}(\beta)\cos^{2}(\beta)-5i\sin^{7}(\beta)\cos(\beta)+e^{8i\gamma}(i\cos^{3}(\beta)\sin^{5}(\beta)-i\cos^{5}(\beta)\sin^{3}(\beta))+e^{4i\gamma}(-6\sin^{2}(\beta)\cos^{2}(\beta)\sin^{3}(\beta))
+e^{-8i\gamma}(i\cos^7(\beta)\sin(\beta)-i\cos(\beta)\sin^7(\beta))+e^{-4i\gamma}(\cos^8(\beta)+2i\sin(\beta)\cos^7(\beta)-10\sin^2(\beta)\cos^6(\beta)-10i\sin^3(\beta)\cos^5(\beta)+10\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2
+e^{4i\gamma} \left(2i\sin(\beta)\cos^{7}(\beta)-6i\sin^{3}(\beta)\cos^{5}(\beta)+6i\sin^{5}(\beta)\cos^{3}(\beta)-2i\sin^{7}(\beta)\cos(\beta)\right)\left(5i\sin(\beta)\cos^{7}(\beta)-12\sin^{2}(\beta)\cos^{6}(\beta)\right)
 -33i\sin^{3}(\beta)\cos^{5}(\beta) + 40\sin^{4}(\beta)\cos^{4}(\beta) + 33i\sin^{5}(\beta)\cos^{3}(\beta) - 12\sin^{6}(\beta)\cos^{2}(\beta) - 5i\sin^{7}(\beta)\cos(\beta) + e^{-8i\gamma}\left(i\cos^{3}(\beta)\sin^{5}(\beta)\cos^{4}(\beta)\cos^{2}(\beta)\right) + 2\sin^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta) + 3\sin^{5}(\beta)\cos^{3}(\beta) - 12\sin^{6}(\beta)\cos^{2}(\beta) - 5i\sin^{7}(\beta)\cos(\beta) + e^{-8i\gamma}\left(i\cos^{3}(\beta)\sin^{5}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{
+e^{-4i\gamma}\left(-6\sin^{2}(\beta)\cos^{6}(\beta)-12i\sin^{3}(\beta)\cos^{5}(\beta)+20\sin^{4}(\beta)\cos^{4}(\beta)+12i\sin^{5}(\beta)\cos^{3}(\beta)-6\sin^{6}(\beta)\cos^{2}(\beta)\right)+e^{8i\gamma}\left(i\cos^{7}(\beta)\cos^{7}(\beta)\cos^{8}(\beta)+2\sin^{4}(\beta)\cos^{8}(\beta)+12i\sin^{5}(\beta)\cos^{3}(\beta)+6\sin^{6}(\beta)\cos^{2}(\beta)\right)+e^{8i\gamma}\left(i\cos^{7}(\beta)\cos^{8}(\beta)+2\sin^{4}(\beta)\cos^{8}(\beta)+12i\sin^{5}(\beta)\cos^{8}(\beta)+6\sin^{6}(\beta)\cos^{8}(\beta)\right)+e^{8i\gamma}\left(i\cos^{7}(\beta)\cos^{8}(\beta)+2\sin^{4}(\beta)\cos^{8}(\beta)+12i\sin^{5}(\beta)\cos^{8}(\beta)+6\sin^{6}(\beta)\cos^{8}(\beta)\right)+e^{8i\gamma}\left(i\cos^{7}(\beta)\cos^{8}(\beta)+3\sin^{8}(\beta)\cos^{8}(\beta)+3\sin^{8}(\beta)\cos^{8}(\beta)+6\sin^{8}(\beta)\cos^{8}(\beta)\right)+e^{8i\gamma}\left(i\cos^{7}(\beta)\cos^{8}(\beta)+3\sin^{8}(\beta)\cos^{8}(\beta)+3\sin^{8}(\beta)\cos^{8}(\beta)+3\sin^{8}(\beta)\cos^{8}(\beta)\right)+e^{8i\gamma}\left(i\cos^{8}(\beta)\cos^{8}(\beta)+3\sin^{8}(\beta)\cos^{8}(\beta)+3\sin^{8}(\beta)\cos^{8}(\beta)+3\sin^{8}(\beta)\cos^{8}(\beta)+3\sin^{8}(\beta)\cos^{8}(\beta)+3\sin^{8}(\beta)\cos^{8}(\beta)+3\sin^{8}(\beta)\cos^{8}(\beta)+3\sin^{8}(\beta)\cos^{8}(\beta)+3\sin^{8}(\beta)\cos^{8}(\beta)+3\sin^{8}(\beta)\cos^{8}(\beta)+3\sin^{8}(\beta)\cos^{8}(\beta)+3\sin^{8}(\beta)\cos^{8}(\beta)+3\sin^{8}(\beta)\cos^{8}(\beta)+3\sin^{8}(\beta)\cos^{8}(\beta)+3\sin^{8}(\beta)\cos^{8}(\beta)+3\sin^{8}(\beta)\cos^{8}(\beta)+3\sin^{8}(\beta)\cos^{8}(\beta)+3\sin^{8}(\beta)\cos^{8}(\beta)+3\sin^{8}(\beta)\cos^{8}(\beta)+3\sin^{8}(\beta)\cos^{8}(\beta)+3\sin^{8}(\beta)\cos^{8}(\beta)+3\sin^{8}(\beta)\cos^{8}(\beta)+3\sin^{8}(\beta)\cos^{8}(\beta)+3\sin^{8}(\beta)\cos^{8}(\beta)+3\sin^{8}(\beta)\cos^{8}(\beta)+3\sin^{8}(\beta)\cos^{8}(\beta)+3\sin^{8}(\beta)\cos^{8}(\beta)+3\sin^{8}(\beta)\cos^{8}(\beta)+3\sin^{8}(\beta)\cos^{8}(\beta)+3\sin^{8}(\beta)\cos^{8}(\beta)+3\sin^{8}(\beta)\cos^{8}(\beta)+3\sin^{8}(\beta)\cos^{8}(\beta)+3\sin^{8}(\beta)\cos^{8}(\beta)+3\sin^{8}(\beta)\cos^{8}(\beta)+3\sin^{8}(\beta)\cos^{8}(\beta)+3\sin^{8}(\beta)\cos^{8}(\beta)+3\sin^{8}(\beta)\cos^{8}(\beta)+3\sin^{8}(\beta)\cos^{8}(\beta)+3\sin^{8}(\beta)\cos^{8}(\beta)+3\sin^{8}(\beta)\cos^{8}(\beta)+3\sin^{8}(\beta)\cos^{8}(\beta)+3\sin^{8}(\beta)\cos^{8}(\beta)+3\sin^{8}(\beta)\cos^{8}(\beta)+3\sin^{8}(\beta)\cos^{8}(\beta)+3\sin^{8}(\beta)\cos^{8}(\beta)+3\sin^{8}(\beta)\cos^{8}(\beta)+3\sin^{8}(\beta)\cos^{8}(\beta)+3\sin^{8}(\beta)\cos^{8}(\beta)+3\sin^{8}(\beta)\cos^{8}(\beta)+3\sin^{8}(\beta)\cos^{8}(\beta)+3\sin^{8}(\beta)\cos^{8}(\beta)+3\sin^{8}(\beta)\cos^{8}(\beta)+3\sin^{8}(\beta)\cos^{8}(\beta)+3\sin^{8}(\beta)\cos^{8}(\beta)+3\sin^{8}(\beta)\cos^{8}(\beta)+3\sin^{8}(\beta)\cos^{8}(\beta)+3\sin^{8}(\beta)\cos^{8}(\beta)+3\sin^{8}(\beta)\cos^{8}(\beta)+3\sin^{8}(\beta)\cos^{8}(\beta)+3\sin^{8}(\beta)\cos^{8}(\beta)+3\sin^{8}(\beta)\cos^{8}(\beta)+3\sin^{8}(\beta)\cos^{8}(\beta)+3\sin^{8}(\beta)\cos^{8}(\beta)+3\sin^{8}(\beta)\cos^{8}(\beta)+3\sin^{8}(\beta)\cos^{8}(\beta)+3\sin^{8}(\beta)\cos^{8}(\beta)+3\sin^{8}(\beta)\cos^{8}(\beta)+3\sin^{8}(\beta)\cos^{8}(\beta)+3\sin^{8}(\beta)\cos^{8}(\beta)+3\sin^{8}(\beta)\cos^{8}(\beta)+3\sin^{8}(\beta)\cos^{8}(\beta)+3\sin^{8}(\beta)\cos^{8}(\beta)+3\sin^{8}(\beta)\cos^{8}(\beta)+3\sin^{8}(\beta)\cos^{8}(\beta)+3\sin^{8}(\beta)\cos^{8}(\beta)+3\sin^{8}(\beta)\cos^{8}(\beta)+3\sin^{8}(\beta)\cos^{8}(\beta)+3\sin^{8}(\beta)\cos^{8}(\beta)+3\sin^{8}(\beta)\cos^{8}(\beta)+3\sin^{8}(\beta)+3\sin^{8}(\beta)\cos^{8}(\beta)+3\sin^{8}(\beta)\cos^{8}(\beta)+3\sin^{8}(\beta)\cos^{8}(\beta)+3\sin^{8}(\beta)\cos^
+e^{4i\gamma}(\cos^8(\beta)+2i\sin(\beta)\cos^7(\beta)-10\sin^2(\beta)\cos^6(\beta)-10i\sin^3(\beta)\cos^5(\beta)+10\sin^4(\beta)\cos^4(\beta)+10i\sin^5(\beta)\cos^3(\beta)-10\sin^6(\beta)\cos^6(\beta)
+e^{-4i\gamma}\left(8i\cos^{3}(\beta)\sin^{5}(\beta)-8i\cos^{5}(\beta)\sin^{3}(\beta)\right)\left(4i\sin(\beta)\cos^{7}(\beta)-16\sin^{2}(\beta)\cos^{6}(\beta)-34i\sin^{3}(\beta)\cos^{5}(\beta)+32\sin^{4}(\beta)\cos^{4}(\beta)\sin^{2}(\beta)\cos^{4}(\beta)\sin^{5}(\beta)\right)
+34 i \sin ^5(\beta) \cos ^3(\beta)-16 \sin ^6(\beta) \cos ^2(\beta)-4 i \sin ^7(\beta) \cos (\beta)+e^{-8 i \gamma} \left(i \cos ^3(\beta) \sin ^5(\beta)-i \cos ^5(\beta) \sin ^3(\beta)\right)+e^{8 i \gamma} \left(i \cos ^3(\beta) \sin ^5(\beta) \cos ^5(\beta)\right)
 +e^{4i\gamma}\left(-4\sin^{2}(\beta)\cos^{6}(\beta)-12i\sin^{3}(\beta)\cos^{5}(\beta)+24\sin^{4}(\beta)\cos^{4}(\beta)+12i\sin^{5}(\beta)\cos^{3}(\beta)-4\sin^{6}(\beta)\cos^{2}(\beta)\right)+e^{-4i\gamma}\left(\cos^{8}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)+12i\sin^{5}(\beta)\cos^{4}(\beta)+12i\sin^{5}(\beta)\cos^{4}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)+12i\sin^{5}(\beta)+12i\sin^{5}(\beta)+12i\sin^{5}(\beta)+12i\sin^{5}(\beta)+12i
 +e^{4i\gamma}\left(2i\sin(\beta)\cos^{7}(\beta)-6i\sin^{3}(\beta)\cos^{5}(\beta)+6i\sin^{5}(\beta)\cos^{3}(\beta)-2i\sin^{7}(\beta)\cos(\beta)\right)\left(4i\sin(\beta)\cos^{7}(\beta)-16\sin^{2}(\beta)\cos^{6}(\beta)\right)
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 $-34i\sin^{3}(\beta)\cos^{5}(\beta)+32\sin^{4}(\beta)\cos^{4}(\beta)+34i\sin^{5}(\beta)\cos^{3}(\beta)-16\sin^{6}(\beta)\cos^{2}(\beta)-4i\sin^{7}(\beta)\cos(\beta)+e^{-8i\gamma}(i\cos^{3}(\beta)\sin^{5}(\beta)\cos^{2}(\beta)+3i\sin^{4}(\beta)\cos(\beta)+e^{-8i\gamma}(i\cos^{3}(\beta)\sin^{5}(\beta)\cos^{2}(\beta)+3i\sin^{4}(\beta)\cos(\beta)+e^{-8i\gamma}(i\cos^{3}(\beta)\sin^{5}(\beta)\cos^{2}(\beta)+3i\sin^{4}(\beta)\cos(\beta)+e^{-8i\gamma}(i\cos^{3}(\beta)\sin^{5}(\beta)\cos^{5}(\beta)+2i\sin^{4}(\beta)\cos(\beta)+e^{-8i\gamma}(i\cos^{3}(\beta)\sin^{5}(\beta)\cos^{5}(\beta)+2i\sin^{4}(\beta)\cos(\beta)+e^{-8i\gamma}(i\cos^{3}(\beta)\sin^{5}(\beta)\cos^{5}(\beta)+e^{-8i\gamma}(i\cos^{5}(\beta)\cos^{5}(\beta)\sin^{5}(\beta)\cos^{5}(\beta)+e^{-8i\gamma}(i\cos^{5}(\beta)\cos^{5}(\beta)\sin^{5}(\beta)\cos^{5}(\beta)+e^{-8i\gamma}(i\cos^{5}(\beta)\cos^{5}(\beta)\sin^{5}(\beta)\cos^{5}(\beta)+e^{-8i\gamma}(i\cos^{5}(\beta)\sin^{5}(\beta)\cos^{5}(\beta)\sin^{5}(\beta)\cos^{5}(\beta)+e^{-8i\gamma}(i\cos^{5}(\beta)\cos^{5}(\beta)\sin^{5}(\beta)\cos^{5}(\beta)+e^{-8i\gamma}(i\cos^{5}(\beta)\cos^{5}(\beta)\sin^{5}(\beta)\cos^{5}(\beta)+e^{-8i\gamma}(i\cos^{5}(\beta)\cos^{5}(\beta)\sin^{5}(\beta)\cos^{5}(\beta)+e^{-8i\gamma}(i\cos^{5}(\beta)\sin^{5}(\beta)\cos^{5}(\beta)\sin^{5}(\beta)\cos^{5}(\beta)+e^{-8i\gamma}(i\cos^{5}(\beta)\sin^{5}(\beta)\cos^{5}(\beta)+e^{-8i\gamma}(i\cos^{5}(\beta)\sin^{5}(\beta)\cos^{5}(\beta)+e^{-8i\gamma}(i\cos^{5}(\beta)\sin^{5}(\beta)\cos^{5}(\beta)+e^{-8i\gamma}(i\cos^{5}(\beta)\sin^{5}(\beta)\cos^{5}(\beta)+e^{-8i\gamma}(i\cos^{5}(\beta)\sin^{5}(\beta)\cos^{5}(\beta)+e^{-8i\gamma}(i\cos^{5}(\beta)\sin^{5}(\beta)\cos^{5}(\beta)+e^{-8i\gamma}(i\cos^{5}(\beta))+e^{-8i\gamma}(i\cos^{5}(\beta)\cos^{5}(\beta)+e^{-8i\gamma}(i\cos^{5}(\beta))+e^{-8i\gamma}(i\cos^{5}(\beta)\cos^{5}(\beta)+e^{-8i\gamma}(i\cos^{5}(\beta))+e^{-8i\gamma}(i\cos^{5}(\beta)\cos^{5}(\beta)+e^{-8i\gamma}(i\cos^{5}(\beta))+e^{-8i\gamma}(i\cos^{5$

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(4\cos^4(\beta)(\cos^8(\beta) + 8i\sin(\beta)\cos^7(\beta) - 20\sin^2(\beta)\cos^6(\beta) - 24i\sin^3(\beta)\cos^5(\beta))
+2e^{-8i\gamma}\sin^4(\beta)\cos^4(\beta) + 2e^{8i\gamma}\sin^4(\beta)\cos^4(\beta) + 34\sin^4(\beta)\cos^4(\beta)
+24i\sin^{5}(\beta)\cos^{3}(\beta) - 20\sin^{6}(\beta)\cos^{2}(\beta) - 8i\sin^{7}(\beta)\cos(\beta) + \sin^{8}(\beta)
  +e^{-4i\gamma}\left(-4\sin^2(\beta)\cos^6(\beta)-16i\sin^3(\beta)\cos^5(\beta)+16\sin^4(\beta)\cos^4(\beta)+16i\sin^5(\beta)\cos^3(\beta)-4\sin^6(\beta)\cos^2(\beta)\right)
+e^{4i\gamma}\left(-4\sin^2(\beta)\cos^6(\beta)-16i\sin^3(\beta)\cos^5(\beta)+16\sin^4(\beta)\cos^4(\beta)+16i\sin^5(\beta)\cos^3(\beta)-4\sin^6(\beta)\cos^2(\beta)\right)\sin^4(\beta)
+ (16i\cos^3(\beta)\sin^5(\beta) - 16i\cos^5(\beta)\sin^3(\beta))(\cos^8(\beta) + 6i\sin(\beta)\cos^7(\beta) - 16\sin^2(\beta)\cos^6(\beta)
  -32i\sin^{3}(\beta)\cos^{5}(\beta) + 30\sin^{4}(\beta)\cos^{4}(\beta) + 32i\sin^{5}(\beta)\cos^{3}(\beta) - 16\sin^{6}(\beta)\cos^{2}(\beta) - 6i\sin^{7}(\beta)\cos(\beta)
+\sin^{8}(\beta) + e^{-8i\gamma} \left(i\cos^{3}(\beta)\sin^{5}(\beta) - i\cos^{5}(\beta)\sin^{3}(\beta)\right) + e^{8i\gamma} \left(i\cos^{3}(\beta)\sin^{5}(\beta) - i\cos^{5}(\beta)\sin^{3}(\beta)\right)
+e^{-4i\gamma}(i\sin(\beta)\cos^{7}(\beta)-6\sin^{2}(\beta)\cos^{6}(\beta)-11i\sin^{3}(\beta)\cos^{5}(\beta)+20\sin^{4}(\beta)\cos^{4}(\beta)+11i\sin^{5}(\beta)\cos^{3}(\beta)-6\sin^{6}(\beta)\cos^{2}(\beta)
+e^{4i\gamma}\left(i\sin(\beta)\cos^{7}(\beta)-6\sin^{2}(\beta)\cos^{6}(\beta)-11i\sin^{3}(\beta)\cos^{5}(\beta)+20\sin^{4}(\beta)\cos^{4}(\beta)+11i\sin^{5}(\beta)\cos^{3}(\beta)-6\sin^{6}(\beta)\cos^{2}(\beta)-11i\sin^{3}(\beta)\cos^{5}(\beta)+20\sin^{4}(\beta)\cos^{4}(\beta)+11i\sin^{5}(\beta)\cos^{3}(\beta)-6\sin^{6}(\beta)\cos^{2}(\beta)-11i\sin^{3}(\beta)\cos^{5}(\beta)+20\sin^{4}(\beta)\cos^{4}(\beta)+11i\sin^{5}(\beta)\cos^{3}(\beta)+6\sin^{6}(\beta)\cos^{2}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)+11i\sin^{5}(\beta)+11i\sin^{5}(\beta)+11i\sin^{5}(\beta)+11i\sin^{5}(\beta)+11i\sin^{5}(\beta)
  +(-2\sin^2(\beta)\cos^6(\beta)+12\sin^4(\beta)\cos^4(\beta)-2\sin^6(\beta)\cos^2(\beta))(\cos^8(\beta)+6i\sin(\beta)\cos^7(\beta)
    -16\sin^2(\beta)\cos^6(\beta) - 26i\sin^3(\beta)\cos^5(\beta) + 2e^{-8i\gamma}\sin^4(\beta)\cos^4(\beta) + 2e^{8i\gamma}\sin^4(\beta)\cos^4(\beta)
+42\sin^4(\beta)\cos^4(\beta) + 26i\sin^5(\beta)\cos^3(\beta) - 16\sin^6(\beta)\cos^2(\beta) - 6i\sin^7(\beta)\cos(\beta) + \sin^8(\beta)
+e^{-4i\gamma}\left(i\sin(\beta)\cos^{7}(\beta)-6\sin^{2}(\beta)\cos^{6}(\beta)-15i\sin^{3}(\beta)\cos^{5}(\beta)+12\sin^{4}(\beta)\cos^{4}(\beta)+15i\sin^{5}(\beta)\cos^{3}(\beta)-6\sin^{6}(\beta)\cos^{2}(\beta)+12\sin^{4}(\beta)\cos^{4}(\beta)+15i\sin^{5}(\beta)\cos^{3}(\beta)+12\sin^{4}(\beta)\cos^{4}(\beta)+15i\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{4}(\beta)\cos^{5}(\beta)+12\sin^{4}(\beta)\cos^{5}(\beta)+12\sin^{4}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)+12\sin^{5}(\beta)+
+e^{4i\gamma} \left( i\sin(\beta)\cos^7(\beta) - 6\sin^2(\beta)\cos^6(\beta) - 15i\sin^3(\beta)\cos^5(\beta) + 12\sin^4(\beta)\cos^4(\beta) + 15i\sin^5(\beta)\cos^3(\beta) - 6\sin^6(\beta)\cos^2(\beta) - 15i\sin^3(\beta)\cos^5(\beta) + 12\sin^4(\beta)\cos^4(\beta) + 15i\sin^5(\beta)\cos^5(\beta) + 12\sin^4(\beta)\cos^5(\beta) + 12\sin^4(\beta)\cos^5(\beta) + 12\sin^5(\beta)\cos^5(\beta) + 12\sin^2(\beta)\cos^2(\beta) + 12\sin^2(\beta)\cos^
+(2i\sin(\beta)\cos^{7}(\beta)-14i\sin^{3}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{3}(\beta)-2i\sin^{7}(\beta)\cos(\beta))(\cos^{8}(\beta)+4i\sin(\beta)\cos^{7}(\beta))
    -12\sin^{2}(\beta)\cos^{6}(\beta) - 34i\sin^{3}(\beta)\cos^{5}(\beta) + 38\sin^{4}(\beta)\cos^{4}(\beta) + 34i\sin^{5}(\beta)\cos^{3}(\beta) - 12\sin^{6}(\beta)\cos^{2}(\beta) - 4i\sin^{7}(\beta)\cos(\beta)
+\sin^{8}(\beta) + e^{-8i\gamma} \left(i\cos^{3}(\beta)\sin^{5}(\beta) - i\cos^{5}(\beta)\sin^{3}(\beta)\right) + e^{8i\gamma} \left(i\cos^{3}(\beta)\sin^{5}(\beta) - i\cos^{5}(\beta)\sin^{3}(\beta)\right) + e^{-4i\gamma} \left(2i\sin(\beta)\cos^{7}(\beta) - i\cos^{5}(\beta)\sin^{3}(\beta)\right) + e^{-4i\gamma} \left(2i\sin(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^
+e^{4i\gamma} \left(2i\sin(\beta)\cos^{7}(\beta)-8\sin^{2}(\beta)\cos^{6}(\beta)-10i\sin^{3}(\beta)\cos^{5}(\beta)+16\sin^{4}(\beta)\cos^{4}(\beta)+10i\sin^{5}(\beta)\cos^{3}(\beta)-8\sin^{6}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)+10i\sin^{2}(\beta)+10i\sin^{2}(\beta)+10i\sin^{2}(\beta)+10i\sin^{2}(\beta)+10i\sin^{2}(\beta)+10i\sin^{2}(\beta)+10i\sin^{2}(\beta)+10i\sin^{2}(\beta)+10i\sin^{2}(\beta)+10i
+(-4\sin^2(\beta)\cos^6(\beta)+8\sin^4(\beta)\cos^4(\beta)-4\sin^6(\beta)\cos^2(\beta))(\cos^8(\beta)+4i\sin(\beta)\cos^7(\beta)-15\sin^2(\beta)\cos^6(\beta)-28i\sin^3(\beta)\cos^2(\beta))
  +2e^{8i\gamma}\sin^4(\beta)\cos^4(\beta)+44\sin^4(\beta)\cos^4(\beta)+28i\sin^5(\beta)\cos^3(\beta)-15\sin^6(\beta)\cos^2(\beta)-4i\sin^7(\beta)\cos(\beta)+\sin^8(\beta)
+e^{-8i\gamma}\left(-\sin^{2}(\beta)\cos^{6}(\beta)-\sin^{6}(\beta)\cos^{2}(\beta)\right)+e^{4i\gamma}\left(2i\sin(\beta)\cos^{7}(\beta)-7\sin^{2}(\beta)\cos^{6}(\beta)-14i\sin^{3}(\beta)\cos^{5}(\beta)+10\sin^{4}(\beta)\cos^{2}(\beta)\right)+e^{-8i\gamma}\left(-\sin^{2}(\beta)\cos^{6}(\beta)-\sin^{6}(\beta)\cos^{2}(\beta)\right)+e^{-8i\gamma}\left(2i\sin(\beta)\cos^{7}(\beta)-7\sin^{2}(\beta)\cos^{6}(\beta)-14i\sin^{3}(\beta)\cos^{5}(\beta)+10\sin^{4}(\beta)\cos^{2}(\beta)\right)+e^{-8i\gamma}\left(2i\sin(\beta)\cos^{7}(\beta)-7\sin^{2}(\beta)\cos^{6}(\beta)-14i\sin^{3}(\beta)\cos^{5}(\beta)+10\sin^{4}(\beta)\cos^{5}(\beta)\right)+e^{-8i\gamma}\left(2i\sin(\beta)\cos^{7}(\beta)-7\sin^{2}(\beta)\cos^{6}(\beta)-14i\sin^{3}(\beta)\cos^{5}(\beta)+10\sin^{4}(\beta)\cos^{5}(\beta)\right)+e^{-8i\gamma}\left(2i\sin(\beta)\cos^{7}(\beta)-7\sin^{2}(\beta)\cos^{5}(\beta)+10\sin^{4}(\beta)\cos^{5}(\beta)\right)+e^{-8i\gamma}\left(2i\sin(\beta)\cos^{7}(\beta)-7\sin^{4}(\beta)\cos^{5}(\beta)+10\sin^{4}(\beta)\cos^{5}(\beta)\right)+e^{-8i\gamma}\left(2i\sin(\beta)\cos^{7}(\beta)-7\sin^{4}(\beta)\cos^{5}(\beta)+10\sin^{4}(\beta)\cos^{5}(\beta)\right)+e^{-8i\gamma}\left(2i\sin(\beta)\cos^{7}(\beta)-7\sin^{4}(\beta)\cos^{5}(\beta)+10\sin^{4}(\beta)\cos^{5}(\beta)\right)+e^{-8i\gamma}\left(2i\sin(\beta)\cos^{5}(\beta)-14i\sin^{4}(\beta)\cos^{5}(\beta)+10\sin^{4}(\beta)\cos^{5}(\beta)\right)+e^{-8i\gamma}\left(2i\sin(\beta)\cos^{5}(\beta)-14i\sin^{4}(\beta)\cos^{5}(\beta)\right)+e^{-8i\gamma}\left(2i\sin(\beta)\cos^{5}(\beta)-14i\sin^{4}(\beta)\cos^{5}(\beta)\right)+e^{-8i\gamma}\left(2i\sin(\beta)\cos^{5}(\beta)-14i\sin^{4}(\beta)\cos^{5}(\beta)\right)+e^{-8i\gamma}\left(2i\sin(\beta)\cos^{5}(\beta)-14i\sin^{4}(\beta)\cos^{5}(\beta)\right)+e^{-8i\gamma}\left(2i\sin(\beta)\cos^{5}(\beta)-14i\sin^{4}(\beta)\cos^{5}(\beta)\right)+e^{-8i\gamma}\left(2i\sin(\beta)\cos^{5}(\beta)-14i\sin^{4}(\beta)\cos^{5}(\beta)\right)+e^{-8i\gamma}\left(2i\sin(\beta)\cos^{5}(\beta)-14i\sin^{4}(\beta)\cos^{5}(\beta)\right)+e^{-8i\gamma}\left(2i\sin(\beta)\cos^{5}(\beta)-14i\sin^{4}(\beta)\cos^{5}(\beta)\right)+e^{-8i\gamma}\left(2i\sin(\beta)\cos^{5}(\beta)-14i\sin^{4}(\beta)\cos^{5}(\beta)\right)+e^{-8i\gamma}\left(2i\sin(\beta)\cos^{5}(\beta)-14i\sin^{4}(\beta)\cos^{5}(\beta)\right)+e^{-8i\gamma}\left(2i\sin(\beta)\cos^{5}(\beta)-14i\sin^{4}(\beta)\cos^{5}(\beta)\right)+e^{-8i\gamma}\left(2i\sin(\beta)\cos^{5}(\beta)-14i\sin^{4}(\beta)\cos^{5}(\beta)\right)+e^{-8i\gamma}\left(2i\sin(\beta)\cos^{5}(\beta)-14i\sin^{4}(\beta)\cos^{5}(\beta)\right)+e^{-8i\gamma}\left(2i\sin(\beta)\cos^{5}(\beta)-14i\sin^{4}(\beta)\cos^{5}(\beta)\right)+e^{-8i\gamma}\left(2i\sin(\beta)\cos^{5}(\beta)-14i\sin^{4}(\beta)\cos^{5}(\beta)\right)+e^{-8i\gamma}\left(2i\sin(\beta)\cos^{5}(\beta)-14i\sin^{4}(\beta)\cos^{5}(\beta)\right)+e^{-8i\gamma}\left(2i\sin(\beta)\cos^{5}(\beta)-14i\sin^{4}(\beta)\cos^{5}(\beta)\right)+e^{-8i\gamma}\left(2i\sin(\beta)\cos^{5}(\beta)-14i\sin^{4}(\beta)\cos^{5}(\beta)\right)+e^{-8i\gamma}\left(2i\sin(\beta)\cos^{5}(\beta)-14i\sin^{4}(\beta)\cos^{5}(\beta)\right)+e^{-8i\gamma}\left(2i\sin(\beta)\cos^{5}(\beta)-14i\sin^{4}(\beta)\cos^{5}(\beta)\right)+e^{-8i\gamma}\left(2i\sin(\beta)\cos^{5}(\beta)-14i\sin^{5}(\beta)\cos^{5}(\beta)\right)+e^{-8i\gamma}\left(2i\sin(\beta)\cos^{5}(\beta)-14i\sin^{5}(\beta)\cos^{5}(\beta)\right)+e^{-8i\gamma}\left(2i\sin(\beta)\cos^{5}(\beta)-14i\sin^{5}(\beta)\cos^{5}(\beta)\right)+e^{-8i\gamma}\left(2i\sin(\beta)\cos^{5}(\beta)-14i\sin^{5}(\beta)\cos^{5}(\beta)\right)+e^{-8i\gamma}\left(2i\sin(\beta)\cos^{5}(\beta)-14i\sin^{5}(\beta)\cos^{5}(\beta)\right)+e^{-8i\gamma}\left(2i\sin(\beta)\cos^{5}(\beta)-14i\sin^{5}(\beta)\cos^{5}(\beta)\right)+e^{-8i\gamma}\left(2i\sin(\beta)\cos^{5}(\beta)\right)+e^{-8i\gamma}\left(2i\sin(\beta)\cos^{5}(\beta)\right)+e^{-8i\gamma}\left(2i\sin(\beta)
+e^{-4i\gamma}(2i\sin(\beta)\cos^{7}(\beta)-5\sin^{2}(\beta)\cos^{6}(\beta)-14i\sin^{3}(\beta)\cos^{5}(\beta)+14\sin^{4}(\beta)\cos^{4}(\beta)+14i\sin^{5}(\beta)\cos^{3}(\beta)-5\sin^{6}(\beta)\cos^{2}(\beta)
  +(-4\sin^2(\beta)\cos^6(\beta)+8\sin^4(\beta)\cos^4(\beta)-4\sin^6(\beta)\cos^2(\beta))(\cos^8(\beta)+4i\sin(\beta)\cos^7(\beta)-15\sin^2(\beta)\cos^6(\beta)-28i\sin^3(\beta)\cos^2(\beta)
+2e^{-8i\gamma}\sin^4(\beta)\cos^4(\beta)+44\sin^4(\beta)\cos^4(\beta)+28i\sin^5(\beta)\cos^3(\beta)-15\sin^6(\beta)\cos^2(\beta)-4i\sin^7(\beta)\cos(\beta)+\sin^8(\beta)
+e^{8i\gamma}\left(-\sin^2(\beta)\cos^6(\beta)-\sin^6(\beta)\cos^2(\beta)\right)+e^{-4i\gamma}\left(2i\sin(\beta)\cos^7(\beta)-7\sin^2(\beta)\cos^6(\beta)-14i\sin^3(\beta)\cos^5(\beta)+10\sin^4(\beta)\cos^2(\beta)\right)+e^{-4i\gamma}\left(2i\sin(\beta)\cos^7(\beta)-7\sin^2(\beta)\cos^6(\beta)-14i\sin^3(\beta)\cos^5(\beta)+10\sin^4(\beta)\cos^2(\beta)\right)+e^{-4i\gamma}\left(2i\sin(\beta)\cos^7(\beta)-7\sin^2(\beta)\cos^6(\beta)-14i\sin^3(\beta)\cos^5(\beta)+10\sin^4(\beta)\cos^2(\beta)\right)+e^{-4i\gamma}\left(2i\sin(\beta)\cos^7(\beta)-7\sin^2(\beta)\cos^6(\beta)-14i\sin^3(\beta)\cos^5(\beta)+10\sin^4(\beta)\cos^2(\beta)\right)+e^{-4i\gamma}\left(2i\sin(\beta)\cos^7(\beta)-7\sin^2(\beta)\cos^6(\beta)-14i\sin^3(\beta)\cos^5(\beta)+10\sin^4(\beta)\cos^5(\beta)\right)+e^{-4i\gamma}\left(2i\sin(\beta)\cos^7(\beta)-7\sin^2(\beta)\cos^6(\beta)-14i\sin^3(\beta)\cos^5(\beta)+10\sin^4(\beta)\cos^5(\beta)\right)+e^{-4i\gamma}\left(2i\sin(\beta)\cos^7(\beta)-7\sin^2(\beta)\cos^5(\beta)+10\sin^4(\beta)\cos^5(\beta)\right)+e^{-4i\gamma}\left(2i\sin(\beta)\cos^7(\beta)-3\sin^2(\beta)\cos^2(\beta)\right)+e^{-4i\gamma}\left(2i\sin(\beta)\cos^7(\beta)-3\sin^2(\beta)\cos^7(\beta)\right)+e^{-4i\gamma}\left(2i\sin(\beta)\cos^7(\beta)-3\sin^2(\beta)\cos^7(\beta)\right)+e^{-4i\gamma}\left(2i\sin(\beta)\cos^7(\beta)-3\sin^2(\beta)\cos^7(\beta)\right)+e^{-4i\gamma}\left(2i\sin(\beta)\cos^7(\beta)-3\sin^2(\beta)\cos^7(\beta)\right)+e^{-4i\gamma}\left(2i\sin(\beta)\cos^7(\beta)-3\sin^2(\beta)\cos^7(\beta)\right)+e^{-4i\gamma}\left(2i\sin(\beta)\cos^7(\beta)-3\sin^2(\beta)\cos^7(\beta)\right)+e^{-4i\gamma}\left(2i\sin(\beta)\cos^7(\beta)-3\sin^2(\beta)\cos^7(\beta)\right)+e^{-4i\gamma}\left(2i\sin(\beta)\cos^7(\beta)-3\sin^2(\beta)\cos^7(\beta)\right)+e^{-4i\gamma}\left(2i\sin(\beta)\cos^7(\beta)-3\sin^2(\beta)\cos^7(\beta)\right)+e^{-4i\gamma}\left(2i\sin(\beta)\cos^7(\beta)-3\sin^2(\beta)\cos^7(\beta)\right)+e^{-4i\gamma}\left(2i\sin(\beta)\cos^7(\beta)-3\sin^2(\beta)\cos^7(\beta)\right)+e^{-4i\gamma}\left(2i\sin(\beta)\cos^7(\beta)-3\sin^2(\beta)\cos^7(\beta)\right)+e^{-4i\gamma}\left(2i\sin(\beta)\cos^7(\beta)\cos^7(\beta)\right)+e^{-4i\gamma}\left(2i\sin(\beta)\cos^7(\beta)\cos^7(\beta)\right)+e^{-4i\gamma}\left(2i\sin(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\right)+e^{-4i\gamma}\left(2i\sin(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\right)+e^{-4i\gamma}\left(2i\sin(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\right)+e^{-4i\gamma}\left(2i\sin(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^2(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos
+e^{4i\gamma} \left(2i\sin(\beta)\cos^{7}(\beta)-5\sin^{2}(\beta)\cos^{6}(\beta)-14i\sin^{3}(\beta)\cos^{5}(\beta)+14\sin^{4}(\beta)\cos^{4}(\beta)+14i\sin^{5}(\beta)\cos^{3}(\beta)-5\sin^{6}(\beta)\cos^{2}(\beta)-14i\sin^{2}(\beta)\cos^{2}(\beta)+14i\sin^{4}(\beta)\cos^{4}(\beta)+14i\sin^{5}(\beta)\cos^{3}(\beta)-14i\sin^{4}(\beta)\cos^{5}(\beta)+14i\sin^{4}(\beta)\cos^{4}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)+14i\sin^{5}(\beta)+14i\sin^{5}(\beta)+14i\sin^{5}(\beta)+14i\sin^{5}(\beta)+14i\sin^{5}(\beta)+14i\sin^{5}(\beta)+14i\sin^{5}(\beta)+14i\sin^{5}(\beta)+14i\sin^{5}(\beta)+14i\sin^{5}(\beta)+14i\sin^{5}(\beta)
+(-2\sin^2(\beta)\cos^6(\beta)+4\sin^4(\beta)\cos^4(\beta)-2\sin^6(\beta)\cos^2(\beta))(\cos^8(\beta)+4i\sin(\beta)\cos^7(\beta)-18\sin^2(\beta)\cos^6(\beta)-28i\sin^3(\beta)\cos^2(\beta)\cos^2(\beta)
+38\sin^{4}(\beta)\cos^{4}(\beta)+28i\sin^{5}(\beta)\cos^{3}(\beta)-18\sin^{6}(\beta)\cos^{2}(\beta)-4i\sin^{7}(\beta)\cos(\beta)+\sin^{8}(\beta)+e^{-8i\gamma}\left(-\sin^{2}(\beta)\cos^{6}(\beta)-\sin^{6}(\beta)\cos^{2}(\beta)+\sin^{6}(\beta)\cos^{2}(\beta)+\sin^{6}(\beta)\cos^{2}(\beta)+\sin^{6}(\beta)\cos^{2}(\beta)+\sin^{6}(\beta)\cos^{2}(\beta)+\sin^{6}(\beta)\cos^{2}(\beta)+\sin^{6}(\beta)\cos^{2}(\beta)+\sin^{6}(\beta)\cos^{2}(\beta)+\sin^{6}(\beta)\cos^{2}(\beta)+\sin^{6}(\beta)\cos^{6}(\beta)+\sin^{6}(\beta)\cos^{6}(\beta)+\sin^{6}(\beta)\cos^{6}(\beta)+\sin^{6}(\beta)\cos^{6}(\beta)+\sin^{6}(\beta)\cos^{6}(\beta)+\sin^{6}(\beta)\cos^{6}(\beta)+\sin^{6}(\beta)\cos^{6}(\beta)+\sin^{6}(\beta)\cos^{6}(\beta)+\sin^{6}(\beta)\cos^{6}(\beta)+\sin^{6}(\beta)\cos^{6}(\beta)+\sin^{6}(\beta)\cos^{6}(\beta)+\sin^{6}(\beta)\cos^{6}(\beta)+\sin^{6}(\beta)\cos^{6}(\beta)+\sin^{6}(\beta)\cos^{6}(\beta)+\sin^{6}(\beta)\cos^{6}(\beta)+\sin^{6}(\beta)\cos^{6}(\beta)+\sin^{6}(\beta)\cos^{6}(\beta)+\sin^{6}(\beta)\cos^{6}(\beta)+\sin^{6}(\beta)\cos^{6}(\beta)+\sin^{6}(\beta)\cos^{6}(\beta)+\sin^{6}(\beta)\cos^{6}(\beta)+\sin^{6}(\beta)\cos^{6}(\beta)+\sin^{6}(\beta)\cos^{6}(\beta)+\sin^{6}(\beta)\cos^{6}(\beta)+\sin^{6}(\beta)\cos^{6}(\beta)+\sin^{6}(\beta)\cos^{6}(\beta)+\sin^{6}(\beta)\cos^{6}(\beta)+\sin^{6}(\beta)\cos^{6}(\beta)+\sin^{6}(\beta)\cos^{6}(\beta)+\sin^{6}(\beta)\cos^{6}(\beta)+\sin^{6}(\beta)\cos^{6}(\beta)+\sin^{6}(\beta)\cos^{6}(\beta)+\sin^{6}(\beta)\cos^{6}(\beta)+\sin^{6}(\beta)\cos^{6}(\beta)+\sin^{6}(\beta)\cos^{6}(\beta)+\sin^{6}(\beta)\cos^{6}(\beta)+\sin^{6}(\beta)\cos^{6}(\beta)+\sin^{6}(\beta)\cos^{6}(\beta)+\sin^{6}(\beta)\cos^{6}(\beta)+\sin^{6}(\beta)\cos^{6}(\beta)+\sin^{6}(\beta)\cos^{6}(\beta)+\sin^{6}(\beta)\cos^{6}(\beta)+\sin^{6}(\beta)\cos^{6}(\beta)+\sin^{6}(\beta)\cos^{6}(\beta)+\sin^{6}(\beta)\cos^{6}(\beta)+\sin^{6}(\beta)\cos^{6}(\beta)+\sin^{6}(\beta)\cos^{6}(\beta)+\sin^{6}(\beta)\cos^{6}(\beta)+\sin^{6}(\beta)\cos^{6}(\beta)+\sin^{6}(\beta)\cos^{6}(\beta)+\sin^{6}(\beta)\cos^{6}(\beta)+\sin^{6}(\beta)\cos^{6}(\beta)+\sin^{6}(\beta)\cos^{6}(\beta)+\sin^{6}(\beta)\cos^{6}(\beta)+\sin^{6}(\beta)\cos^{6}(\beta)+\sin^{6}(\beta)\cos^{6}(\beta)+\sin^{6}(\beta)\cos^{6}(\beta)+\sin^{6}(\beta)\cos^{6}(\beta)+\sin^{6}(\beta)\cos^{6}(\beta)+\sin^{6}(\beta)\cos^{6}(\beta)+\sin^{6}(\beta)\cos^{6}(\beta)+\sin^{6}(\beta)\cos^{6}(\beta)+\sin^{6}(\beta)\cos^{6}(\beta)+\sin^{6}(\beta)\cos^{6}(\beta)+\sin^{6}(\beta)\cos^{6}(\beta)+\sin^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{
+e^{8i\gamma}\left(-\sin^{2}(\beta)\cos^{6}(\beta)-\sin^{6}(\beta)\cos^{2}(\beta)\right)+e^{-4i\gamma}\left(2i\sin(\beta)\cos^{7}(\beta)-4\sin^{2}(\beta)\cos^{6}(\beta)-14i\sin^{3}(\beta)\cos^{5}(\beta)+16\sin^{4}(\beta)\cos^{6}(\beta)\right)+e^{-4i\gamma}\left(2i\sin(\beta)\cos^{7}(\beta)-4\sin^{2}(\beta)\cos^{6}(\beta)-14i\sin^{3}(\beta)\cos^{5}(\beta)+16\sin^{4}(\beta)\cos^{6}(\beta)\right)+e^{-4i\gamma}\left(2i\sin(\beta)\cos^{7}(\beta)-4\sin^{2}(\beta)\cos^{6}(\beta)-14i\sin^{3}(\beta)\cos^{5}(\beta)+16\sin^{4}(\beta)\cos^{6}(\beta)\right)+e^{-4i\gamma}\left(2i\sin(\beta)\cos^{7}(\beta)-4\sin^{2}(\beta)\cos^{6}(\beta)-14i\sin^{3}(\beta)\cos^{5}(\beta)+16\sin^{4}(\beta)\cos^{6}(\beta)\right)+e^{-4i\gamma}\left(2i\sin(\beta)\cos^{7}(\beta)-4\sin^{4}(\beta)\cos^{6}(\beta)-14i\sin^{3}(\beta)\cos^{5}(\beta)+16\sin^{4}(\beta)\cos^{6}(\beta)\right)+e^{-4i\gamma}\left(2i\sin(\beta)\cos^{7}(\beta)-4\sin^{4}(\beta)\cos^{6}(\beta)-14i\sin^{4}(\beta)\cos^{5}(\beta)+16\sin^{4}(\beta)\cos^{6}(\beta)\right)+e^{-4i\gamma}\left(2i\sin(\beta)\cos^{7}(\beta)-4\sin^{4}(\beta)\cos^{6}(\beta)-14i\sin^{4}(\beta)\cos^{5}(\beta)+16\sin^{4}(\beta)\cos^{6}(\beta)\right)+e^{-4i\gamma}\left(2i\sin(\beta)\cos^{7}(\beta)-4\sin^{4}(\beta)\cos^{6}(\beta)-14i\sin^{4}(\beta)\cos^{5}(\beta)+16\sin^{4}(\beta)\cos^{6}(\beta)\right)+e^{-4i\gamma}\left(2i\sin(\beta)\cos^{6}(\beta)-14i\sin^{4}(\beta)\cos^{6}(\beta)+16\sin^{4}(\beta)\cos^{6}(\beta)+16\sin^{4}(\beta)\cos^{6}(\beta)\right)+e^{-4i\gamma}\left(2i\sin(\beta)\cos^{6}(\beta)-14i\sin^{4}(\beta)\cos^{6}(\beta)+16\sin^{4}(\beta)\cos^{6}(\beta)\right)+e^{-4i\gamma}\left(2i\sin(\beta)\cos^{6}(\beta)-14i\sin^{4}(\beta)\cos^{6}(\beta)\right)+e^{-4i\gamma}\left(2i\sin(\beta)\cos^{6}(\beta)-14i\sin^{4}(\beta)\cos^{6}(\beta)\right)+e^{-4i\gamma}\left(2i\sin(\beta)\cos^{6}(\beta)-14i\sin^{4}(\beta)\cos^{6}(\beta)\right)+e^{-4i\gamma}\left(2i\sin(\beta)\cos^{6}(\beta)-14i\sin^{4}(\beta)\cos^{6}(\beta)\right)+e^{-4i\gamma}\left(2i\sin(\beta)\cos^{6}(\beta)-14i\sin^{6}(\beta)\cos^{6}(\beta)\right)+e^{-4i\gamma}\left(2i\sin(\beta)\cos^{6}(\beta)-14i\sin^{6}(\beta)\cos^{6}(\beta)\right)+e^{-4i\gamma}\left(2i\sin(\beta)\cos^{6}(\beta)-14i\sin^{6}(\beta)\cos^{6}(\beta)\right)+e^{-4i\gamma}\left(2i\sin(\beta)\cos^{6}(\beta)-14i\sin^{6}(\beta)\cos^{6}(\beta)\right)+e^{-4i\gamma}\left(2i\sin(\beta)\cos^{6}(\beta)-14i\sin^{6}(\beta)\cos^{6}(\beta)\right)+e^{-4i\gamma}\left(2i\sin(\beta)\cos^{6}(\beta)-14i\sin^{6}(\beta)\cos^{6}(\beta)\right)+e^{-4i\gamma}\left(2i\sin(\beta)\cos^{6}(\beta)-14i\sin^{6}(\beta)\cos^{6}(\beta)\right)+e^{-4i\gamma}\left(2i\sin(\beta)\cos^{6}(\beta)-14i\sin^{6}(\beta)\cos^{6}(\beta)\right)+e^{-4i\gamma}\left(2i\sin(\beta)\cos^{6}(\beta)-14i\sin^{6}(\beta)\cos^{6}(\beta)\right)+e^{-4i\gamma}\left(2i\sin(\beta)\cos^{6}(\beta)-14i\sin^{6}(\beta)\cos^{6}(\beta)\right)+e^{-4i\gamma}\left(2i\sin(\beta)\cos^{6}(\beta)-14i\sin^{6}(\beta)\cos^{6}(\beta)\right)+e^{-4i\beta}\left(2i\sin(\beta)\cos^{6}(\beta)-14i\sin^{6}(\beta)\cos^{6}(\beta)\right)+e^{-4i\beta}\left(2i\sin(\beta)\cos^{6}(\beta)-14i\sin^{6}(\beta)\cos^{6}(\beta)\right)+e^{-4i\beta}\left(2i\sin(\beta)\cos^{6}(\beta)-14i\sin^{6}(\beta)\cos^{6}(\beta)\right)+e^{-4i\beta}\left(2i\sin(\beta)\cos^{6}(\beta)-14i\sin^{6}(\beta)\cos^{6}(\beta)\right)+e^{-4i\beta}\left(2i\sin(\beta)\cos^{6}(\beta)-14i\sin^{6}(\beta)\cos^{6}(\beta)\right)+e^{-4i\beta}\left(2i\sin(\beta)\cos^{6}(\beta)-14i\sin^{6}(\beta)\cos^{6}(\beta)\right)+e^{-4i\beta}\left(2i\sin(\beta)\cos^{6}(\beta)-14i\sin^{6}(\beta)\cos^{6}(\beta)\right)+e^{-4i\beta}\left(2i\sin(\beta)\cos^{6}(\beta)\right)+e^{-4i\beta}\left(2i\sin(\beta)\cos^{6}(\beta)\right)+e^{-4i\beta}\left(2i\sin(\beta)\cos^{6}(\beta)\right)+e^{-4i\beta}\left(2i\sin(\beta)\cos^{6}(\beta)\right)+e^{-4i\beta}\left(2i\sin(\beta)\cos^{6}(\beta)\right)+e^{-4
+e^{4i\gamma}(2i\sin(\beta)\cos^{7}(\beta)-4\sin^{2}(\beta)\cos^{6}(\beta)-14i\sin^{3}(\beta)\cos^{5}(\beta)+16\sin^{4}(\beta)\cos^{4}(\beta)+14i\sin^{5}(\beta)\cos^{3}(\beta)-4\sin^{6}(\beta)\cos^{2}(\beta)
  +(\cos^{8}(\beta)-2\sin^{2}(\beta)\cos^{6}(\beta)+10\sin^{4}(\beta)\cos^{4}(\beta)-2\sin^{6}(\beta)\cos^{2}(\beta)+\sin^{8}(\beta))(\cos^{8}(\beta)+2i\sin(\beta)\cos^{7}(\beta)-14\sin^{2}(\beta)\cos^{6}(\beta)
    -30i\sin^{3}(\beta)\cos^{5}(\beta) + 46\sin^{4}(\beta)\cos^{4}(\beta) + 30i\sin^{5}(\beta)\cos^{3}(\beta) - 14\sin^{6}(\beta)\cos^{2}(\beta) - 2i\sin^{7}(\beta)\cos(\beta) + \sin^{8}(\beta) + e^{-8i\gamma}\left(-\sin^{2}(\beta)\cos^{2}(\beta) + 3\sin^{4}(\beta)\cos^{4}(\beta) + 3\sin^{4}(\beta) + 3\sin^{4}(\beta)\cos^{4}(\beta) + 3\sin^{4}(
+e^{8i\gamma}\left(-\sin^2(\beta)\cos^6(\beta)-\sin^6(\beta)\cos^2(\beta)\right)+e^{-4i\gamma}\left(3i\sin(\beta)\cos^7(\beta)-6\sin^2(\beta)\cos^6(\beta)-13i\sin^3(\beta)\cos^5(\beta)+12\sin^4(\beta)\cos^2(\beta)\right)
  +e^{4i\gamma}(3i\sin(\beta)\cos^7(\beta)-6\sin^2(\beta)\cos^6(\beta)-13i\sin^3(\beta)\cos^5(\beta)+12\sin^4(\beta)\cos^4(\beta)+13i\sin^5(\beta)\cos^3(\beta)-6\sin^6(\beta)\cos^2(\beta)-13i\sin^3(\beta)\cos^5(\beta)+12\sin^4(\beta)\cos^4(\beta)+13i\sin^5(\beta)\cos^5(\beta)
+e^{-8i\gamma}\left(-\sin^2(\beta)\cos^6(\beta)-\sin^6(\beta)\cos^2(\beta)\right)\left(-20\sin^2(\beta)\cos^6(\beta)-32i\sin^3(\beta)\cos^5(\beta)+2e^{8i\gamma}\sin^4(\beta)\cos^4(\beta)+36\sin^4(\beta)\cos^2(\beta)\right)
+32i\sin^{5}(\beta)\cos^{3}(\beta)-20\sin^{6}(\beta)\cos^{2}(\beta)+e^{4i\gamma}\left(-16i\sin^{3}(\beta)\cos^{5}(\beta)+24\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{5}(\beta)\cos^{3}(\beta)\right)+e^{-4i\gamma}\left(8i\sin^{5}(\beta)\cos^{5}(\beta)+24\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{5}(\beta)\cos^{3}(\beta)\right)
  +e^{-8i\gamma}\left(\cos^{8}(\beta)+\sin^{8}(\beta)\right)+e^{8i\gamma}\left(-\sin^{2}(\beta)\cos^{6}(\beta)-\sin^{6}(\beta)\cos^{2}(\beta)\right)\left(-20\sin^{2}(\beta)\cos^{6}(\beta)-32i\sin^{3}(\beta)\cos^{5}(\beta)\right)
+2e^{-8i\gamma}\sin^4(\beta)\cos^4(\beta)+36\sin^4(\beta)\cos^4(\beta)+32i\sin^5(\beta)\cos^3(\beta)-20\sin^6(\beta)\cos^2(\beta)+e^{-4i\gamma}\left(-16i\sin^3(\beta)\cos^5(\beta)+24\sin^4(\beta)\cos^2(\beta)+36\sin^4(\beta)\cos^4(\beta)+36\sin^4(\beta)\cos^4(\beta)+36\sin^4(\beta)\cos^4(\beta)+36\sin^4(\beta)\cos^4(\beta)+36\sin^4(\beta)\cos^4(\beta)+36\sin^4(\beta)\cos^4(\beta)+36\sin^4(\beta)\cos^4(\beta)+36\sin^4(\beta)\cos^4(\beta)+36\sin^4(\beta)\cos^4(\beta)+36\sin^4(\beta)\cos^4(\beta)+36\sin^4(\beta)\cos^4(\beta)+36\sin^4(\beta)\cos^4(\beta)+36\sin^4(\beta)\cos^4(\beta)+36\sin^4(\beta)\cos^4(\beta)+36\sin^4(\beta)\cos^4(\beta)+36\sin^4(\beta)\cos^4(\beta)+36\sin^4(\beta)\cos^4(\beta)+36\sin^4(\beta)\cos^4(\beta)+36\sin^4(\beta)\cos^4(\beta)+36\sin^4(\beta)\cos^4(\beta)+36\sin^4(\beta)\cos^4(\beta)+36\sin^4(\beta)\cos^4(\beta)+36\sin^4(\beta)\cos^4(\beta)+36\sin^4(\beta)\cos^4(\beta)+36\sin^4(\beta)\cos^4(\beta)+36\sin^4(\beta)\cos^4(\beta)+36\sin^4(\beta)\cos^4(\beta)+36\sin^4(\beta)\cos^4(\beta)+36\sin^4(\beta)\cos^4(\beta)+36\sin^4(\beta)\cos^4(\beta)+36\sin^4(\beta)\cos^4(\beta)+36\sin^4(\beta)\cos^4(\beta)+36\sin^4(\beta)\cos^4(\beta)+36\sin^4(\beta)\cos^4(\beta)+36\sin^4(\beta)\cos^4(\beta)+36\sin^4(\beta)\cos^4(\beta)+36\sin^4(\beta)\cos^4(\beta)+36\sin^4(\beta)\cos^4(\beta)+36\sin^4(\beta)\cos^4(\beta)+36\sin^4(\beta)\cos^4(\beta)+36\sin^4(\beta)\cos^4(\beta)+36\sin^4(\beta)\cos^4(\beta)+36\sin^4(\beta)\cos^4(\beta)+36\sin^4(\beta)\cos^4(\beta)+36\sin^4(\beta)\cos^4(\beta)+36\sin^4(\beta)\cos^4(\beta)+36\sin^4(\beta)\cos^4(\beta)+36\sin^4(\beta)\cos^4(\beta)+36\sin^4(\beta)\cos^4(\beta)+36\sin^4(\beta)\cos^4(\beta)+36\sin^4(\beta)\cos^4(\beta)+36\sin^4(\beta)\cos^4(\beta)+36\sin^4(\beta)\cos^4(\beta)+36\sin^4(\beta)\cos^4(\beta)+36\sin^4(\beta)\cos^4(\beta)+36\sin^4(\beta)\cos^4(\beta)+36\sin^2(\beta)\cos^2(\beta)+36\sin^4(\beta)\cos^2(\beta)+36\sin^4(\beta)\cos^2(\beta)\cos^2(\beta)+36\sin^4(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^
  +e^{4i\gamma}\left(8i\sin(\beta)\cos^{7}(\beta)-8\sin^{2}(\beta)\cos^{6}(\beta)-8i\sin^{3}(\beta)\cos^{5}(\beta)+8\sin^{4}(\beta)\cos^{4}(\beta)+8i\sin^{5}(\beta)\cos^{3}(\beta)-8\sin^{6}(\beta)\cos^{2}(\beta)-8i\sin^{4}(\beta)\cos^{5}(\beta)+8i\sin^{4}(\beta)\cos^{4}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)+8i\sin^{5}(\beta)+8i\sin^{5}(\beta)+8i\sin^{5}(\beta)+8i\sin^{5}(\beta)+8i\sin^{5}(\beta)+8i\sin^{5}(\beta)+8i\sin^{5}(\beta)+8i\sin^{5}(\beta)+8i\sin^{5}(\beta)+8i\sin^{5}(\beta)+8i\sin^{5}(\beta)+8i\sin^{5}(\beta
+e^{8i\gamma}\left(\cos^{8}(\beta)+\sin^{8}(\beta)\right)+e^{-4i\gamma}\left(2i\sin(\beta)\cos^{7}(\beta)-6i\sin^{3}(\beta)\cos^{5}(\beta)+6i\sin^{5}(\beta)\cos^{3}(\beta)-2i\sin^{7}(\beta)\cos(\beta)\right)\left(5i\sin(\beta)\cos^{7}(\beta)-6i\sin^{3}(\beta)\cos^{5}(\beta)+6i\sin^{5}(\beta)\cos^{3}(\beta)-2i\sin^{7}(\beta)\cos(\beta)\right)
  -12\sin^{2}(\beta)\cos^{6}(\beta) - 33i\sin^{3}(\beta)\cos^{5}(\beta) + 40\sin^{4}(\beta)\cos^{4}(\beta) + 33i\sin^{5}(\beta)\cos^{3}(\beta) - 12\sin^{6}(\beta)\cos^{2}(\beta) - 5i\sin^{7}(\beta)\cos(\beta)
+e^{8i\gamma}\left(i\cos^{3}(\beta)\sin^{5}(\beta)-i\cos^{5}(\beta)\sin^{3}(\beta)\right)+e^{4i\gamma}\left(-6\sin^{2}(\beta)\cos^{6}(\beta)-12i\sin^{3}(\beta)\cos^{5}(\beta)+20\sin^{4}(\beta)\cos^{4}(\beta)+12i\sin^{5}(\beta)\cos^{4}(\beta)+12i\sin^{5}(\beta)\cos^{4}(\beta)+12i\sin^{5}(\beta)\cos^{4}(\beta)+12i\sin^{5}(\beta)\cos^{4}(\beta)+12i\sin^{5}(\beta)\cos^{4}(\beta)+12i\sin^{5}(\beta)\cos^{4}(\beta)+12i\sin^{5}(\beta)\cos^{4}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)\cos^{5}(\beta)\sin^{5}(\beta)\cos^{5}(\beta)\sin^{5}(\beta)\cos^{5}(\beta)\sin^{5}(\beta)\cos^{5}(\beta)\sin^{5}(\beta)\cos^{5}(\beta)\sin^{5}(\beta)\cos^{5}(\beta)\sin^{5}(\beta)\cos^{5}(\beta)\cos^{5}(\beta)\cos^{5}(\beta)\cos^{5}(\beta)\cos^{5}(\beta)\cos^{5}(\beta)\cos^{5}(\beta)\cos^{5}(\beta)\cos^{5}(\beta)\cos^{5}(\beta)\cos^{5}(\beta)\cos^{5}(\beta)\cos^{5}(\beta)\cos^{5}(\beta)\cos^{5}(\beta)\cos^{5}(\beta)\cos^{5}(\beta)\cos^{5}(\beta)\cos^{5}(\beta)\cos^{5}(\beta)\cos^{5}(\beta)\cos^{5}(\beta)\cos^{5}(\beta)\cos^{5}(\beta)\cos^{5}(\beta)\cos^{5}(\beta)\cos^{5}(\beta)\cos^{5}(\beta)\cos^{5}(\beta)\cos^{5}(\beta)\cos^{5}(\beta)\cos^{5}(\beta)\cos^{5}(\beta)\cos^{5}(\beta)\cos^{5}(\beta)\cos^{5}(\beta)\cos^{5}(\beta)\cos^{5}(\beta)\cos^{5}(\beta)\cos^{5}(\beta)\cos^{5}(\beta)\cos^{5}(\beta)\cos^{5}(\beta)\cos^{5}(\beta)\cos^
+e^{-8i\gamma}\left(i\cos^{7}(\beta)\sin(\beta)-i\cos(\beta)\sin^{7}(\beta)\right)+e^{-4i\gamma}\left(\cos^{8}(\beta)+2i\sin(\beta)\cos^{7}(\beta)-10\sin^{2}(\beta)\cos^{6}(\beta)-10i\sin^{3}(\beta)\cos^{5}(\beta)+10\sin^{2}(\beta)\sin^{2}(\beta)\cos^{6}(\beta)\right)
+e^{4i\gamma} \left(2i\sin(\beta)\cos^{7}(\beta)-6i\sin^{3}(\beta)\cos^{5}(\beta)+6i\sin^{5}(\beta)\cos^{3}(\beta)-2i\sin^{7}(\beta)\cos(\beta)\right)\left(5i\sin(\beta)\cos^{7}(\beta)-12\sin^{2}(\beta)\cos^{6}(\beta)\right)
  -33i\sin^{3}(\beta)\cos^{5}(\beta) + 40\sin^{4}(\beta)\cos^{4}(\beta) + 33i\sin^{5}(\beta)\cos^{3}(\beta) - 12\sin^{6}(\beta)\cos^{2}(\beta) - 5i\sin^{7}(\beta)\cos(\beta) + e^{-8i\gamma}\left(i\cos^{3}(\beta)\sin^{5}(\beta)\cos^{4}(\beta)\cos^{2}(\beta)\right) + 2\sin^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta) + 3\sin^{5}(\beta)\cos^{3}(\beta) - 2\sin^{6}(\beta)\cos^{2}(\beta) - 5i\sin^{7}(\beta)\cos(\beta) + e^{-8i\gamma}\left(i\cos^{3}(\beta)\sin^{5}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4
+e^{-4i\gamma}\left(-6\sin^2(\beta)\cos^6(\beta)-12i\sin^3(\beta)\cos^5(\beta)+20\sin^4(\beta)\cos^4(\beta)+12i\sin^5(\beta)\cos^3(\beta)-6\sin^6(\beta)\cos^2(\beta)\right)+e^{8i\gamma}\left(i\cos^7(\beta)\cos^4(\beta)+2\sin^4(\beta)\cos^4(\beta)\cos^4(\beta)+2\sin^4(\beta)\cos^4(\beta)\cos^4(\beta)+3\sin^4(\beta)\cos^4(\beta)\cos^4(\beta)\right)
+e^{4i\gamma}\left(\cos^{8}(\beta)+2i\sin(\beta)\cos^{7}(\beta)-10\sin^{2}(\beta)\cos^{6}(\beta)-10i\sin^{3}(\beta)\cos^{5}(\beta)+10\sin^{4}(\beta)\cos^{4}(\beta)+10i\sin^{5}(\beta)\cos^{3}(\beta)-10\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)+10i\sin^{6}(\beta)+10i\sin^{6}(\beta)+10i\sin^{6}(\beta)+10i\sin^{6}(\beta)+10i\sin^{6}(\beta)+1
+e^{-4i\gamma}\left(i\sin(\beta)\cos^{7}(\beta)-7i\sin^{3}(\beta)\cos^{5}(\beta)+7i\sin^{5}(\beta)\cos^{3}(\beta)-i\sin^{7}(\beta)\cos(\beta)\right)\left(4i\sin(\beta)\cos^{7}(\beta)-16\sin^{2}(\beta)\cos^{6}(\beta)+7i\sin^{5}(\beta)\cos^{3}(\beta)-i\sin^{7}(\beta)\cos^{7}(\beta)\right)
    -34i\sin^{3}(\beta)\cos^{5}(\beta) + 32\sin^{4}(\beta)\cos^{4}(\beta) + 34i\sin^{5}(\beta)\cos^{3}(\beta) - 16\sin^{6}(\beta)\cos^{2}(\beta) - 4i\sin^{7}(\beta)\cos(\beta) + e^{-8i\gamma}\left(i\cos^{3}(\beta)\sin^{5}(\beta)\cos^{4}(\beta)\right) + 32\sin^{4}(\beta)\cos^{4}(\beta) + 34i\sin^{5}(\beta)\cos^{3}(\beta) - 16\sin^{6}(\beta)\cos^{2}(\beta) - 4i\sin^{7}(\beta)\cos(\beta) + e^{-8i\gamma}\left(i\cos^{3}(\beta)\sin^{5}(\beta)\cos^{4}(\beta)\right) + 32\sin^{4}(\beta)\cos^{4}(\beta) + 34i\sin^{5}(\beta)\cos^{3}(\beta) - 16\sin^{6}(\beta)\cos^{2}(\beta) - 4i\sin^{7}(\beta)\cos(\beta) + e^{-8i\gamma}\left(i\cos^{3}(\beta)\sin^{5}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta
+e^{8i\gamma}\left(i\cos^{3}(\beta)\sin^{5}(\beta)-i\cos^{5}(\beta)\sin^{3}(\beta)\right)+e^{4i\gamma}\left(-4\sin^{2}(\beta)\cos^{6}(\beta)-12i\sin^{3}(\beta)\cos^{5}(\beta)+24\sin^{4}(\beta)\cos^{4}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)+12i\sin^{5}(\beta)+12i\sin^{5}(\beta)+12i\sin^{5}(\beta)+12i\sin^{5}(\beta)+12i\sin^{5}(
+e^{-4i\gamma}\left(\cos^{8}(\beta)+4i\sin(\beta)\cos^{7}(\beta)-8\sin^{2}(\beta)\cos^{6}(\beta)\right)^{\frac{37}{8}}i\sin^{3}(\beta)\cos^{5}(\beta)+14\sin^{4}(\beta)\cos^{4}(\beta)+8i\sin^{5}(\beta)\cos^{3}(\beta)-8\sin^{6}(\beta)
  +e^{4i\gamma} \left( i\sin(\beta)\cos^{7}(\beta) - 7i\sin^{3}(\beta)\cos^{5}(\beta) + 7i\sin^{5}(\beta)\cos^{3}(\beta) - i\sin^{7}(\beta)\cos(\beta) \right) \left( 4i\sin(\beta)\cos^{7}(\beta) - 16\sin^{2}(\beta)\cos^{6}(\beta) + 7i\sin^{5}(\beta)\cos^{5}(\beta) - 7i\sin^{5}(\beta)\cos^{5}(\beta) + 7i\sin^{
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 $-34i\sin^{3}(\beta)\cos^{5}(\beta) + 32\sin^{4}(\beta)\cos^{4}(\beta) + 34i\sin^{5}(\beta)\cos^{3}(\beta) - 16\sin^{6}(\beta)\cos^{2}(\beta) - 4i\sin^{7}(\beta)\cos(\beta) + e^{-8i\gamma}\left(i\cos^{3}(\beta)\sin^{5}(\beta)\cos^{2}(\beta) - 4i\sin^{7}(\beta)\cos(\beta)\right) + e^{-8i\gamma}\left(i\cos^{3}(\beta)\sin^{5}(\beta)\cos^{2}(\beta) - 4i\sin^{7}(\beta)\cos(\beta)\right) + e^{-8i\gamma}\left(i\cos^{3}(\beta)\sin^{5}(\beta)\cos^{2}(\beta) - 4i\sin^{7}(\beta)\cos(\beta)\right) + e^{-8i\gamma}\left(i\cos^{3}(\beta)\sin^{5}(\beta)\cos^{3}(\beta) - 4i\sin^{7}(\beta)\cos(\beta)\right) + e^{-8i\gamma}\left(i\cos^{3}(\beta)\sin^{5}(\beta)\cos^{3}(\beta) - 4i\sin^{7}(\beta)\cos(\beta)\right) + e^{-8i\gamma}\left(i\cos^{3}(\beta)\sin^{5}(\beta)\cos^{3}(\beta) - 4i\sin^{7}(\beta)\cos(\beta)\right) + e^{-8i\gamma}\left(i\cos^{3}(\beta)\sin^{5}(\beta)\cos^{3}(\beta) - 4i\sin^{7}(\beta)\cos(\beta)\right) + e^{-8i\gamma}\left(i\cos^{3}(\beta)\sin^{5}(\beta)\cos^{5}(\beta)\cos^{5}(\beta)\right) + e^{-8i\gamma}\left(i\cos^{3}(\beta)\sin^{5}(\beta)\cos^{5}(\beta)\cos^{5}(\beta)\cos^{5}(\beta)\right) + e^{-8i\gamma}\left(i\cos^{5}(\beta)\cos^$

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((2i\cos^3(\beta)\sin^5(\beta) - 2i\cos^5(\beta)\sin^3(\beta))(\cos^8(\beta) + 8i\sin(\beta)\cos^7(\beta) - 20\sin^2(\beta)\cos^6(\beta))
    -24i\sin^{3}(\beta)\cos^{5}(\beta) + 2e^{-8i\gamma}\sin^{4}(\beta)\cos^{4}(\beta) + 2e^{8i\gamma}\sin^{4}(\beta)\cos^{4}(\beta) + 34\sin^{4}(\beta)\cos^{4}(\beta)
+24i\sin^{5}(\beta)\cos^{3}(\beta) - 20\sin^{6}(\beta)\cos^{2}(\beta) - 8i\sin^{7}(\beta)\cos(\beta) + \sin^{8}(\beta)
  +e^{-4i\gamma}\left(-4\sin^{2}(\beta)\cos^{6}(\beta)-16i\sin^{3}(\beta)\cos^{5}(\beta)+16\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{5}(\beta)\cos^{3}(\beta)-4\sin^{6}(\beta)\cos^{2}(\beta)\right)
+e^{4i\gamma}\left(-4\sin^2(\beta)\cos^6(\beta)-16i\sin^3(\beta)\cos^5(\beta)+16\sin^4(\beta)\cos^4(\beta)+16i\sin^5(\beta)\cos^3(\beta)-4\sin^6(\beta)\cos^2(\beta)\right)
+(-6\sin^2(\beta)\cos^6(\beta)+20\sin^4(\beta)\cos^4(\beta)-6\sin^6(\beta)\cos^2(\beta))(\cos^8(\beta)+6i\sin(\beta)\cos^7(\beta)-16\sin^2(\beta)\cos^6(\beta)
  -32i\sin^{3}(\beta)\cos^{5}(\beta) + 30\sin^{4}(\beta)\cos^{4}(\beta) + 32i\sin^{5}(\beta)\cos^{3}(\beta) - 16\sin^{6}(\beta)\cos^{2}(\beta) - 6i\sin^{7}(\beta)\cos(\beta)
+\sin^{8}(\beta) + e^{-8i\gamma} \left(i\cos^{3}(\beta)\sin^{5}(\beta) - i\cos^{5}(\beta)\sin^{3}(\beta)\right) + e^{8i\gamma} \left(i\cos^{3}(\beta)\sin^{5}(\beta) - i\cos^{5}(\beta)\sin^{3}(\beta)\right)
+e^{-4i\gamma}(i\sin(\beta)\cos^{7}(\beta)-6\sin^{2}(\beta)\cos^{6}(\beta)-11i\sin^{3}(\beta)\cos^{5}(\beta)+20\sin^{4}(\beta)\cos^{4}(\beta)+11i\sin^{5}(\beta)\cos^{3}(\beta)-6\sin^{6}(\beta)\cos^{2}(\beta)
  +e^{4i\gamma} \left( i\sin(\beta)\cos^{7}(\beta) - 6\sin^{2}(\beta)\cos^{6}(\beta) - 11i\sin^{3}(\beta)\cos^{5}(\beta) + 20\sin^{4}(\beta)\cos^{4}(\beta) + 11i\sin^{5}(\beta)\cos^{3}(\beta) - 6\sin^{6}(\beta)\cos^{2}(\beta) - 11i\sin^{3}(\beta)\cos^{5}(\beta) + 20\sin^{4}(\beta)\cos^{4}(\beta) + 11i\sin^{5}(\beta)\cos^{3}(\beta) - 6\sin^{6}(\beta)\cos^{2}(\beta) + 11i\sin^{5}(\beta)\cos^{5}(\beta) + 11i\sin^{5}(\beta) + 11i\sin^{5}(\beta) + 11i\sin^{5}(\beta) + 11i\sin^{5}(\beta) + 11i\sin^{5}(\beta
  + (i\sin(\beta)\cos^7(\beta) - 7i\sin^3(\beta)\cos^5(\beta) + 7i\sin^5(\beta)\cos^3(\beta) - i\sin^7(\beta)\cos(\beta))(\cos^8(\beta) + 6i\sin(\beta)\cos^7(\beta)
  -16\sin^2(\beta)\cos^6(\beta) - 26i\sin^3(\beta)\cos^5(\beta) + 2e^{-8i\gamma}\sin^4(\beta)\cos^4(\beta) + 2e^{8i\gamma}\sin^4(\beta)\cos^4(\beta)
  +42\sin^4(\beta)\cos^4(\beta) + 26i\sin^5(\beta)\cos^3(\beta) - 16\sin^6(\beta)\cos^2(\beta) - 6i\sin^7(\beta)\cos(\beta) + \sin^8(\beta)
  +e^{-4i\gamma}\left(i\sin(\beta)\cos^{7}(\beta)-6\sin^{2}(\beta)\cos^{6}(\beta)-15i\sin^{3}(\beta)\cos^{5}(\beta)+12\sin^{4}(\beta)\cos^{4}(\beta)+15i\sin^{5}(\beta)\cos^{3}(\beta)-6\sin^{6}(\beta)\cos^{2}(\beta)+12\sin^{4}(\beta)\cos^{4}(\beta)+15i\sin^{5}(\beta)\cos^{3}(\beta)+12\sin^{4}(\beta)\cos^{4}(\beta)+15i\sin^{5}(\beta)\cos^{3}(\beta)+12\sin^{4}(\beta)\cos^{4}(\beta)+15i\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{4}(\beta)\cos^{4}(\beta)+15i\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{4}(\beta)\cos^{5}(\beta)+12\sin^{4}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)+12\sin^{5}(\beta)+12\sin^{5}(\beta)+12\sin^{5}(\beta)+12\sin^{5}(\beta)+12\sin
+e^{4i\gamma}\left(i\sin(\beta)\cos^{7}(\beta)-6\sin^{2}(\beta)\cos^{6}(\beta)-15i\sin^{3}(\beta)\cos^{5}(\beta)+12\sin^{4}(\beta)\cos^{4}(\beta)+15i\sin^{5}(\beta)\cos^{3}(\beta)-6\sin^{6}(\beta)\cos^{2}(\beta)-15i\sin^{3}(\beta)\cos^{5}(\beta)+12\sin^{4}(\beta)\cos^{4}(\beta)+15i\sin^{5}(\beta)\cos^{3}(\beta)-6\sin^{6}(\beta)\cos^{2}(\beta)-15i\sin^{3}(\beta)\cos^{5}(\beta)+12\sin^{4}(\beta)\cos^{4}(\beta)+15i\sin^{5}(\beta)\cos^{3}(\beta)-6\sin^{6}(\beta)\cos^{2}(\beta)+12\sin^{4}(\beta)\cos^{4}(\beta)+15i\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{4}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin
+(-10\sin^2(\beta)\cos^6(\beta)+12\sin^4(\beta)\cos^4(\beta)-10\sin^6(\beta)\cos^2(\beta))(\cos^8(\beta)+4i\sin(\beta)\cos^7(\beta)-12\sin^2(\beta)\cos^6(\beta)
    -34i\sin^{3}(\beta)\cos^{5}(\beta) + 38\sin^{4}(\beta)\cos^{4}(\beta) + 34i\sin^{5}(\beta)\cos^{3}(\beta) - 12\sin^{6}(\beta)\cos^{2}(\beta) - 4i\sin^{7}(\beta)\cos(\beta) + \sin^{8}(\beta) + e^{-8i\gamma}\left(i\cos^{3}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{3}(\beta)\right) + \sin^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos
+e^{8i\gamma}(i\cos^3(\beta)\sin^5(\beta)-i\cos^5(\beta)\sin^3(\beta))+e^{-4i\gamma}(2i\sin(\beta)\cos^7(\beta)-8\sin^2(\beta)\cos^6(\beta)-10i\sin^3(\beta)\cos^5(\beta)+16\sin^4(\beta)\cos^2(\beta)\sin^3(\beta)\sin^3(\beta)\sin^3(\beta)\cos^2(\beta)\sin^3(\beta)\cos^2(\beta)\sin^3(\beta)\cos^2(\beta)\sin^3(\beta)\cos^2(\beta)\sin^3(\beta)\cos^2(\beta)\sin^3(\beta)\cos^2(\beta)\sin^3(\beta)\cos^2(\beta)\cos^2(\beta)\sin^3(\beta)\cos^2(\beta)\cos^2(\beta)\sin^3(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^
+e^{4i\gamma} \left(2i\sin(\beta)\cos^{7}(\beta)-8\sin^{2}(\beta)\cos^{6}(\beta)-10i\sin^{3}(\beta)\cos^{5}(\beta)+16\sin^{4}(\beta)\cos^{4}(\beta)+10i\sin^{5}(\beta)\cos^{3}(\beta)-8\sin^{6}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)+10i\sin^{2}(\beta)+10i\sin^{2}(\beta)+10i\sin^{2}(\beta)+10i\sin^{2}(\beta)+10i
  +(2i\sin(\beta)\cos^{7}(\beta)-6i\sin^{3}(\beta)\cos^{5}(\beta)+6i\sin^{5}(\beta)\cos^{3}(\beta)-2i\sin^{7}(\beta)\cos(\beta))(\cos^{8}(\beta)+4i\sin(\beta)\cos^{7}(\beta)-15\sin^{2}(\beta)\cos^{6}(\beta)
  -28i\sin^{3}(\beta)\cos^{5}(\beta) + 2e^{8i\gamma}\sin^{4}(\beta)\cos^{4}(\beta) + 44\sin^{4}(\beta)\cos^{4}(\beta) + 28i\sin^{5}(\beta)\cos^{3}(\beta) - 15\sin^{6}(\beta)\cos^{2}(\beta) - 4i\sin^{7}(\beta)\cos(\beta)
+\sin^{8}(\beta) + e^{-8i\gamma} \left(-\sin^{2}(\beta)\cos^{6}(\beta) - \sin^{6}(\beta)\cos^{2}(\beta)\right) + e^{4i\gamma} \left(2i\sin(\beta)\cos^{7}(\beta) - 7\sin^{2}(\beta)\cos^{6}(\beta) - 14i\sin^{3}(\beta)\cos^{5}(\beta) + 10\sin^{2}(\beta)\cos^{6}(\beta)\right) + e^{-8i\gamma} \left(-\sin^{2}(\beta)\cos^{6}(\beta) - \sin^{6}(\beta)\cos^{2}(\beta)\right) + e^{4i\gamma} \left(2i\sin(\beta)\cos^{7}(\beta) - 7\sin^{2}(\beta)\cos^{6}(\beta) - 14i\sin^{3}(\beta)\cos^{5}(\beta)\right) + e^{-8i\gamma} \left(-\sin^{2}(\beta)\cos^{6}(\beta) - \sin^{6}(\beta)\cos^{2}(\beta)\right) + e^{4i\gamma} \left(2i\sin(\beta)\cos^{7}(\beta) - 7\sin^{2}(\beta)\cos^{6}(\beta) - 14i\sin^{3}(\beta)\cos^{5}(\beta)\right) + e^{-4i\gamma} \left(2i\sin(\beta)\cos^{7}(\beta) - 7\sin^{2}(\beta)\cos^{6}(\beta)\right) + e^{-4i\gamma} \left(2i\sin(\beta)\cos^{7}(\beta) - 7\sin^{2}(\beta)\cos^{6}(\beta)\right) + e^{-4i\gamma} \left(2i\sin(\beta)\cos^{7}(\beta) - 7\sin^{2}(\beta)\cos^{7}(\beta)\right) + e^{-4i\gamma} \left(2i\sin(\beta)\cos^{7}(\beta) - 7\sin^{2}(\beta)\cos^{7}(\beta)\right) + e^{-4i\gamma} \left(2i\sin(\beta)\cos^{7}(\beta) - 7\sin^{7}(\beta)\cos^{7}(\beta)\right) + e^{-4i\gamma} \left(2i\sin(\beta)\cos^{7}(\beta) - 7\sin^{7}(\beta)\cos^{7}(\beta)\right) + e^{-4i\gamma} \left(2i\sin(\beta)\cos^{7}(\beta) - 7\sin^{7}(\beta)\cos^{7}(\beta)\right) + e^{-4i\gamma} \left(2i\sin(\beta)\cos^{7}(\beta) - 3\sin^{7}(\beta)\cos^{7}(\beta)\right) + e^{-4i\gamma} \left(2i\sin(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\right) + e^{-4i\gamma} \left(2i\sin(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\right) + e^{-4i\gamma} \left(2i\sin(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\right) + e^{-4i\gamma} \left(2i\sin(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\right) + e^{-4i\gamma} \left(2i\sin(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{
+e^{-4i\gamma}(2i\sin(\beta)\cos^{7}(\beta)-5\sin^{2}(\beta)\cos^{6}(\beta)-14i\sin^{3}(\beta)\cos^{5}(\beta)+14\sin^{4}(\beta)\cos^{4}(\beta)+14i\sin^{5}(\beta)\cos^{3}(\beta)-5\sin^{6}(\beta)\cos^{2}(\beta)
+(8i\cos^{3}(\beta)\sin^{5}(\beta)-8i\cos^{5}(\beta)\sin^{3}(\beta))(\cos^{8}(\beta)+4i\sin(\beta)\cos^{7}(\beta)-15\sin^{2}(\beta)\cos^{6}(\beta)-28i\sin^{3}(\beta)\cos^{5}(\beta)+2e^{-8i\gamma}\sin^{4}(\beta)\cos^{5}(\beta)
  +44\sin^4(\beta)\cos^4(\beta)+28i\sin^5(\beta)\cos^3(\beta)-15\sin^6(\beta)\cos^2(\beta)-4i\sin^7(\beta)\cos(\beta)+\sin^8(\beta)+e^{8i\gamma}\left(-\sin^2(\beta)\cos^6(\beta)-\sin^6(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\sin^2(\beta)\cos^2(\beta)\sin^2(\beta)\cos^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta
  +e^{-4i\gamma}(2i\sin(\beta)\cos^{7}(\beta)-7\sin^{2}(\beta)\cos^{6}(\beta)-14i\sin^{3}(\beta)\cos^{5}(\beta)+10\sin^{4}(\beta)\cos^{4}(\beta)+14i\sin^{5}(\beta)\cos^{3}(\beta)-7\sin^{6}(\beta)\cos^{2}(\beta)
+e^{4i\gamma}(2i\sin(\beta)\cos^{7}(\beta)-5\sin^{2}(\beta)\cos^{6}(\beta)-14i\sin^{3}(\beta)\cos^{5}(\beta)+14\sin^{4}(\beta)\cos^{4}(\beta)+14i\sin^{5}(\beta)\cos^{3}(\beta)-5\sin^{6}(\beta)\cos^{2}(\beta)
+(4i\cos^3(\beta)\sin^5(\beta)-4i\cos^5(\beta)\sin^3(\beta))(\cos^8(\beta)+4i\sin(\beta)\cos^7(\beta)-18\sin^2(\beta)\cos^6(\beta)-28i\sin^3(\beta)\cos^5(\beta)+38\sin^4(\beta)\cos^2(\beta)\sin^3(\beta)\sin^3(\beta)\cos^3(\beta)\sin^3(\beta)\cos^3(\beta)\sin^3(\beta)\cos^3(\beta)\sin^3(\beta)\cos^3(\beta)\sin^3(\beta)\cos^3(\beta)\sin^3(\beta)\cos^3(\beta)\sin^3(\beta)\cos^3(\beta)\sin^3(\beta)\cos^3(\beta)\sin^3(\beta)\cos^3(\beta)\sin^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\sin^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^
  +28i\sin^{5}(\beta)\cos^{3}(\beta)-18\sin^{6}(\beta)\cos^{2}(\beta)-4i\sin^{7}(\beta)\cos(\beta)+\sin^{8}(\beta)+e^{-8i\gamma}\left(-\sin^{2}(\beta)\cos^{6}(\beta)-\sin^{6}(\beta)\cos^{2}(\beta)\right)
+e^{8i\gamma}\left(-\sin^2(\beta)\cos^6(\beta)-\sin^6(\beta)\cos^2(\beta)\right)+e^{-4i\gamma}\left(2i\sin(\beta)\cos^7(\beta)-4\sin^2(\beta)\cos^6(\beta)-14i\sin^3(\beta)\cos^5(\beta)+16\sin^4(\beta)\cos^2(\beta)\right)
+e^{4i\gamma}(2i\sin(\beta)\cos^{7}(\beta)-4\sin^{2}(\beta)\cos^{6}(\beta)-14i\sin^{3}(\beta)\cos^{5}(\beta)+16\sin^{4}(\beta)\cos^{4}(\beta)+14i\sin^{5}(\beta)\cos^{3}(\beta)-4\sin^{6}(\beta)\cos^{2}(\beta)
  +(i\sin(\beta)\cos^{7}(\beta)-7i\sin^{3}(\beta)\cos^{5}(\beta)+7i\sin^{5}(\beta)\cos^{3}(\beta)-i\sin^{7}(\beta)\cos(\beta))(\cos^{8}(\beta)+2i\sin(\beta)\cos^{7}(\beta)-14\sin^{2}(\beta)\cos^{6}(\beta)
  -30i\sin^{3}(\beta)\cos^{5}(\beta) + 46\sin^{4}(\beta)\cos^{4}(\beta) + 30i\sin^{5}(\beta)\cos^{3}(\beta) - 14\sin^{6}(\beta)\cos^{2}(\beta) - 2i\sin^{7}(\beta)\cos(\beta) + \sin^{8}(\beta) + e^{-8i\gamma}\left(-\sin^{2}(\beta)\cos^{2}(\beta) + 30i\sin^{2}(\beta)\cos^{2}(\beta)\right) + 30i\sin^{3}(\beta)\cos^{2}(\beta) + 30i\sin^{2}(\beta)\cos^{2}(\beta) + 30i\sin^{2}(\beta) + 30i\sin^{2}(\beta)\cos^{2}(\beta) + 30i\sin^{2}(\beta)\cos^
+e^{8i\gamma}\left(-\sin^2(\beta)\cos^6(\beta)-\sin^6(\beta)\cos^2(\beta)\right)+e^{-4i\gamma}\left(3i\sin(\beta)\cos^7(\beta)-6\sin^2(\beta)\cos^6(\beta)-13i\sin^3(\beta)\cos^5(\beta)+12\sin^4(\beta)\cos^2(\beta)\right)
  +e^{4i\gamma} \left(3i\sin(\beta)\cos^{7}(\beta)-6\sin^{2}(\beta)\cos^{6}(\beta)-13i\sin^{3}(\beta)\cos^{5}(\beta)+12\sin^{4}(\beta)\cos^{4}(\beta)+13i\sin^{5}(\beta)\cos^{3}(\beta)-6\sin^{6}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)+13i\sin^{2}(\beta)+13i\sin^{2}(\beta)+13i\sin^{2}(\beta)+13i\sin^{2}(\beta)+13i
+e^{-8i\gamma}\left(i\cos^{3}(\beta)\sin^{5}(\beta)-i\cos^{5}(\beta)\sin^{3}(\beta)\right)\left(-20\sin^{2}(\beta)\cos^{6}(\beta)-32i\sin^{3}(\beta)\cos^{5}(\beta)+2e^{8i\gamma}\sin^{4}(\beta)\cos^{4}(\beta)+36\sin^{4}(\beta)\cos^{4}(\beta)+36\sin^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)+36\sin^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)+36\sin^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(
  +32i\sin^{5}(\beta)\cos^{3}(\beta)-20\sin^{6}(\beta)\cos^{2}(\beta)+e^{4i\gamma}\left(-16i\sin^{3}(\beta)\cos^{5}(\beta)+24\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{5}(\beta)\cos^{3}(\beta)\right)+e^{-4i\gamma}\left(8i\sin^{5}(\beta)\cos^{5}(\beta)+24\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{5}(\beta)\cos^{3}(\beta)\right)
  +e^{-8i\gamma}\left(\cos^8(\beta)+\sin^8(\beta)\right)
  +e^{8i\gamma}\left(i\cos^{3}(\beta)\sin^{5}(\beta)-i\cos^{5}(\beta)\sin^{3}(\beta)\right)\left(-20\sin^{2}(\beta)\cos^{6}(\beta)-32i\sin^{3}(\beta)\cos^{5}(\beta)+2e^{-8i\gamma}\sin^{4}(\beta)\cos^{4}(\beta)+36\sin^{4}(\beta)\cos^{4}(\beta)\sin^{2}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta
  +32i\sin^{5}(\beta)\cos^{3}(\beta)-20\sin^{6}(\beta)\cos^{2}(\beta)+e^{-4i\gamma}\left(-16i\sin^{3}(\beta)\cos^{5}(\beta)+24\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{5}(\beta)\cos^{3}(\beta)\right)
+e^{4i\gamma}(8i\sin(\beta)\cos^{7}(\beta)-8\sin^{2}(\beta)\cos^{6}(\beta)-8i\sin^{3}(\beta)\cos^{5}(\beta)+8\sin^{4}(\beta)\cos^{4}(\beta)+8i\sin^{5}(\beta)\cos^{3}(\beta)-8\sin^{6}(\beta)\cos^{2}(\beta)-8i\sin^{4}(\beta)\cos^{5}(\beta)
  +e^{8i\gamma}\left(\cos^8(\beta)+\sin^8(\beta)\right)
+e^{-4i\gamma}\left(-3\sin^2(\beta)\cos^6(\beta)+10\sin^4(\beta)\cos^4(\beta)-3\sin^6(\beta)\cos^2(\beta)\right)\left(5i\sin(\beta)\cos^7(\beta)-12\sin^2(\beta)\cos^6(\beta)-33i\sin^3(\beta)\cos^5(\beta)\right)
+40\sin^{4}(\beta)\cos^{4}(\beta)+33i\sin^{5}(\beta)\cos^{3}(\beta)-12\sin^{6}(\beta)\cos^{2}(\beta)-5i\sin^{7}(\beta)\cos(\beta)+e^{8i\gamma}\left(i\cos^{3}(\beta)\sin^{5}(\beta)-i\cos^{5}(\beta)\sin^{3}(\beta)\right)
+e^{4i\gamma}\left(-6\sin^{2}(\beta)\cos^{6}(\beta)-12i\sin^{3}(\beta)\cos^{5}(\beta)+20\sin^{4}(\beta)\cos^{4}(\beta)+12i\sin^{5}(\beta)\cos^{3}(\beta)-6\sin^{6}(\beta)\cos^{2}(\beta)\right)+e^{-8i\gamma}\left(i\cos^{7}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)+12i\sin^{5}(\beta)\cos^{3}(\beta)-6\sin^{6}(\beta)\cos^{2}(\beta)\right)+e^{-8i\gamma}\left(i\cos^{7}(\beta)\cos^{4}(\beta)+12i\sin^{5}(\beta)\cos^{4}(\beta)+12i\sin^{5}(\beta)\cos^{4}(\beta)+12i\sin^{5}(\beta)\cos^{4}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)+12i\sin^{5}(\beta)+12i\sin^{5}(\beta)+12i\sin^{5}(\beta)+12i\sin^{5}(\beta)+12i\sin^{5}(\beta)+12i\sin^{5}(\beta
  +e^{-4i\gamma}(\cos^8(\beta)+2i\sin(\beta)\cos^7(\beta)-10\sin^2(\beta)\cos^6(\beta)-10i\sin^3(\beta)\cos^5(\beta)+10\sin^4(\beta)\cos^4(\beta)+10i\sin^5(\beta)\cos^3(\beta)-10\sin^2(\beta)\cos^6(\beta)
+e^{4i\gamma}\left(-3\sin^2(\beta)\cos^6(\beta)+10\sin^4(\beta)\cos^4(\beta)-3\sin^6(\beta)\cos^2(\beta)\right)\left(5i\sin(\beta)\cos^7(\beta)-12\sin^2(\beta)\cos^6(\beta)-33i\sin^3(\beta)\cos^5(\beta)\right)
+40\sin^4(\beta)\cos^4(\beta)+33i\sin^5(\beta)\cos^3(\beta)-12\sin^6(\beta)\cos^2(\beta)-5i\sin^7(\beta)\cos(\beta)+e^{-8i\gamma}(i\cos^3(\beta)\sin^5(\beta)-i\cos^5(\beta)\sin^3(\beta))
  +e^{-4i\gamma}\left(-6\sin^2(\beta)\cos^6(\beta)-12i\sin^3(\beta)\cos^5(\beta)+20\sin^4(\beta)\cos^4(\beta)+12i\sin^5(\beta)\cos^3(\beta)-6\sin^6(\beta)\cos^2(\beta)\right)+e^{8i\gamma}\left(i\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos
+e^{4i\gamma}\left(\cos^{8}(\beta)+2i\sin(\beta)\cos^{7}(\beta)-10\sin^{2}(\beta)\cos^{6}(\beta)-10i\sin^{3}(\beta)\cos^{5}(\beta)+10\sin^{4}(\beta)\cos^{4}(\beta)+10i\sin^{5}(\beta)\cos^{3}(\beta)-10\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)+10i\sin^{6}(\beta)+10i\sin^{6}(\beta)+10i\sin^{6}(\beta)+10i\sin^{6}(\beta)+10i\sin^{6}(\beta)+1
  +e^{-4i\gamma}\left(-\sin^2(\beta)\cos^6(\beta)+14\sin^4(\beta)\cos^4(\beta)-\sin^6(\beta)\cos^2(\beta)\right)\left(4i\sin(\beta)\cos^7(\beta)-16\sin^2(\beta)\cos^6(\beta)-34i\sin^3(\beta)\cos^5(\beta)\right)
  +32\sin^{4}(\beta)\cos^{4}(\beta)+34i\sin^{5}(\beta)\cos^{3}(\beta)-16\sin^{6}(\beta)\cos^{2}(\beta)-4i\sin^{7}(\beta)\cos(\beta)+e^{-8i\gamma}\left(i\cos^{3}(\beta)\sin^{5}(\beta)-i\cos^{5}(\beta)\sin^{3}(\beta)\right)
  +e^{8i\gamma}\left(i\cos^{3}(\beta)\sin^{5}(\beta)-i\cos^{5}(\beta)\sin^{3}(\beta)\right)+e^{4i\gamma}\left(-4\sin^{2}(\beta)\cos^{6}(\beta)-12i\sin^{3}(\beta)\cos^{5}(\beta)+24\sin^{4}(\beta)\cos^{4}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)+12i\sin^{5}(\beta)+12i\sin^{5}(\beta)+12i\sin^{5}(\beta)+12i\sin^{5}(\beta)+12i\sin^{5}(
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(2e^{-8i\gamma}\cos^4(\beta)(-20\sin^2(\beta)\cos^6(\beta) - 32i\sin^3(\beta)\cos^5(\beta) + 2e^{8i\gamma}\sin^4(\beta)\cos^4(\beta) + 36\sin^4(\beta)\cos^4(\beta)
+32i\sin^{5}(\beta)\cos^{3}(\beta)-20\sin^{6}(\beta)\cos^{2}(\beta)+e^{4i\gamma}\left(-16i\sin^{3}(\beta)\cos^{5}(\beta)+24\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{5}(\beta)\cos^{3}(\beta)\right)
+e^{-4i\gamma}(8i\sin(\beta)\cos^{7}(\beta)-8\sin^{2}(\beta)\cos^{6}(\beta)-8i\sin^{3}(\beta)\cos^{5}(\beta)+8\sin^{4}(\beta)\cos^{4}(\beta)+8i\sin^{5}(\beta)\cos^{3}(\beta)-8\sin^{6}(\beta)\cos^{2}(\beta)-8\sin^{6}(\beta)\cos^{6}(\beta)
  +e^{-8i\gamma}\left(\cos^{8}(\beta)+\sin^{8}(\beta)\right)\sin^{4}(\beta)+\left(-\sin^{2}(\beta)\cos^{6}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)-\sin^{6}(\beta)\cos^{2}(\beta)\right)\left(\cos^{8}(\beta)+\sin^{8}(\beta)\right)\sin^{4}(\beta)
  +8i\sin(\beta)\cos^{7}(\beta) - 20\sin^{2}(\beta)\cos^{6}(\beta) - 24i\sin^{3}(\beta)\cos^{5}(\beta) + 2e^{-8i\gamma}\sin^{4}(\beta)\cos^{4}(\beta) + 2e^{8i\gamma}\sin^{4}(\beta)\cos^{4}(\beta)
+34\sin^4(\beta)\cos^4(\beta) + 24i\sin^5(\beta)\cos^3(\beta) - 20\sin^6(\beta)\cos^2(\beta) - 8i\sin^7(\beta)\cos(\beta) + \sin^8(\beta)
  +e^{-4i\gamma}\left(-4\sin^2(\beta)\cos^6(\beta)-16i\sin^3(\beta)\cos^5(\beta)+16\sin^4(\beta)\cos^4(\beta)+16i\sin^5(\beta)\cos^3(\beta)-4\sin^6(\beta)\cos^2(\beta)\right)
+e^{4i\gamma}\left(-4\sin^2(\beta)\cos^6(\beta)-16i\sin^3(\beta)\cos^5(\beta)+16\sin^4(\beta)\cos^4(\beta)+16i\sin^5(\beta)\cos^3(\beta)-4\sin^6(\beta)\cos^2(\beta)\right)
+(2i\sin(\beta)\cos^{7}(\beta)-14i\sin^{3}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{3}(\beta)-2i\sin^{7}(\beta)\cos(\beta))(\cos^{8}(\beta)
  +6i\sin(\beta)\cos^{7}(\beta) - 16\sin^{2}(\beta)\cos^{6}(\beta) - 32i\sin^{3}(\beta)\cos^{5}(\beta) + 30\sin^{4}(\beta)\cos^{4}(\beta)
  +32i\sin^{5}(\beta)\cos^{3}(\beta) - 16\sin^{6}(\beta)\cos^{2}(\beta) - 6i\sin^{7}(\beta)\cos(\beta) + \sin^{8}(\beta)
+e^{-8i\gamma}\left(i\cos^{3}(\beta)\sin^{5}(\beta)-i\cos^{5}(\beta)\sin^{3}(\beta)\right)+e^{8i\gamma}\left(i\cos^{3}(\beta)\sin^{5}(\beta)-i\cos^{5}(\beta)\sin^{3}(\beta)\right)
+e^{-4i\gamma} \left( i\sin(\beta)\cos^{7}(\beta) - 6\sin^{2}(\beta)\cos^{6}(\beta) - 11i\sin^{3}(\beta)\cos^{5}(\beta) + 20\sin^{4}(\beta)\cos^{4}(\beta) + 11i\sin^{5}(\beta)\cos^{3}(\beta) - 6\sin^{6}(\beta)\cos^{2}(\beta) + 20\sin^{4}(\beta)\cos^{4}(\beta) + 11i\sin^{5}(\beta)\cos^{3}(\beta) - 6\sin^{6}(\beta)\cos^{2}(\beta) + 20\sin^{4}(\beta)\cos^{4}(\beta) + 11i\sin^{5}(\beta)\cos^{3}(\beta) - 6\sin^{6}(\beta)\cos^{2}(\beta) + 20\sin^{4}(\beta)\cos^{4}(\beta) + 11i\sin^{5}(\beta)\cos^{3}(\beta) + 20\sin^{4}(\beta)\cos^{4}(\beta) + 11i\sin^{5}(\beta)\cos^{5}(\beta) + 20\sin^{4}(\beta)\cos^{5}(\beta) + 20\sin^{4}(\beta)\cos^{5}(\beta)
+e^{4i\gamma}\left(i\sin(\beta)\cos^{7}(\beta)-6\sin^{2}(\beta)\cos^{6}(\beta)-11i\sin^{3}(\beta)\cos^{5}(\beta)+20\sin^{4}(\beta)\cos^{4}(\beta)+11i\sin^{5}(\beta)\cos^{3}(\beta)-6\sin^{6}(\beta)\cos^{2}(\beta)-11i\sin^{3}(\beta)\cos^{5}(\beta)+20\sin^{4}(\beta)\cos^{4}(\beta)+11i\sin^{5}(\beta)\cos^{3}(\beta)-6\sin^{6}(\beta)\cos^{2}(\beta)-11i\sin^{3}(\beta)\cos^{5}(\beta)+20\sin^{4}(\beta)\cos^{4}(\beta)+11i\sin^{5}(\beta)\cos^{3}(\beta)-6\sin^{6}(\beta)\cos^{2}(\beta)-11i\sin^{3}(\beta)\cos^{5}(\beta)+20\sin^{4}(\beta)\cos^{4}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)+11i\sin^{5}(\beta)+11i\sin^{5}(\beta)+11i\sin^{5}(\beta)+11i\sin^{5}(\beta)+11i\sin^{5}(\beta)+
+(-4\sin^2(\beta)\cos^6(\beta)+8\sin^4(\beta)\cos^4(\beta)-4\sin^6(\beta)\cos^2(\beta))(\cos^8(\beta)+6i\sin(\beta)\cos^7(\beta)-16\sin^2(\beta)\cos^6(\beta)-26i\sin^3(\beta)\cos^2(\beta))
  +2e^{-8i\gamma}\sin^4(\beta)\cos^4(\beta)+2e^{8i\gamma}\sin^4(\beta)\cos^4(\beta)+42\sin^4(\beta)\cos^4(\beta)+26i\sin^5(\beta)\cos^3(\beta)-16\sin^6(\beta)\cos^2(\beta)-6i\sin^7(\beta)\cos^2(\beta)
+\sin^{8}(\beta) + e^{-4i\gamma} \left( i\sin(\beta)\cos^{7}(\beta) - 6\sin^{2}(\beta)\cos^{6}(\beta) - 15i\sin^{3}(\beta)\cos^{5}(\beta) + 12\sin^{4}(\beta)\cos^{4}(\beta) + 15i\sin^{5}(\beta)\cos^{3}(\beta) - 6\sin^{6}(\beta)\cos^{6}(\beta) + 15i\sin^{6}(\beta)\cos^{6}(\beta) + 15i\sin^{6}(\beta) + 15i\sin^{6}(\beta)
+e^{4i\gamma}\left(i\sin(\beta)\cos^{7}(\beta)-6\sin^{2}(\beta)\cos^{6}(\beta)-15i\sin^{3}(\beta)\cos^{5}(\beta)+12\sin^{4}(\beta)\cos^{4}(\beta)+15i\sin^{5}(\beta)\cos^{3}(\beta)-6\sin^{6}(\beta)\cos^{2}(\beta)-15i\sin^{3}(\beta)\cos^{5}(\beta)+12\sin^{4}(\beta)\cos^{4}(\beta)+15i\sin^{5}(\beta)\cos^{3}(\beta)-6\sin^{6}(\beta)\cos^{2}(\beta)-15i\sin^{4}(\beta)\cos^{5}(\beta)+12\sin^{4}(\beta)\cos^{4}(\beta)+15i\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{4}(\beta)\cos^{5}(\beta)+12\sin^{4}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin
+(2i\sin(\beta)\cos^{7}(\beta)-14i\sin^{3}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{3}(\beta)-2i\sin^{7}(\beta)\cos(\beta))(\cos^{8}(\beta)+4i\sin(\beta)\cos^{7}(\beta)-12\sin^{2}(\beta)\cos^{2}(\beta)
  -34i\sin^{3}(\beta)\cos^{5}(\beta) + 38\sin^{4}(\beta)\cos^{4}(\beta) + 34i\sin^{5}(\beta)\cos^{3}(\beta) - 12\sin^{6}(\beta)\cos^{2}(\beta) - 4i\sin^{7}(\beta)\cos(\beta) + \sin^{8}(\beta) + e^{-8i\gamma}(i\cos^{3}(\beta)\cos^{2}(\beta) + 3\sin^{4}(\beta)\cos^{4}(\beta) + 3\sin^{4}(\beta)\cos^{4}(\beta) + 3\sin^{4}(\beta)\cos^{3}(\beta) + 3\sin^{4}(\beta)\cos^{4}(\beta) + 3\sin^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta) + 3\sin^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta) + 3\sin^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta) + 3\sin^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{
+e^{8i\gamma}(i\cos^3(\beta)\sin^5(\beta)-i\cos^5(\beta)\sin^3(\beta))+e^{-4i\gamma}(2i\sin(\beta)\cos^7(\beta)-8\sin^2(\beta)\cos^6(\beta)-10i\sin^3(\beta)\cos^5(\beta)+16\sin^4(\beta)\cos^2(\beta)\sin^3(\beta)\sin^3(\beta)\sin^3(\beta)\cos^2(\beta)\sin^3(\beta)\cos^2(\beta)\sin^3(\beta)\cos^2(\beta)\sin^3(\beta)\cos^2(\beta)\sin^3(\beta)\cos^2(\beta)\sin^3(\beta)\cos^2(\beta)\sin^3(\beta)\cos^2(\beta)\cos^2(\beta)\sin^3(\beta)\cos^2(\beta)\cos^2(\beta)\sin^3(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^
  +e^{4i\gamma} \left(2i\sin(\beta)\cos^{7}(\beta)-8\sin^{2}(\beta)\cos^{6}(\beta)-10i\sin^{3}(\beta)\cos^{5}(\beta)+16\sin^{4}(\beta)\cos^{4}(\beta)+10i\sin^{5}(\beta)\cos^{3}(\beta)-8\sin^{6}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)+10i\sin^{2}(\beta)+10i\sin^{2}(\beta)+10i\sin^{2}(\beta)+10i\sin^{2}(\beta)+10i\sin^{2}(\beta)+10i\sin^{2}(\beta)+10i\sin^{2}(\beta)+10i\sin^{2}(\beta)+10i\sin^{2}(\beta)+10i
  +(-2\sin^2(\beta)\cos^6(\beta)+12\sin^4(\beta)\cos^4(\beta)-2\sin^6(\beta)\cos^2(\beta))(\cos^8(\beta)+4i\sin(\beta)\cos^7(\beta)-15\sin^2(\beta)\cos^6(\beta)-28i\sin^3(\beta)\cos^2(\beta)
  +2e^{8i\gamma}\sin^4(\beta)\cos^4(\beta)+44\sin^4(\beta)\cos^4(\beta)+28i\sin^5(\beta)\cos^3(\beta)-15\sin^6(\beta)\cos^2(\beta)-4i\sin^7(\beta)\cos(\beta)+\sin^8(\beta)
+e^{-8i\gamma}\left(-\sin^{2}(\beta)\cos^{6}(\beta)-\sin^{6}(\beta)\cos^{2}(\beta)\right)+e^{4i\gamma}\left(2i\sin(\beta)\cos^{7}(\beta)-7\sin^{2}(\beta)\cos^{6}(\beta)-14i\sin^{3}(\beta)\cos^{5}(\beta)+10\sin^{4}(\beta)\cos^{2}(\beta)\right)
+e^{-4i\gamma}(2i\sin(\beta)\cos^{7}(\beta)-5\sin^{2}(\beta)\cos^{6}(\beta)-14i\sin^{3}(\beta)\cos^{5}(\beta)+14\sin^{4}(\beta)\cos^{4}(\beta)+14i\sin^{5}(\beta)\cos^{3}(\beta)-5\sin^{6}(\beta)\cos^{2}(\beta)
  +(\cos^{8}(\beta)-2\sin^{2}(\beta)\cos^{6}(\beta)+10\sin^{4}(\beta)\cos^{4}(\beta)-2\sin^{6}(\beta)\cos^{2}(\beta)+\sin^{8}(\beta))(\cos^{8}(\beta)+4i\sin(\beta)\cos^{7}(\beta)-15\sin^{2}(\beta)\cos^{6}(\beta)
  -28i\sin^{3}(\beta)\cos^{5}(\beta)+2e^{-8i\gamma}\sin^{4}(\beta)\cos^{4}(\beta)+44\sin^{4}(\beta)\cos^{4}(\beta)+28i\sin^{5}(\beta)\cos^{3}(\beta)-15\sin^{6}(\beta)\cos^{2}(\beta)-4i\sin^{7}(\beta)\cos(\beta)
+\sin^{8}(\beta) + e^{8i\gamma} \left(-\sin^{2}(\beta)\cos^{6}(\beta) - \sin^{6}(\beta)\cos^{2}(\beta)\right) + e^{-4i\gamma} \left(2i\sin(\beta)\cos^{7}(\beta) - 7\sin^{2}(\beta)\cos^{6}(\beta) - 14i\sin^{3}(\beta)\cos^{5}(\beta) + 10\sin^{2}(\beta)\cos^{6}(\beta)\right) + e^{-4i\gamma} \left(2i\sin(\beta)\cos^{7}(\beta) - 7\sin^{2}(\beta)\cos^{6}(\beta) - 14i\sin^{3}(\beta)\cos^{5}(\beta)\right) + e^{-4i\gamma} \left(2i\sin(\beta)\cos^{7}(\beta) - 7\sin^{2}(\beta)\cos^{6}(\beta)\right) + e^{-4i\gamma} \left(2i\sin(\beta)\cos^{7}(\beta) - 7\sin^{2}(\beta)\cos^{7}(\beta)\right) + e^{-4i\gamma} \left(2i\sin(\beta)\cos^{7}(\beta) - 7\sin^{2}(\beta)\cos^{7}(\beta)\right) + e^{-4i\gamma} \left(2i\sin(\beta)\cos^{7}(\beta) - 7\sin^{7}(\beta)\cos^{7}(\beta)\right) + e^{-4i\gamma} \left(2i\sin(\beta)\cos^{7}(\beta) - 14i\sin^{7}(\beta)\cos^{7}(\beta)\right) + e^{-4i\gamma} \left(2i\sin(\beta)\cos^{7}(\beta)\cos^{7}(\beta) - 14i\sin^{7}(\beta)\cos^{7}(\beta)\right) + e^{-4i\gamma} \left(2i\sin(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\right) + e^{-4i\gamma} \left(2i\sin(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\right) + e^{-4i\gamma} \left(2i\sin(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\right) + e^{-4i\gamma} \left(2i\sin(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}
+e^{4i\gamma} \left(2i\sin(\beta)\cos^{7}(\beta)-5\sin^{2}(\beta)\cos^{6}(\beta)-14i\sin^{3}(\beta)\cos^{5}(\beta)+14\sin^{4}(\beta)\cos^{4}(\beta)+14i\sin^{5}(\beta)\cos^{3}(\beta)-5\sin^{6}(\beta)\cos^{2}(\beta)-14i\sin^{3}(\beta)\cos^{5}(\beta)+14\sin^{4}(\beta)\cos^{4}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{4}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)+14\sin^{5}(\beta)+14\sin^{5}(\beta)+14\sin^{5}
+(-2\sin^2(\beta)\cos^6(\beta)+4\sin^4(\beta)\cos^4(\beta)-2\sin^6(\beta)\cos^2(\beta))(\cos^8(\beta)+4i\sin(\beta)\cos^7(\beta)-18\sin^2(\beta)\cos^6(\beta)-28i\sin^3(\beta)\cos^2(\beta))
  +38\sin^{4}(\beta)\cos^{4}(\beta)+28i\sin^{5}(\beta)\cos^{3}(\beta)-18\sin^{6}(\beta)\cos^{2}(\beta)-4i\sin^{7}(\beta)\cos(\beta)+\sin^{8}(\beta)+e^{-8i\gamma}\left(-\sin^{2}(\beta)\cos^{6}(\beta)-\sin^{6}(\beta)\cos^{2}(\beta)+\sin^{6}(\beta)\cos^{2}(\beta)+\sin^{6}(\beta)\cos^{2}(\beta)+\sin^{6}(\beta)\cos^{2}(\beta)+\sin^{6}(\beta)\cos^{2}(\beta)+\sin^{6}(\beta)\cos^{2}(\beta)+\sin^{6}(\beta)\cos^{2}(\beta)+\sin^{6}(\beta)\cos^{2}(\beta)+\sin^{6}(\beta)\cos^{2}(\beta)+\sin^{6}(\beta)\cos^{2}(\beta)+\sin^{6}(\beta)\cos^{2}(\beta)+\sin^{6}(\beta)\cos^{2}(\beta)+\sin^{6}(\beta)\cos^{2}(\beta)+\sin^{6}(\beta)\cos^{2}(\beta)+\sin^{6}(\beta)\cos^{2}(\beta)+\sin^{6}(\beta)\cos^{2}(\beta)+\sin^{6}(\beta)\cos^{2}(\beta)+\sin^{6}(\beta)\cos^{2}(\beta)+\sin^{6}(\beta)\cos^{2}(\beta)+\sin^{6}(\beta)\cos^{2}(\beta)+\sin^{6}(\beta)\cos^{2}(\beta)+\sin^{6}(\beta)\cos^{2}(\beta)+\sin^{6}(\beta)\cos^{2}(\beta)+\sin^{6}(\beta)\cos^{2}(\beta)+\sin^{6}(\beta)\cos^{2}(\beta)+\sin^{6}(\beta)\cos^{2}(\beta)+\sin^{6}(\beta)\cos^{2}(\beta)+\sin^{6}(\beta)\cos^{2}(\beta)+\sin^{6}(\beta)\cos^{2}(\beta)+\sin^{6}(\beta)\cos^{2}(\beta)+\sin^{6}(\beta)\cos^{2}(\beta)+\sin^{6}(\beta)\cos^{2}(\beta)+\sin^{6}(\beta)\cos^{2}(\beta)+\sin^{6}(\beta)\cos^{6}(\beta)+\sin^{6}(\beta)\cos^{6}(\beta)+\sin^{6}(\beta)\cos^{6}(\beta)+\sin^{6}(\beta)\cos^{6}(\beta)+\sin^{6}(\beta)\cos^{6}(\beta)+\sin^{6}(\beta)\cos^{6}(\beta)+\sin^{6}(\beta)\cos^{6}(\beta)+\sin^{6}(\beta)\cos^{6}(\beta)+\sin^{6}(\beta)\cos^{6}(\beta)+\sin^{6}(\beta)\cos^{6}(\beta)+\sin^{6}(\beta)\cos^{6}(\beta)+\sin^{6}(\beta)\cos^{6}(\beta)+\sin^{6}(\beta)\cos^{6}(\beta)+\sin^{6}(\beta)\cos^{6}(\beta)+\sin^{6}(\beta)\cos^{6}(\beta)+\sin^{6}(\beta)\cos^{6}(\beta)+\sin^{6}(\beta)\cos^{6}(\beta)+\sin^{6}(\beta)\cos^{6}(\beta)+\sin^{6}(\beta)\cos^{6}(\beta)+\sin^{6}(\beta)\cos^{6}(\beta)+\sin^{6}(\beta)\cos^{6}(\beta)+\sin^{6}(\beta)\cos^{6}(\beta)+\sin^{6}(\beta)\cos^{6}(\beta)+\sin^{6}(\beta)\cos^{6}(\beta)+\sin^{6}(\beta)\cos^{6}(\beta)+\sin^{6}(\beta)\cos^{6}(\beta)+\sin^{6}(\beta)\cos^{6}(\beta)+\sin^{6}(\beta)\cos^{6}(\beta)+\sin^{6}(\beta)\cos^{6}(\beta)+\sin^{6}(\beta)\cos^{6}(\beta)+\sin^{6}(\beta)\cos^{6}(\beta)+\sin^{6}(\beta)\cos^{6}(\beta)+\sin^{6}(\beta)\cos^{6}(\beta)+\sin^{6}(\beta)\cos^{6}(\beta)+\sin^{6}(\beta)\cos^{6}(\beta)+\sin^{6}(\beta)\cos^{6}(\beta)+\sin^{6}(\beta)\cos^{6}(\beta)+\sin^{6}(\beta)\cos^{6}(\beta)+\sin^{6}(\beta)\cos^{6}(\beta)+\sin^{6}(\beta)\cos^{6}(\beta)+\sin^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6
+e^{8i\gamma}\left(-\sin^2(\beta)\cos^6(\beta)-\sin^6(\beta)\cos^2(\beta)\right)+e^{-4i\gamma}\left(2i\sin(\beta)\cos^7(\beta)-4\sin^2(\beta)\cos^6(\beta)-14i\sin^3(\beta)\cos^5(\beta)+16\sin^4(\beta)\cos^2(\beta)\right)
+e^{4i\gamma}(2i\sin(\beta)\cos^{7}(\beta)-4\sin^{2}(\beta)\cos^{6}(\beta)-14i\sin^{3}(\beta)\cos^{5}(\beta)+16\sin^{4}(\beta)\cos^{4}(\beta)+14i\sin^{5}(\beta)\cos^{3}(\beta)-4\sin^{6}(\beta)\cos^{2}(\beta)
  +(-4\sin^2(\beta)\cos^6(\beta)+8\sin^4(\beta)\cos^4(\beta)-4\sin^6(\beta)\cos^2(\beta))(\cos^8(\beta)+2i\sin(\beta)\cos^7(\beta)-14\sin^2(\beta)\cos^6(\beta)-30i\sin^3(\beta)\cos^2(\beta))
+46\sin^4(\beta)\cos^4(\beta)+30i\sin^5(\beta)\cos^3(\beta)-14\sin^6(\beta)\cos^2(\beta)-2i\sin^7(\beta)\cos(\beta)+\sin^8(\beta)+e^{-8i\gamma}(-\sin^2(\beta)\cos^6(\beta)-\sin^6(\beta))
+e^{8i\gamma}\left(-\sin^2(\beta)\cos^6(\beta)-\sin^6(\beta)\cos^2(\beta)\right)+e^{-4i\gamma}\left(3i\sin(\beta)\cos^7(\beta)-6\sin^2(\beta)\cos^6(\beta)-13i\sin^3(\beta)\cos^5(\beta)+12\sin^4(\beta)\cos^2(\beta)\right)
  +e^{4i\gamma}(3i\sin(\beta)\cos^{7}(\beta)-6\sin^{2}(\beta)\cos^{6}(\beta)-13i\sin^{3}(\beta)\cos^{5}(\beta)+12\sin^{4}(\beta)\cos^{4}(\beta)+13i\sin^{5}(\beta)\cos^{3}(\beta)-6\sin^{6}(\beta)\cos^{2}(\beta)
+e^{8i\gamma}\left(-\sin^2(\beta)\cos^6(\beta)-\sin^6(\beta)\cos^2(\beta)\right)\left(-20\sin^2(\beta)\cos^6(\beta)-32i\sin^3(\beta)\cos^5(\beta)+2e^{-8i\gamma}\sin^4(\beta)\cos^4(\beta)+36\sin^4(\beta)\cos^2(\beta)\right)
+32i\sin^{5}(\beta)\cos^{3}(\beta)-20\sin^{6}(\beta)\cos^{2}(\beta)+e^{-4i\gamma}\left(-16i\sin^{3}(\beta)\cos^{5}(\beta)+24\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{5}(\beta)\cos^{3}(\beta)\right)
+e^{4i\gamma}(8i\sin(\beta)\cos^{7}(\beta)-8\sin^{2}(\beta)\cos^{6}(\beta)-8i\sin^{3}(\beta)\cos^{5}(\beta)+8\sin^{4}(\beta)\cos^{4}(\beta)+8i\sin^{5}(\beta)\cos^{3}(\beta)-8\sin^{6}(\beta)\cos^{2}(\beta)-8i\sin^{4}(\beta)\cos^{5}(\beta)
+e^{8i\gamma}\left(\cos^8(\beta)+\sin^8(\beta)\right)
+e^{-4i\gamma}\left(8i\cos^{3}(\beta)\sin^{5}(\beta)-8i\cos^{5}(\beta)\sin^{3}(\beta)\right)\left(5i\sin(\beta)\cos^{7}(\beta)-12\sin^{2}(\beta)\cos^{6}(\beta)-33i\sin^{3}(\beta)\cos^{5}(\beta)+40\sin^{4}(\beta)\cos^{4}(\beta)\sin^{2}(\beta)\cos^{4}(\beta)\sin^{5}(\beta)\cos^{5}(\beta)\sin^{5}(\beta)\cos^{5}(\beta)\sin^{5}(\beta)\cos^{5}(\beta)\sin^{5}(\beta)\cos^{5}(\beta)\sin^{5}(\beta)\cos^{5}(\beta)\sin^{5}(\beta)\cos^{5}(\beta)\sin^{5}(\beta)\cos^{5}(\beta)\sin^{5}(\beta)\cos^{5}(\beta)\sin^{5}(\beta)\cos^{5}(\beta)\sin^{5}(\beta)\cos^{5}(\beta)\sin^{5}(\beta)\cos^{5}(\beta)\sin^{5}(\beta)\cos^{5}(\beta)\sin^{5}(\beta)\cos^{5}(\beta)\sin^{5}(\beta)\cos^{5}(\beta)\sin^{5}(\beta)\cos^{5}(\beta)\sin^{5}(\beta)\cos^{5}(\beta)\sin^{5}(\beta)\cos^{5}(\beta)\sin^{5}(\beta)\cos^{5}(\beta)\sin^{5}(\beta)\cos^{5}(\beta)\sin^{5}(\beta)\cos^{5}(\beta)\sin^{5}(\beta)\cos^{5}(\beta)\sin^{5}(\beta)\cos^{5}(\beta)\sin^{5}(\beta)\cos^{5}(\beta)\sin^{5}(\beta)\cos^{5}(\beta)\sin^{5}(\beta)\cos^{5}(\beta)\sin^{5}(\beta)\cos^{5}(\beta)\sin^{5}(\beta)\cos^{5}(\beta)\sin^{5}(\beta)\cos^{5}(\beta)\sin^{5}(\beta)\cos^{5}(\beta)\sin^{5}(\beta)\cos^{5}(\beta)\sin^{5}(\beta)\cos^{5}(\beta)\sin^{5}(\beta)\cos^{5}(\beta)\sin^{5}(\beta)\cos^{5}(\beta)\sin^{5}(\beta)\cos^{5}(\beta)\sin^{5}(\beta)\cos^{5}(\beta)\sin^{5}(\beta)\cos^{5}(\beta)\sin^{5}(\beta)\cos^{5}(\beta)\sin^{5}(\beta)\cos^{5}(\beta)\sin^{5}(\beta)\cos^{5}(\beta)\sin^{5}(\beta)\cos^{5}(\beta)\sin^{5}(\beta)\cos^{5}(\beta)\sin^{5}(\beta)\cos^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)
+33i\sin^{5}(\beta)\cos^{3}(\beta)-12\sin^{6}(\beta)\cos^{2}(\beta)-5i\sin^{7}(\beta)\cos(\beta)+e^{8i\gamma}(i\cos^{3}(\beta)\sin^{5}(\beta)-i\cos^{5}(\beta)\sin^{3}(\beta))+e^{4i\gamma}(-6\sin^{2}(\beta)\cos^{2}(\beta)\sin^{3}(\beta))
+e^{-8i\gamma}(i\cos^7(\beta)\sin(\beta)-i\cos(\beta)\sin^7(\beta))+e^{-4i\gamma}(\cos^8(\beta)+2i\sin(\beta)\cos^7(\beta)-10\sin^2(\beta)\cos^6(\beta)-10i\sin^3(\beta)\cos^5(\beta)+10\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2
+e^{4i\gamma} \left(2i\sin(\beta)\cos^{7}(\beta)-6i\sin^{3}(\beta)\cos^{5}(\beta)+6i\sin^{5}(\beta)\cos^{3}(\beta)-2i\sin^{7}(\beta)\cos(\beta)\right)\left(5i\sin(\beta)\cos^{7}(\beta)-12\sin^{2}(\beta)\cos^{6}(\beta)\right)
  -33i\sin^{3}(\beta)\cos^{5}(\beta) + 40\sin^{4}(\beta)\cos^{4}(\beta) + 33i\sin^{5}(\beta)\cos^{3}(\beta) - 12\sin^{6}(\beta)\cos^{2}(\beta) - 5i\sin^{7}(\beta)\cos(\beta) + e^{-8i\gamma}\left(i\cos^{3}(\beta)\sin^{5}(\beta)\cos^{4}(\beta)\cos^{2}(\beta)\right) + 2\sin^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta) + 3\sin^{5}(\beta)\cos^{3}(\beta) - 12\sin^{6}(\beta)\cos^{2}(\beta) - 5i\sin^{7}(\beta)\cos(\beta) + e^{-8i\gamma}\left(i\cos^{3}(\beta)\sin^{5}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{
+e^{-4i\gamma}\left(-6\sin^{2}(\beta)\cos^{6}(\beta)-12i\sin^{3}(\beta)\cos^{5}(\beta)+20\sin^{4}(\beta)\cos^{4}(\beta)+12i\sin^{5}(\beta)\cos^{3}(\beta)-6\sin^{6}(\beta)\cos^{2}(\beta)\right)+e^{8i\gamma}\left(i\cos^{7}(\beta)\cos^{7}(\beta)\cos^{8}(\beta)+2\sin^{4}(\beta)\cos^{8}(\beta)+12i\sin^{5}(\beta)\cos^{3}(\beta)+6\sin^{6}(\beta)\cos^{2}(\beta)\right)+e^{8i\gamma}\left(i\cos^{7}(\beta)\cos^{8}(\beta)+2\sin^{4}(\beta)\cos^{8}(\beta)+12i\sin^{5}(\beta)\cos^{8}(\beta)+6\sin^{6}(\beta)\cos^{8}(\beta)\right)+e^{8i\gamma}\left(i\cos^{7}(\beta)\cos^{8}(\beta)+2\sin^{4}(\beta)\cos^{8}(\beta)+12i\sin^{5}(\beta)\cos^{8}(\beta)+6\sin^{6}(\beta)\cos^{8}(\beta)\right)+e^{8i\gamma}\left(i\cos^{7}(\beta)\cos^{8}(\beta)+3\sin^{8}(\beta)\cos^{8}(\beta)+3\sin^{8}(\beta)\cos^{8}(\beta)+6\sin^{8}(\beta)\cos^{8}(\beta)\right)+e^{8i\gamma}\left(i\cos^{7}(\beta)\cos^{8}(\beta)+3\sin^{8}(\beta)\cos^{8}(\beta)+3\sin^{8}(\beta)\cos^{8}(\beta)+3\sin^{8}(\beta)\cos^{8}(\beta)\right)+e^{8i\gamma}\left(i\cos^{8}(\beta)\cos^{8}(\beta)+3\sin^{8}(\beta)\cos^{8}(\beta)+3\sin^{8}(\beta)\cos^{8}(\beta)+3\sin^{8}(\beta)\cos^{8}(\beta)+3\sin^{8}(\beta)\cos^{8}(\beta)+3\sin^{8}(\beta)\cos^{8}(\beta)+3\sin^{8}(\beta)\cos^{8}(\beta)+3\sin^{8}(\beta)\cos^{8}(\beta)+3\sin^{8}(\beta)\cos^{8}(\beta)+3\sin^{8}(\beta)\cos^{8}(\beta)+3\sin^{8}(\beta)\cos^{8}(\beta)+3\sin^{8}(\beta)\cos^{8}(\beta)+3\sin^{8}(\beta)\cos^{8}(\beta)+3\sin^{8}(\beta)\cos^{8}(\beta)+3\sin^{8}(\beta)\cos^{8}(\beta)+3\sin^{8}(\beta)\cos^{8}(\beta)+3\sin^{8}(\beta)\cos^{8}(\beta)+3\sin^{8}(\beta)\cos^{8}(\beta)+3\sin^{8}(\beta)\cos^{8}(\beta)+3\sin^{8}(\beta)\cos^{8}(\beta)+3\sin^{8}(\beta)\cos^{8}(\beta)+3\sin^{8}(\beta)\cos^{8}(\beta)+3\sin^{8}(\beta)\cos^{8}(\beta)+3\sin^{8}(\beta)\cos^{8}(\beta)+3\sin^{8}(\beta)\cos^{8}(\beta)+3\sin^{8}(\beta)\cos^{8}(\beta)+3\sin^{8}(\beta)\cos^{8}(\beta)+3\sin^{8}(\beta)\cos^{8}(\beta)+3\sin^{8}(\beta)\cos^{8}(\beta)+3\sin^{8}(\beta)\cos^{8}(\beta)+3\sin^{8}(\beta)\cos^{8}(\beta)+3\sin^{8}(\beta)\cos^{8}(\beta)+3\sin^{8}(\beta)\cos^{8}(\beta)+3\sin^{8}(\beta)\cos^{8}(\beta)+3\sin^{8}(\beta)\cos^{8}(\beta)+3\sin^{8}(\beta)\cos^{8}(\beta)+3\sin^{8}(\beta)\cos^{8}(\beta)+3\sin^{8}(\beta)\cos^{8}(\beta)+3\sin^{8}(\beta)\cos^{8}(\beta)+3\sin^{8}(\beta)\cos^{8}(\beta)+3\sin^{8}(\beta)\cos^{8}(\beta)+3\sin^{8}(\beta)\cos^{8}(\beta)+3\sin^{8}(\beta)\cos^{8}(\beta)+3\sin^{8}(\beta)\cos^{8}(\beta)+3\sin^{8}(\beta)\cos^{8}(\beta)+3\sin^{8}(\beta)\cos^{8}(\beta)+3\sin^{8}(\beta)\cos^{8}(\beta)+3\sin^{8}(\beta)\cos^{8}(\beta)+3\sin^{8}(\beta)\cos^{8}(\beta)+3\sin^{8}(\beta)\cos^{8}(\beta)+3\sin^{8}(\beta)\cos^{8}(\beta)+3\sin^{8}(\beta)\cos^{8}(\beta)+3\sin^{8}(\beta)\cos^{8}(\beta)+3\sin^{8}(\beta)\cos^{8}(\beta)+3\sin^{8}(\beta)\cos^{8}(\beta)+3\sin^{8}(\beta)\cos^{8}(\beta)+3\sin^{8}(\beta)\cos^{8}(\beta)+3\sin^{8}(\beta)\cos^{8}(\beta)+3\sin^{8}(\beta)\cos^{8}(\beta)+3\sin^{8}(\beta)\cos^{8}(\beta)+3\sin^{8}(\beta)\cos^{8}(\beta)+3\sin^{8}(\beta)\cos^{8}(\beta)+3\sin^{8}(\beta)\cos^{8}(\beta)+3\sin^{8}(\beta)\cos^{8}(\beta)+3\sin^{8}(\beta)\cos^{8}(\beta)+3\sin^{8}(\beta)\cos^{8}(\beta)+3\sin^{8}(\beta)\cos^{8}(\beta)+3\sin^{8}(\beta)\cos^{8}(\beta)+3\sin^{8}(\beta)\cos^{8}(\beta)+3\sin^{8}(\beta)\cos^{8}(\beta)+3\sin^{8}(\beta)\cos^{8}(\beta)+3\sin^{8}(\beta)\cos^{8}(\beta)+3\sin^{8}(\beta)\cos^{8}(\beta)+3\sin^{8}(\beta)\cos^{8}(\beta)+3\sin^{8}(\beta)\cos^{8}(\beta)+3\sin^{8}(\beta)\cos^{8}(\beta)+3\sin^{8}(\beta)\cos^{8}(\beta)+3\sin^{8}(\beta)\cos^{8}(\beta)+3\sin^{8}(\beta)\cos^{8}(\beta)+3\sin^{8}(\beta)+3\sin^{8}(\beta)\cos^{8}(\beta)+3\sin^{8}(\beta)\cos^{8}(\beta)+3\sin^{8}(\beta)\cos^{8}(\beta)+3\sin^{8}(\beta)\cos^
+e^{4i\gamma}(\cos^8(\beta)+2i\sin(\beta)\cos^7(\beta)-10\sin^2(\beta)\cos^6(\beta)-10i\sin^3(\beta)\cos^5(\beta)+10\sin^4(\beta)\cos^4(\beta)+10i\sin^5(\beta)\cos^3(\beta)-10\sin^6(\beta)\cos^6(\beta)
+e^{-4i\gamma}\left(2i\sin(\beta)\cos^{7}(\beta)-6i\sin^{3}(\beta)\cos^{5}(\beta)+6i\sin^{5}(\beta)\cos^{3}(\beta)-2i\sin^{7}(\beta)\cos(\beta)\right)\left(4i\sin(\beta)\cos^{7}(\beta)-16\sin^{2}(\beta)\cos^{6}(\beta)+6i\sin^{5}(\beta)\cos^{3}(\beta)-2i\sin^{7}(\beta)\cos(\beta)\right)
-34 i \sin ^3(\beta) \cos ^5(\beta)+32 \sin ^4(\beta) \cos ^4(\beta)+34 i \sin ^5(\beta) \cos ^3(\beta)-16 \sin ^6(\beta) \cos ^2(\beta)-4 i \sin ^7(\beta) \cos (\beta)+e^{-8 i \gamma} \left(i \cos ^3(\beta) \sin ^5(\beta) \cos ^4(\beta)+32 \sin ^4(\beta) \cos ^4(\beta)+34 i \sin ^5(\beta) \cos ^2(\beta)+34 i \sin ^5(\beta) \cos ^2(\beta)+34 i \sin ^5(\beta) \cos ^2(\beta) \cos 
  +e^{8i\gamma}\left(i\cos^{3}(\beta)\sin^{5}(\beta)-i\cos^{5}(\beta)\sin^{3}(\beta)\right)+e^{4i\gamma}\left(-4\sin^{2}(\beta)\cos^{6}(\beta)-12i\sin^{3}(\beta)\cos^{5}(\beta)+24\sin^{4}(\beta)\cos^{4}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)+12i\sin^{5}(\beta)+12i\sin^{5}(\beta)+12i\sin^{5}(\beta)+12i\sin^{5}(\beta)+12i\sin^{5}(\beta)+12i\sin^{5}(\beta)+12i\sin^
  +e^{-4i\gamma}\left(\cos^{8}(\beta)+4i\sin(\beta)\cos^{7}(\beta)-8\sin^{2}(\beta)\cos^{6}(\beta)-8i\sin^{3}(\beta)\cos^{5}(\beta)+14\sin^{4}(\beta)\cos^{4}(\beta)+8i\sin^{5}(\beta)\cos^{3}(\beta)-8\sin^{6}(\beta)\cos^{6}(\beta)+4i\sin^{4}(\beta)\cos^{5}(\beta)+4i\sin^{4}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\sin^{5}(\beta)+8i\sin^{5}(\beta)\sin^{5}(\beta)+8i\sin^{5}(\beta)\sin^{5}(\beta)+8i\sin^{5}(\beta)\sin^{5}(\beta)+8i\sin^{5}(\beta)\sin^{5}(\beta)+8i\sin^{5}(\beta)\sin^{5}(\beta)+8i\sin^{5}(\beta)\sin^{5}(\beta)+8i\sin^{5}(\beta)+8i\sin^{5}(\beta)+8i\sin^{5}(\beta)+8i\sin^{5}(\beta)+8i\sin^{5}(\beta)+8i\sin^{5}(\beta)+8i\sin^{5}(\beta)+8i\sin^{5}(\beta)+8i\sin^{5}(\beta)+8i\sin^{5}(\beta)+8i\sin^{5}(\beta)+8i\sin^{5}(\beta
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 $+e^{4i\gamma}(8i\cos^3(\beta)\sin^5(\beta)-8i\cos^5(\beta)\sin^3(\beta))(4i\sin(\beta)\cos^7(\beta)-16\sin^2(\beta)\cos^6(\beta)-34i\sin^3(\beta)\cos^5(\beta)+32\sin^4(\beta)\cos^4(\beta)$

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((2i\cos^3(\beta)\sin^5(\beta) - 2i\cos^5(\beta)\sin^3(\beta))(\cos^8(\beta) + 8i\sin(\beta)\cos^7(\beta) - 20\sin^2(\beta)\cos^6(\beta))
    -24i\sin^{3}(\beta)\cos^{5}(\beta) + 2e^{-8i\gamma}\sin^{4}(\beta)\cos^{4}(\beta) + 2e^{8i\gamma}\sin^{4}(\beta)\cos^{4}(\beta) + 34\sin^{4}(\beta)\cos^{4}(\beta)
+24i\sin^{5}(\beta)\cos^{3}(\beta) - 20\sin^{6}(\beta)\cos^{2}(\beta) - 8i\sin^{7}(\beta)\cos(\beta) + \sin^{8}(\beta)
  +e^{-4i\gamma}\left(-4\sin^2(\beta)\cos^6(\beta)-16i\sin^3(\beta)\cos^5(\beta)+16\sin^4(\beta)\cos^4(\beta)+16i\sin^5(\beta)\cos^3(\beta)-4\sin^6(\beta)\cos^2(\beta)\right)
+e^{4i\gamma}\left(-4\sin^2(\beta)\cos^6(\beta)-16i\sin^3(\beta)\cos^5(\beta)+16\sin^4(\beta)\cos^4(\beta)+16i\sin^5(\beta)\cos^3(\beta)-4\sin^6(\beta)\cos^2(\beta)\right)
+(-6\sin^2(\beta)\cos^6(\beta)+20\sin^4(\beta)\cos^4(\beta)-6\sin^6(\beta)\cos^2(\beta))(\cos^8(\beta)+6i\sin(\beta)\cos^7(\beta)-16\sin^2(\beta)\cos^6(\beta)
  -32i\sin^{3}(\beta)\cos^{5}(\beta) + 30\sin^{4}(\beta)\cos^{4}(\beta) + 32i\sin^{5}(\beta)\cos^{3}(\beta) - 16\sin^{6}(\beta)\cos^{2}(\beta) - 6i\sin^{7}(\beta)\cos(\beta)
+\sin^{8}(\beta) + e^{-8i\gamma} \left(i\cos^{3}(\beta)\sin^{5}(\beta) - i\cos^{5}(\beta)\sin^{3}(\beta)\right) + e^{8i\gamma} \left(i\cos^{3}(\beta)\sin^{5}(\beta) - i\cos^{5}(\beta)\sin^{3}(\beta)\right)
+e^{-4i\gamma} \left( i\sin(\beta)\cos^{7}(\beta) - 6\sin^{2}(\beta)\cos^{6}(\beta) - 11i\sin^{3}(\beta)\cos^{5}(\beta) + 20\sin^{4}(\beta)\cos^{4}(\beta) + 11i\sin^{5}(\beta)\cos^{3}(\beta) - 6\sin^{6}(\beta)\cos^{2}(\beta) + 20\sin^{4}(\beta)\cos^{4}(\beta) + 11i\sin^{5}(\beta)\cos^{3}(\beta) - 6\sin^{6}(\beta)\cos^{2}(\beta) + 20\sin^{4}(\beta)\cos^{4}(\beta) + 11i\sin^{5}(\beta)\cos^{3}(\beta) - 6\sin^{6}(\beta)\cos^{2}(\beta) + 20\sin^{4}(\beta)\cos^{4}(\beta) + 11i\sin^{5}(\beta)\cos^{5}(\beta) + 20\sin^{4}(\beta)\cos^{5}(\beta) 
  +e^{4i\gamma} \left( i\sin(\beta)\cos^{7}(\beta) - 6\sin^{2}(\beta)\cos^{6}(\beta) - 11i\sin^{3}(\beta)\cos^{5}(\beta) + 20\sin^{4}(\beta)\cos^{4}(\beta) + 11i\sin^{5}(\beta)\cos^{3}(\beta) - 6\sin^{6}(\beta)\cos^{2}(\beta) - 11i\sin^{3}(\beta)\cos^{5}(\beta) + 20\sin^{4}(\beta)\cos^{4}(\beta) + 11i\sin^{5}(\beta)\cos^{3}(\beta) - 6\sin^{6}(\beta)\cos^{2}(\beta) + 11i\sin^{5}(\beta)\cos^{5}(\beta) + 11i\sin^{5}(\beta) + 11i\sin^{5}(\beta) + 11i\sin^{5}(\beta) + 11i\sin^{5}(\beta) + 11i\sin^{5}(\beta
  + (i\sin(\beta)\cos^7(\beta) - 7i\sin^3(\beta)\cos^5(\beta) + 7i\sin^5(\beta)\cos^3(\beta) - i\sin^7(\beta)\cos(\beta))(\cos^8(\beta) + 6i\sin(\beta)\cos^7(\beta)
  -16\sin^2(\beta)\cos^6(\beta) - 26i\sin^3(\beta)\cos^5(\beta) + 2e^{-8i\gamma}\sin^4(\beta)\cos^4(\beta) + 2e^{8i\gamma}\sin^4(\beta)\cos^4(\beta)
  +42\sin^4(\beta)\cos^4(\beta) + 26i\sin^5(\beta)\cos^3(\beta) - 16\sin^6(\beta)\cos^2(\beta) - 6i\sin^7(\beta)\cos(\beta) + \sin^8(\beta)
  +e^{-4i\gamma}\left(i\sin(\beta)\cos^{7}(\beta)-6\sin^{2}(\beta)\cos^{6}(\beta)-15i\sin^{3}(\beta)\cos^{5}(\beta)+12\sin^{4}(\beta)\cos^{4}(\beta)+15i\sin^{5}(\beta)\cos^{3}(\beta)-6\sin^{6}(\beta)\cos^{2}(\beta)+12\sin^{4}(\beta)\cos^{4}(\beta)+15i\sin^{5}(\beta)\cos^{3}(\beta)+12\sin^{4}(\beta)\cos^{4}(\beta)+15i\sin^{5}(\beta)\cos^{3}(\beta)+12\sin^{4}(\beta)\cos^{4}(\beta)+15i\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{4}(\beta)\cos^{4}(\beta)+15i\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{4}(\beta)\cos^{5}(\beta)+12\sin^{4}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)+12\sin^{5}(\beta)+12\sin^{5}(\beta)+12\sin^{5}(\beta)+12\sin^{5}(\beta)+12\sin
+e^{4i\gamma}\left(i\sin(\beta)\cos^{7}(\beta)-6\sin^{2}(\beta)\cos^{6}(\beta)-15i\sin^{3}(\beta)\cos^{5}(\beta)+12\sin^{4}(\beta)\cos^{4}(\beta)+15i\sin^{5}(\beta)\cos^{3}(\beta)-6\sin^{6}(\beta)\cos^{2}(\beta)-15i\sin^{3}(\beta)\cos^{5}(\beta)+12\sin^{4}(\beta)\cos^{4}(\beta)+15i\sin^{5}(\beta)\cos^{3}(\beta)-6\sin^{6}(\beta)\cos^{2}(\beta)-15i\sin^{4}(\beta)\cos^{5}(\beta)+12\sin^{4}(\beta)\cos^{4}(\beta)+15i\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{4}(\beta)\cos^{5}(\beta)+12\sin^{4}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin
+(\cos^{8}(\beta)-6\sin^{2}(\beta)\cos^{6}(\beta)+18\sin^{4}(\beta)\cos^{4}(\beta)-6\sin^{6}(\beta)\cos^{2}(\beta)+\sin^{8}(\beta))(\cos^{8}(\beta)+4i\sin(\beta)\cos^{7}(\beta)-12\sin^{2}(\beta)\cos^{6}(\beta)
    -34i\sin^{3}(\beta)\cos^{5}(\beta) + 38\sin^{4}(\beta)\cos^{4}(\beta) + 34i\sin^{5}(\beta)\cos^{3}(\beta) - 12\sin^{6}(\beta)\cos^{2}(\beta) - 4i\sin^{7}(\beta)\cos(\beta) + \sin^{8}(\beta) + e^{-8i\gamma}\left(i\cos^{3}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{3}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(
+e^{8i\gamma}(i\cos^3(\beta)\sin^5(\beta)-i\cos^5(\beta)\sin^3(\beta))+e^{-4i\gamma}(2i\sin(\beta)\cos^7(\beta)-8\sin^2(\beta)\cos^6(\beta)-10i\sin^3(\beta)\cos^5(\beta)+16\sin^4(\beta)\cos^2(\beta)\sin^3(\beta)\sin^3(\beta)\sin^3(\beta)\cos^2(\beta)\sin^3(\beta)\cos^2(\beta)\sin^3(\beta)\cos^2(\beta)\sin^3(\beta)\cos^2(\beta)\sin^3(\beta)\cos^2(\beta)\sin^3(\beta)\cos^2(\beta)\sin^3(\beta)\cos^2(\beta)\cos^2(\beta)\sin^3(\beta)\cos^2(\beta)\cos^2(\beta)\sin^3(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^
+e^{4i\gamma} \left(2i\sin(\beta)\cos^{7}(\beta)-8\sin^{2}(\beta)\cos^{6}(\beta)-10i\sin^{3}(\beta)\cos^{5}(\beta)+16\sin^{4}(\beta)\cos^{4}(\beta)+10i\sin^{5}(\beta)\cos^{3}(\beta)-8\sin^{6}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)+10i\sin^{2}(\beta)+10i\sin^{2}(\beta)+10i\sin^{2}(\beta)+10i\sin^{2}(\beta)+10i
  +(i\sin(\beta)\cos^{7}(\beta)-7i\sin^{3}(\beta)\cos^{5}(\beta)+7i\sin^{5}(\beta)\cos^{3}(\beta)-i\sin^{7}(\beta)\cos(\beta))(\cos^{8}(\beta)+4i\sin(\beta)\cos^{7}(\beta)-15\sin^{2}(\beta)\cos^{6}(\beta)
  -28i\sin^{3}(\beta)\cos^{5}(\beta) + 2e^{8i\gamma}\sin^{4}(\beta)\cos^{4}(\beta) + 44\sin^{4}(\beta)\cos^{4}(\beta) + 28i\sin^{5}(\beta)\cos^{3}(\beta) - 15\sin^{6}(\beta)\cos^{2}(\beta) - 4i\sin^{7}(\beta)\cos(\beta)
+\sin^{8}(\beta) + e^{-8i\gamma} \left(-\sin^{2}(\beta)\cos^{6}(\beta) - \sin^{6}(\beta)\cos^{2}(\beta)\right) + e^{4i\gamma} \left(2i\sin(\beta)\cos^{7}(\beta) - 7\sin^{2}(\beta)\cos^{6}(\beta) - 14i\sin^{3}(\beta)\cos^{5}(\beta) + 10\sin^{2}(\beta)\cos^{6}(\beta)\right) + e^{-8i\gamma} \left(-\sin^{2}(\beta)\cos^{6}(\beta) - \sin^{6}(\beta)\cos^{2}(\beta)\right) + e^{4i\gamma} \left(2i\sin(\beta)\cos^{7}(\beta) - 7\sin^{2}(\beta)\cos^{6}(\beta) - 14i\sin^{3}(\beta)\cos^{5}(\beta)\right) + e^{-8i\gamma} \left(-\sin^{2}(\beta)\cos^{6}(\beta) - \sin^{6}(\beta)\cos^{2}(\beta)\right) + e^{4i\gamma} \left(2i\sin(\beta)\cos^{7}(\beta) - 7\sin^{2}(\beta)\cos^{6}(\beta) - 14i\sin^{3}(\beta)\cos^{5}(\beta)\right) + e^{-4i\gamma} \left(2i\sin(\beta)\cos^{7}(\beta) - 7\sin^{2}(\beta)\cos^{6}(\beta)\right) + e^{-4i\gamma} \left(2i\sin(\beta)\cos^{7}(\beta) - 7\sin^{2}(\beta)\cos^{6}(\beta)\right) + e^{-4i\gamma} \left(2i\sin(\beta)\cos^{7}(\beta) - 7\sin^{2}(\beta)\cos^{7}(\beta)\right) + e^{-4i\gamma} \left(2i\sin(\beta)\cos^{7}(\beta) - 7\sin^{2}(\beta)\cos^{7}(\beta)\right) + e^{-4i\gamma} \left(2i\sin(\beta)\cos^{7}(\beta) - 7\sin^{7}(\beta)\cos^{7}(\beta)\right) + e^{-4i\gamma} \left(2i\sin(\beta)\cos^{7}(\beta) - 7\sin^{7}(\beta)\cos^{7}(\beta)\right) + e^{-4i\gamma} \left(2i\sin(\beta)\cos^{7}(\beta) - 7\sin^{7}(\beta)\cos^{7}(\beta)\right) + e^{-4i\gamma} \left(2i\sin(\beta)\cos^{7}(\beta) - 3\sin^{7}(\beta)\cos^{7}(\beta)\right) + e^{-4i\gamma} \left(2i\sin(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\right) + e^{-4i\gamma} \left(2i\sin(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\right) + e^{-4i\gamma} \left(2i\sin(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\right) + e^{-4i\gamma} \left(2i\sin(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\right) + e^{-4i\gamma} \left(2i\sin(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{
  +e^{-4i\gamma}(2i\sin(\beta)\cos^{7}(\beta)-5\sin^{2}(\beta)\cos^{6}(\beta)-14i\sin^{3}(\beta)\cos^{5}(\beta)+14\sin^{4}(\beta)\cos^{4}(\beta)+14i\sin^{5}(\beta)\cos^{3}(\beta)-5\sin^{6}(\beta)\cos^{2}(\beta)
  +(i\sin(\beta)\cos^{7}(\beta)-7i\sin^{3}(\beta)\cos^{5}(\beta)+7i\sin^{5}(\beta)\cos^{3}(\beta)-i\sin^{7}(\beta)\cos(\beta))(\cos^{8}(\beta)+4i\sin(\beta)\cos^{7}(\beta)-15\sin^{2}(\beta)\cos^{6}(\beta)
  -28i\sin^{3}(\beta)\cos^{5}(\beta) + 2e^{-8i\gamma}\sin^{4}(\beta)\cos^{4}(\beta) + 44\sin^{4}(\beta)\cos^{4}(\beta) + 28i\sin^{5}(\beta)\cos^{3}(\beta) - 15\sin^{6}(\beta)\cos^{2}(\beta) - 4i\sin^{7}(\beta)\cos(\beta)
+\sin^{8}(\beta)+e^{8i\gamma}(-\sin^{2}(\beta)\cos^{6}(\beta)-\sin^{6}(\beta)\cos^{2}(\beta))+e^{-4i\gamma}(2i\sin(\beta)\cos^{7}(\beta)-7\sin^{2}(\beta)\cos^{6}(\beta)-14i\sin^{3}(\beta)\cos^{5}(\beta)+10\sin^{2}(\beta)\cos^{6}(\beta)
+e^{4i\gamma} \left(2i\sin(\beta)\cos^{7}(\beta)-5\sin^{2}(\beta)\cos^{6}(\beta)-14i\sin^{3}(\beta)\cos^{5}(\beta)+14\sin^{4}(\beta)\cos^{4}(\beta)+14i\sin^{5}(\beta)\cos^{3}(\beta)-5\sin^{6}(\beta)\cos^{2}(\beta)-14i\sin^{3}(\beta)\cos^{5}(\beta)+14\sin^{4}(\beta)\cos^{4}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{4}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)+14\sin^{5}(\beta)+14\sin^{5}(\beta)+14\sin^{5}
+(4i\cos^3(\beta)\sin^5(\beta)-4i\cos^5(\beta)\sin^3(\beta))(\cos^8(\beta)+4i\sin(\beta)\cos^7(\beta)-18\sin^2(\beta)\cos^6(\beta)-28i\sin^3(\beta)\cos^5(\beta)+38\sin^4(\beta)\cos^2(\beta)\sin^3(\beta)\sin^3(\beta)\cos^3(\beta)\sin^3(\beta)\cos^3(\beta)\sin^3(\beta)\cos^3(\beta)\sin^3(\beta)\cos^3(\beta)\sin^3(\beta)\cos^3(\beta)\sin^3(\beta)\cos^3(\beta)\sin^3(\beta)\cos^3(\beta)\sin^3(\beta)\cos^3(\beta)\sin^3(\beta)\cos^3(\beta)\sin^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^
  +28i\sin^{5}(\beta)\cos^{3}(\beta)-18\sin^{6}(\beta)\cos^{2}(\beta)-4i\sin^{7}(\beta)\cos(\beta)+\sin^{8}(\beta)+e^{-8i\gamma}\left(-\sin^{2}(\beta)\cos^{6}(\beta)-\sin^{6}(\beta)\cos^{2}(\beta)\right)
+e^{8i\gamma}\left(-\sin^2(\beta)\cos^6(\beta)-\sin^6(\beta)\cos^2(\beta)\right)+e^{-4i\gamma}\left(2i\sin(\beta)\cos^7(\beta)-4\sin^2(\beta)\cos^6(\beta)-14i\sin^3(\beta)\cos^5(\beta)+16\sin^4(\beta)\cos^2(\beta)\right)
+e^{4i\gamma}(2i\sin(\beta)\cos^{7}(\beta)-4\sin^{2}(\beta)\cos^{6}(\beta)-14i\sin^{3}(\beta)\cos^{5}(\beta)+16\sin^{4}(\beta)\cos^{4}(\beta)+14i\sin^{5}(\beta)\cos^{3}(\beta)-4\sin^{6}(\beta)\cos^{2}(\beta)
  +(i\sin(\beta)\cos^{7}(\beta)-7i\sin^{3}(\beta)\cos^{5}(\beta)+7i\sin^{5}(\beta)\cos^{3}(\beta)-i\sin^{7}(\beta)\cos(\beta))(\cos^{8}(\beta)+2i\sin(\beta)\cos^{7}(\beta)-14\sin^{2}(\beta)\cos^{6}(\beta)
  -30i\sin^{3}(\beta)\cos^{5}(\beta) + 46\sin^{4}(\beta)\cos^{4}(\beta) + 30i\sin^{5}(\beta)\cos^{3}(\beta) - 14\sin^{6}(\beta)\cos^{2}(\beta) - 2i\sin^{7}(\beta)\cos(\beta) + \sin^{8}(\beta) + e^{-8i\gamma}\left(-\sin^{2}(\beta)\cos^{2}(\beta) + 30i\sin^{2}(\beta)\cos^{2}(\beta)\right) + 30i\sin^{3}(\beta)\cos^{2}(\beta) + 30i\sin^{3}(\beta)\cos^{3}(\beta) + 30i\sin^{3}(\beta) + 30i\sin^{3}(\beta)
+e^{8i\gamma}\left(-\sin^2(\beta)\cos^6(\beta)-\sin^6(\beta)\cos^2(\beta)\right)+e^{-4i\gamma}\left(3i\sin(\beta)\cos^7(\beta)-6\sin^2(\beta)\cos^6(\beta)-13i\sin^3(\beta)\cos^5(\beta)+12\sin^4(\beta)\cos^2(\beta)\right)
  +e^{4i\gamma} \left(3i\sin(\beta)\cos^{7}(\beta)-6\sin^{2}(\beta)\cos^{6}(\beta)-13i\sin^{3}(\beta)\cos^{5}(\beta)+12\sin^{4}(\beta)\cos^{4}(\beta)+13i\sin^{5}(\beta)\cos^{3}(\beta)-6\sin^{6}(\beta)\cos^{2}(\beta)-13i\sin^{3}(\beta)\cos^{5}(\beta)+12\sin^{4}(\beta)\cos^{4}(\beta)+13i\sin^{5}(\beta)\cos^{3}(\beta)-6\sin^{6}(\beta)\cos^{2}(\beta)-13i\sin^{3}(\beta)\cos^{5}(\beta)+12\sin^{4}(\beta)\cos^{4}(\beta)+13i\sin^{5}(\beta)\cos^{3}(\beta)-6\sin^{6}(\beta)\cos^{2}(\beta)-13i\sin^{3}(\beta)\cos^{5}(\beta)+12\sin^{4}(\beta)\cos^{4}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{4}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)\cos^{5}(\beta)+13i\sin^{5}(\beta)+13i\sin^{5}(\beta)+13i\sin^{5}(\beta)+13i\sin^{5}(\beta)+13i\sin^{5}(\beta)+13i\sin^{5}(\beta)+13i\sin^{5}(\beta)+13i\sin^{5}(\beta)+13i\sin^{5}(\beta)+13i\sin^{5}(\beta)+13i\sin^{5}(\beta)
+e^{-8i\gamma}(i\cos^3(\beta)\sin^5(\beta)-i\cos^5(\beta)\sin^3(\beta))(-20\sin^2(\beta)\cos^6(\beta)-32i\sin^3(\beta)\cos^5(\beta)+2e^{8i\gamma}\sin^4(\beta)\cos^4(\beta)+36\sin^4(\beta)\cos^4(\beta)
+32i\sin^{5}(\beta)\cos^{3}(\beta)-20\sin^{6}(\beta)\cos^{2}(\beta)+e^{4i\gamma}\left(-16i\sin^{3}(\beta)\cos^{5}(\beta)+24\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{5}(\beta)\cos^{3}(\beta)\right)+e^{-4i\gamma}\left(8i\sin^{5}(\beta)\cos^{5}(\beta)+24\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{5}(\beta)\cos^{3}(\beta)\right)
  +e^{-8i\gamma}\left(\cos^8(\beta)+\sin^8(\beta)\right)
+e^{8i\gamma}\left(i\cos^{3}(\beta)\sin^{5}(\beta)-i\cos^{5}(\beta)\sin^{3}(\beta)\right)\left(-20\sin^{2}(\beta)\cos^{6}(\beta)-32i\sin^{3}(\beta)\cos^{5}(\beta)+2e^{-8i\gamma}\sin^{4}(\beta)\cos^{4}(\beta)+36\sin^{4}(\beta)\cos^{4}(\beta)+36\sin^{4}(\beta)\cos^{4}(\beta)+36\sin^{4}(\beta)\cos^{4}(\beta)+36\sin^{4}(\beta)\cos^{4}(\beta)+36\sin^{4}(\beta)\cos^{4}(\beta)+36\sin^{4}(\beta)\cos^{4}(\beta)+36\sin^{4}(\beta)\cos^{4}(\beta)+36\sin^{4}(\beta)\cos^{4}(\beta)+36\sin^{4}(\beta)\cos^{4}(\beta)+36\sin^{4}(\beta)\cos^{4}(\beta)+36\sin^{4}(\beta)\cos^{4}(\beta)+36\sin^{4}(\beta)\cos^{4}(\beta)+36\sin^{4}(\beta)\cos^{4}(\beta)+36\sin^{4}(\beta)\cos^{4}(\beta)+36\sin^{4}(\beta)\cos^{4}(\beta)+36\sin^{4}(\beta)\cos^{4}(\beta)+36\sin^{4}(\beta)\cos^{4}(\beta)+36\sin^{4}(\beta)\cos^{4}(\beta)+36\sin^{4}(\beta)\cos^{4}(\beta)+36\sin^{4}(\beta)\cos^{4}(\beta)+36\sin^{4}(\beta)\cos^{4}(\beta)+36\sin^{4}(\beta)\cos^{4}(\beta)+36\sin^{4}(\beta)\cos^{4}(\beta)+36\sin^{4}(\beta)\cos^{4}(\beta)+36\sin^{4}(\beta)\cos^{4}(\beta)+36\sin^{4}(\beta)\cos^{4}(\beta)+36\sin^{4}(\beta)\cos^{4}(\beta)+36\sin^{4}(\beta)\cos^{4}(\beta)+36\sin^{4}(\beta)\cos^{4}(\beta)+36\sin^{4}(\beta)\cos^{4}(\beta)+36\sin^{4}(\beta)\cos^{4}(\beta)+36\sin^{4}(\beta)\cos^{4}(\beta)+36\sin^{4}(\beta)\cos^{4}(\beta)+36\sin^{4}(\beta)\cos^{4}(\beta)+36\sin^{4}(\beta)\cos^{4}(\beta)+36\sin^{4}(\beta)\cos^{4}(\beta)+36\sin^{4}(\beta)\cos^{4}(\beta)+36\sin^{4}(\beta)\cos^{4}(\beta)+36\sin^{4}(\beta)\cos^{4}(\beta)+36\sin^{4}(\beta)\cos^{4}(\beta)+36\sin^{4}(\beta)\cos^{4}(\beta)+36\sin^{4}(\beta)\cos^{4}(\beta)+36\sin^{4}(\beta)\cos^{4}(\beta)+36\sin^{4}(\beta)\cos^{4}(\beta)+36\sin^{4}(\beta)\cos^{4}(\beta)+36\sin^{4}(\beta)\cos^{4}(\beta)+36\sin^{4}(\beta)\cos^{4}(\beta)+36\sin^{4}(\beta)\cos^{4}(\beta)+36\sin^{4}(\beta)\cos^{4}(\beta)+36\sin^{4}(\beta)\cos^{4}(\beta)+36\sin^{4}(\beta)\cos^{4}(\beta)+36\sin^{4}(\beta)\cos^{4}(\beta)+36\sin^{4}(\beta)\cos^{4}(\beta)+36\sin^{4}(\beta)\cos^{4}(\beta)+36\sin^{4}(\beta)\cos^{4}(\beta)+36\sin^{4}(\beta)\cos^{4}(\beta)+36\sin^{4}(\beta)\cos^{4}(\beta)+36\sin^{4}(\beta)\cos^{4}(\beta)+36\sin^{4}(\beta)\cos^{4}(\beta)+36\sin^{4}(\beta)\cos^{4}(\beta)+36\sin^{4}(\beta)\cos^{4}(\beta)+36\sin^{4}(\beta)\cos^{4}(\beta)+36\sin^{4}(\beta)\cos^{4}(\beta)+36\sin^{4}(\beta)\cos^{4}(\beta)+36\sin^{4}(\beta)\cos^{4}(\beta)+36\sin^{4}(\beta)\cos^{4}(\beta)+36\sin^{4}(\beta)\cos^{4}(\beta)+36\sin^{4}(\beta)\cos^{4}(\beta)+36\sin^{4}(\beta)\cos^{4}(\beta)+36\sin^{4}(\beta)\cos^{4}(\beta)+36\sin^{4}(\beta)\cos^{4}(\beta)+36\sin^{4}(\beta)\cos^{4}(\beta)+36\sin^{4}(\beta)\cos^{4}(\beta)+36\sin^{4}(\beta)\cos^{4}(\beta)+36\sin^{4}(\beta)\cos^{4}(\beta)+36\sin^{4}(\beta)\cos^{4}(\beta)+36\sin^{4}(\beta)\cos^{4}(\beta)+36\sin^{4}(\beta)\cos^{4}(\beta)+36\sin^{4}(\beta)\cos^{4}(\beta)+36\sin^{4}(\beta)\cos^{4}(\beta)+36\sin^{4}(\beta)\cos^{4}(\beta)+36\sin^{4}(\beta)\cos^{4}(\beta)+36\sin^{4}(\beta)\cos^{4}(\beta)+36\sin^{4}(\beta)\cos^{4}(\beta)+36\sin^{4}(\beta)\cos^{4}(\beta)+36\sin^{4}(\beta)\cos^{4}(\beta)+36\sin^{4}(\beta)\cos^{4}(\beta)+36\sin^{4}(\beta)\cos^{4}(\beta)+36\sin^{4}(\beta)\cos^{4}(\beta)+36\sin^{4}(\beta)\cos^{4}(\beta)+36\sin^{4}(\beta)\cos^{4}(\beta)+36\sin^{4}(\beta)\cos^{4}(\beta)+36\sin^{4}(\beta)\cos^{4}(\beta)+36\sin^{4}(\beta)\cos^{4}(\beta)+36\sin^{4}(\beta)\cos^{4}(\beta)+36\sin^{4}(\beta)\cos^{4}(\beta)+36\sin^{4}(\beta)\cos^{4}(\beta)+36\sin^{4}(\beta)\cos^{4}(\beta)+36\sin^{4}(\beta)+36\sin^{4}(\beta)+36\sin^{4}(\beta)+36\sin^{4}(\beta)+36\sin^{4}(\beta)+36\sin^{4}(\beta)+3
+32i\sin^{5}(\beta)\cos^{3}(\beta)-20\sin^{6}(\beta)\cos^{2}(\beta)+e^{-4i\gamma}\left(-16i\sin^{3}(\beta)\cos^{5}(\beta)+24\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{5}(\beta)\cos^{3}(\beta)\right)
  +e^{4i\gamma} \left(8i\sin(\beta)\cos^{7}(\beta)-8\sin^{2}(\beta)\cos^{6}(\beta)-8i\sin^{3}(\beta)\cos^{5}(\beta)+8\sin^{4}(\beta)\cos^{4}(\beta)+8i\sin^{5}(\beta)\cos^{3}(\beta)-8\sin^{6}(\beta)\cos^{2}(\beta)-8i\sin^{4}(\beta)\cos^{5}(\beta)+8i\sin^{4}(\beta)\cos^{4}(\beta)+8i\sin^{5}(\beta)\cos^{3}(\beta)-8\sin^{6}(\beta)\cos^{2}(\beta)-8i\sin^{4}(\beta)\cos^{5}(\beta)+8i\sin^{4}(\beta)\cos^{4}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)+8i\sin^{5}(\beta)+8i\sin^{5}(\beta)+8i\sin^{5}(\beta)+8i\sin^{5}(\beta)+8i\sin^{5}(\beta)+8i\sin^{5}(\beta)+8i\sin^{5}(\beta)+8i\sin^{5}(\beta)+8i\sin^{5}(\beta)+8i\sin^{5}(\beta)+8i\sin^{5}(\beta)+8i\sin^{5}(\beta
+e^{8i\gamma}\left(\cos^8(\beta)+\sin^8(\beta)\right)
  +e^{-4i\gamma}\left(-3\sin^2(\beta)\cos^6(\beta)+10\sin^4(\beta)\cos^4(\beta)-3\sin^6(\beta)\cos^2(\beta)\right)\left(5i\sin(\beta)\cos^7(\beta)-12\sin^2(\beta)\cos^6(\beta)-33i\sin^3(\beta)\cos^5(\beta)\right)
+40\sin^4(\beta)\cos^4(\beta)+33i\sin^5(\beta)\cos^3(\beta)-12\sin^6(\beta)\cos^2(\beta)-5i\sin^7(\beta)\cos(\beta)+e^{8i\gamma}(i\cos^3(\beta)\sin^5(\beta)-i\cos^5(\beta)\sin^3(\beta))
+e^{4i\gamma}\left(-6\sin^{2}(\beta)\cos^{6}(\beta)-12i\sin^{3}(\beta)\cos^{5}(\beta)+20\sin^{4}(\beta)\cos^{4}(\beta)+12i\sin^{5}(\beta)\cos^{3}(\beta)-6\sin^{6}(\beta)\cos^{2}(\beta)\right)+e^{-8i\gamma}\left(i\cos^{7}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)+12i\sin^{5}(\beta)\cos^{3}(\beta)-6\sin^{6}(\beta)\cos^{2}(\beta)\right)+e^{-8i\gamma}\left(i\cos^{7}(\beta)\cos^{4}(\beta)+12i\sin^{5}(\beta)\cos^{4}(\beta)+12i\sin^{5}(\beta)\cos^{4}(\beta)+12i\sin^{5}(\beta)\cos^{4}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)+12i\sin^{5}(\beta)+12i\sin^{5}(\beta)+12i\sin^{5}(\beta)+12i\sin^{5}(\beta)+12i\sin^{5}(\beta)+12i\sin^{5}(\beta
  +e^{-4i\gamma}\left(\cos^{8}(\beta)+2i\sin(\beta)\cos^{7}(\beta)-10\sin^{2}(\beta)\cos^{6}(\beta)-10i\sin^{3}(\beta)\cos^{5}(\beta)+10\sin^{4}(\beta)\cos^{4}(\beta)+10i\sin^{5}(\beta)\cos^{3}(\beta)-10\sin^{2}(\beta)\cos^{6}(\beta)\right)
+e^{4i\gamma}\left(-3\sin^2(\beta)\cos^6(\beta)+10\sin^4(\beta)\cos^4(\beta)-3\sin^6(\beta)\cos^2(\beta)\right)\left(5i\sin(\beta)\cos^7(\beta)-12\sin^2(\beta)\cos^6(\beta)-33i\sin^3(\beta)\cos^5(\beta)\right)
+40 \sin^4(\beta) \cos^4(\beta) + 33 i \sin^5(\beta) \cos^3(\beta) - 12 \sin^6(\beta) \cos^2(\beta) - 5 i \sin^7(\beta) \cos(\beta) + e^{-8 i \gamma} \left( i \cos^3(\beta) \sin^5(\beta) - i \cos^5(\beta) \sin^3(\beta) \right) \cos^2(\beta) + 2 \sin^6(\beta) \cos^2(\beta) \cos^2(\beta) + 2 \sin^6(\beta) \cos^2(\beta) \cos^2
+e^{-4i\gamma}\left(-6\sin^2(\beta)\cos^6(\beta)-12i\sin^3(\beta)\cos^5(\beta)+20\sin^4(\beta)\cos^4(\beta)+12i\sin^5(\beta)\cos^3(\beta)-6\sin^6(\beta)\cos^2(\beta)\right)+e^{8i\gamma}\left(i\cos^7(\beta)\cos^4(\beta)+2\sin^4(\beta)\cos^4(\beta)+2\sin^4(\beta)\cos^4(\beta)\cos^4(\beta)+2\sin^4(\beta)\cos^4(\beta)\cos^4(\beta)\right)+e^{-4i\gamma}\left(-6\sin^4(\beta)\cos^4(\beta)-3\sin^4(\beta)\cos^4(\beta)+3\sin^4(\beta)\cos^4(\beta)\cos^4(\beta)\right)+e^{-4i\gamma}\left(-6\sin^4(\beta)\cos^4(\beta)-3\sin^4(\beta)\cos^4(\beta)\cos^4(\beta)\right)+e^{-4i\gamma}\left(-6\sin^4(\beta)\cos^4(\beta)\cos^4(\beta)+3\sin^4(\beta)\cos^4(\beta)\cos^4(\beta)\right)+e^{-4i\gamma}\left(-6\sin^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^2(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^2(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta
+e^{4i\gamma}\left(\cos^{8}(\beta)+2i\sin(\beta)\cos^{7}(\beta)-10\sin^{2}(\beta)\cos^{6}(\beta)-10i\sin^{3}(\beta)\cos^{5}(\beta)+10\sin^{4}(\beta)\cos^{4}(\beta)+10i\sin^{5}(\beta)\cos^{3}(\beta)-10\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)+10i\sin^{6}(\beta)+10i\sin^{6}(\beta)+10i\sin^{6}(\beta)+10i\sin^{6}(\beta)+10i\sin^{6}(\beta)+1
+e^{-4i\gamma}\left(-5\sin^2(\beta)\cos^6(\beta)+6\sin^4(\beta)\cos^4(\beta)-5\sin^6(\beta)\cos^2(\beta)\right)\left(4i\sin(\beta)\cos^7(\beta)-16\sin^2(\beta)\cos^6(\beta)-34i\sin^3(\beta)\cos^5(\beta)\right)
  +32\sin^{4}(\beta)\cos^{4}(\beta)+34i\sin^{5}(\beta)\cos^{3}(\beta)-16\sin^{6}(\beta)\cos^{2}(\beta)-4i\sin^{7}(\beta)\cos(\beta)+e^{-8i\gamma}\left(i\cos^{3}(\beta)\sin^{5}(\beta)-i\cos^{5}(\beta)\sin^{3}(\beta)\right)
  +e^{8i\gamma}\left(i\cos^{3}(\beta)\sin^{5}(\beta)-i\cos^{5}(\beta)\sin^{3}(\beta)\right)+e^{4i\gamma}\left(-4\sin^{2}(\beta)\cos^{6}(\beta)-12i\sin^{3}(\beta)\cos^{5}(\beta)+24\sin^{4}(\beta)\cos^{4}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)+12i\sin^{5}(\beta)+12i\sin^{5}(\beta)+12i\sin^{5}(\beta)+12i\sin^{5}(\beta)+12i\sin^{5}(
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(4\cos^4(\beta)(\cos^8(\beta) + 8i\sin(\beta)\cos^7(\beta) - 20\sin^2(\beta)\cos^6(\beta) - 24i\sin^3(\beta)\cos^5(\beta))
+2e^{-8i\gamma}\sin^4(\beta)\cos^4(\beta) + 2e^{8i\gamma}\sin^4(\beta)\cos^4(\beta) + 34\sin^4(\beta)\cos^4(\beta)
+24i\sin^{5}(\beta)\cos^{3}(\beta) - 20\sin^{6}(\beta)\cos^{2}(\beta) - 8i\sin^{7}(\beta)\cos(\beta) + \sin^{8}(\beta)
 +e^{-4i\gamma}\left(-4\sin^2(\beta)\cos^6(\beta)-16i\sin^3(\beta)\cos^5(\beta)+16\sin^4(\beta)\cos^4(\beta)+16i\sin^5(\beta)\cos^3(\beta)-4\sin^6(\beta)\cos^2(\beta)\right)
+e^{4i\gamma}\left(-4\sin^2(\beta)\cos^6(\beta)-16i\sin^3(\beta)\cos^5(\beta)+16\sin^4(\beta)\cos^4(\beta)+16i\sin^5(\beta)\cos^3(\beta)-4\sin^6(\beta)\cos^2(\beta)\right)\sin^4(\beta)
+8\cos^{4}(\beta)(\cos^{8}(\beta)+4i\sin(\beta)\cos^{7}(\beta)-18\sin^{2}(\beta)\cos^{6}(\beta)-28i\sin^{3}(\beta)\cos^{5}(\beta)
 +38\sin^4(\beta)\cos^4(\beta) + 28i\sin^5(\beta)\cos^3(\beta) - 18\sin^6(\beta)\cos^2(\beta) - 4i\sin^7(\beta)\cos(\beta) + \sin^8(\beta)
 +e^{-8i\gamma}\left(-\sin^2(\beta)\cos^6(\beta)-\sin^6(\beta)\cos^2(\beta)\right)+e^{8i\gamma}\left(-\sin^2(\beta)\cos^6(\beta)-\sin^6(\beta)\cos^2(\beta)\right)
+e^{-4i\gamma}(2i\sin(\beta)\cos^{7}(\beta)-4\sin^{2}(\beta)\cos^{6}(\beta)-14i\sin^{3}(\beta)\cos^{5}(\beta)+16\sin^{4}(\beta)\cos^{4}(\beta)+14i\sin^{5}(\beta)\cos^{3}(\beta)-4\sin^{6}(\beta)\cos^{2}(\beta)
 +e^{4i\gamma}(2i\sin(\beta)\cos^{7}(\beta)-4\sin^{2}(\beta)\cos^{6}(\beta)-14i\sin^{3}(\beta)\cos^{5}(\beta)+16\sin^{4}(\beta)\cos^{4}(\beta)+14i\sin^{5}(\beta)\cos^{3}(\beta)-4\sin^{6}(\beta)\cos^{2}(\beta)
 +2e^{-8i\gamma}\cos^4(\beta)\left(-20\sin^2(\beta)\cos^6(\beta)-32i\sin^3(\beta)\cos^5(\beta)+2e^{8i\gamma}\sin^4(\beta)\cos^4(\beta)+36\sin^4(\beta)\cos^4(\beta)\right)
+32i\sin^{5}(\beta)\cos^{3}(\beta)-20\sin^{6}(\beta)\cos^{2}(\beta)+e^{4i\gamma}\left(-16i\sin^{3}(\beta)\cos^{5}(\beta)+24\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{5}(\beta)\cos^{3}(\beta)\right)
 +e^{-4i\gamma}(8i\sin(\beta)\cos^{7}(\beta)-8\sin^{2}(\beta)\cos^{6}(\beta)-8i\sin^{3}(\beta)\cos^{5}(\beta)+8\sin^{4}(\beta)\cos^{4}(\beta)+8i\sin^{5}(\beta)\cos^{3}(\beta)-8\sin^{6}(\beta)\cos^{2}(\beta)-8\sin^{6}(\beta)\cos^{2}(\beta)
 +e^{-8i\gamma}\left(\cos^{8}(\beta)+\sin^{8}(\beta)\right)\sin^{4}(\beta)+2e^{8i\gamma}\cos^{4}(\beta)\left(-20\sin^{2}(\beta)\cos^{6}(\beta)-32i\sin^{3}(\beta)\cos^{5}(\beta)\right)
 +2e^{-8i\gamma}\sin^4(\beta)\cos^4(\beta) + 36\sin^4(\beta)\cos^4(\beta) + 32i\sin^5(\beta)\cos^3(\beta) - 20\sin^6(\beta)\cos^2(\beta)
 +e^{-4i\gamma}\left(-16i\sin^3(\beta)\cos^5(\beta)+24\sin^4(\beta)\cos^4(\beta)+16i\sin^5(\beta)\cos^3(\beta)\right)+e^{4i\gamma}\left(8i\sin(\beta)\cos^7(\beta)-8\sin^2(\beta)\cos^6(\beta)-8i\sin^3(\beta)\cos^2(\beta)+24\sin^4(\beta)\cos^4(\beta)+16i\sin^5(\beta)\cos^3(\beta)\right)
+e^{8i\gamma}\left(\cos^{8}(\beta)+\sin^{8}(\beta)\right)\sin^{4}(\beta)+\left(16i\cos^{3}(\beta)\sin^{5}(\beta)-16i\cos^{5}(\beta)\sin^{3}(\beta)\right)\left(\cos^{8}(\beta)+6i\sin(\beta)\cos^{7}(\beta)-16\sin^{2}(\beta)\cos^{6}(\beta)\sin^{4}(\beta)\right)\sin^{4}(\beta)
 -32i\sin^{3}(\beta)\cos^{5}(\beta) + 30\sin^{4}(\beta)\cos^{4}(\beta) + 32i\sin^{5}(\beta)\cos^{3}(\beta) - 16\sin^{6}(\beta)\cos^{2}(\beta) - 6i\sin^{7}(\beta)\cos(\beta) + \sin^{8}(\beta) + e^{-8i\gamma}(i\cos^{3}(\beta)\cos^{2}(\beta) + 30\sin^{4}(\beta)\cos^{4}(\beta) + 30\sin^{4}(\beta)\cos^{4}(\beta) + 30\sin^{4}(\beta)\cos^{3}(\beta) + 30\sin^{4}(\beta)\cos^{4}(\beta) + 30\sin^{4}(\beta) + 30\sin^{4}
+e^{8i\gamma} \left( i\cos^3(\beta)\sin^5(\beta) - i\cos^5(\beta)\sin^3(\beta) \right) + e^{-4i\gamma} \left( i\sin(\beta)\cos^7(\beta) - 6\sin^2(\beta)\cos^6(\beta) - 11i\sin^3(\beta)\cos^5(\beta) + 20\sin^4(\beta)\cos^4(\beta)\cos^4(\beta) \right) + e^{-4i\gamma} \left( i\sin(\beta)\cos^7(\beta) - 6\sin^2(\beta)\cos^6(\beta) - 11i\sin^3(\beta)\cos^5(\beta) + 20\sin^4(\beta)\cos^4(\beta)\cos^4(\beta) \right) + e^{-4i\gamma} \left( i\sin(\beta)\cos^7(\beta) - 6\sin^2(\beta)\cos^6(\beta) - 11i\sin^3(\beta)\cos^5(\beta) + 20\sin^4(\beta)\cos^4(\beta)\cos^4(\beta) \right) + e^{-4i\gamma} \left( i\sin(\beta)\cos^7(\beta) - 6\sin^2(\beta)\cos^6(\beta) - 11i\sin^3(\beta)\cos^5(\beta) + 20\sin^4(\beta)\cos^4(\beta)\cos^4(\beta) \right) + e^{-4i\gamma} \left( i\sin(\beta)\cos^7(\beta) - 6\sin^2(\beta)\cos^6(\beta) - 11i\sin^3(\beta)\cos^5(\beta) + 20\sin^4(\beta)\cos^4(\beta)\cos^4(\beta) \right) + e^{-4i\gamma} \left( i\sin(\beta)\cos^7(\beta) - 6\sin^2(\beta)\cos^2(\beta) - 11i\sin^3(\beta)\cos^5(\beta) + 20\sin^4(\beta)\cos^4(\beta) \right) + e^{-4i\gamma} \left( i\sin(\beta)\cos^7(\beta) - 6\sin^2(\beta)\cos^2(\beta) - 11i\sin^3(\beta)\cos^5(\beta) + 20\sin^4(\beta)\cos^4(\beta) \right) + e^{-4i\gamma} \left( i\sin(\beta)\cos^7(\beta) - 6\sin^2(\beta)\cos^4(\beta) - 11i\sin^2(\beta)\cos^4(\beta) \right) + e^{-4i\gamma} \left( i\sin(\beta)\cos^2(\beta) - 11i\sin^2(\beta)\cos^4(\beta) + 20\sin^4(\beta)\cos^4(\beta) \right) + e^{-4i\gamma} \left( i\sin(\beta)\cos^2(\beta) - 11i\sin^2(\beta)\cos^4(\beta) + 20\sin^4(\beta)\cos^4(\beta) \right) + e^{-4i\gamma} \left( i\sin(\beta)\cos^2(\beta) - 2\sin^2(\beta)\cos^2(\beta) + 20\sin^2(\beta)\cos^2(\beta) \right) + e^{-4i\gamma} \left( i\sin(\beta)\cos^2(\beta) - 2\sin^2(\beta)\cos^2(\beta) + 20\sin^2(\beta)\cos^2(\beta) \right) + e^{-4i\gamma} \left( i\sin(\beta)\cos^2(\beta) - 2\sin^2(\beta)\cos^2(\beta) + 20\sin^2(\beta)\cos^2(\beta) \right) + e^{-4i\gamma} \left( i\sin(\beta)\cos^2(\beta) - 2\sin^2(\beta)\cos^2(\beta) + 20\sin^2(\beta)\cos^2(\beta) \right) + e^{-4i\gamma} \left( i\sin(\beta)\cos^2(\beta) - 2\sin^2(\beta)\cos^2(\beta) + 2\cos^2(\beta)\cos^2(\beta) \right) + e^{-4i\gamma} \left( i\sin(\beta)\cos^2(\beta) - 2\sin^2(\beta)\cos^2(\beta) \right) + e^{-4i\gamma} \left( i\sin(\beta)\cos^2(\beta)\cos^2(\beta) - 2\sin^2(\beta)\cos^2(\beta) \right) + e^{-4i\gamma} \left( i\sin(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta) \right) + e^{-4i\gamma} \left( i\sin(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta) \right) + e^{-4i\gamma} \left( i\sin(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta) \right) + e^{-4i\gamma} \left( i\sin(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta) \right) + e^{-4i\gamma} \left( i\sin(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta) \right) + e^{-4i\gamma} \left( i\sin(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos
+e^{4i\gamma}\left(i\sin(\beta)\cos^{7}(\beta)-6\sin^{2}(\beta)\cos^{6}(\beta)-11i\sin^{3}(\beta)\cos^{5}(\beta)+20\sin^{4}(\beta)\cos^{4}(\beta)+11i\sin^{5}(\beta)\cos^{3}(\beta)-6\sin^{6}(\beta)\cos^{2}(\beta)-11i\sin^{3}(\beta)\cos^{5}(\beta)+20\sin^{4}(\beta)\cos^{4}(\beta)+11i\sin^{5}(\beta)\cos^{3}(\beta)-6\sin^{6}(\beta)\cos^{2}(\beta)-11i\sin^{3}(\beta)\cos^{5}(\beta)+20\sin^{4}(\beta)\cos^{4}(\beta)+11i\sin^{5}(\beta)\cos^{3}(\beta)+6\sin^{6}(\beta)\cos^{2}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)+11i\sin^{5}(\beta)+11i\sin^{5}(\beta)+11i\sin^{5}(\beta)+11i\sin^{5}(\beta)+11i\sin^{5}(\beta)
+(-4\sin^2(\beta)\cos^6(\beta)+8\sin^4(\beta)\cos^4(\beta)-4\sin^6(\beta)\cos^2(\beta))(\cos^8(\beta)+6i\sin(\beta)\cos^7(\beta)-16\sin^2(\beta)\cos^6(\beta)-26i\sin^3(\beta)\cos^2(\beta))
+2e^{-8i\gamma}\sin^4(\beta)\cos^4(\beta)+2e^{8i\gamma}\sin^4(\beta)\cos^4(\beta)+42\sin^4(\beta)\cos^4(\beta)+26i\sin^5(\beta)\cos^3(\beta)-16\sin^6(\beta)\cos^2(\beta)-6i\sin^7(\beta)\cos^2(\beta)
+\sin^{8}(\beta) + e^{-4i\gamma} \left( i\sin(\beta)\cos^{7}(\beta) - 6\sin^{2}(\beta)\cos^{6}(\beta) - 15i\sin^{3}(\beta)\cos^{5}(\beta) + 12\sin^{4}(\beta)\cos^{4}(\beta) + 15i\sin^{5}(\beta)\cos^{3}(\beta) - 6\sin^{6}(\beta)\cos^{6}(\beta) + 15i\sin^{6}(\beta)\cos^{6}(\beta) + 15i\sin^{6}(\beta) + 15i\sin^{6}(\beta)
+e^{4i\gamma}(i\sin(\beta)\cos^{7}(\beta)-6\sin^{2}(\beta)\cos^{6}(\beta)-15i\sin^{3}(\beta)\cos^{5}(\beta)+12\sin^{4}(\beta)\cos^{4}(\beta)+15i\sin^{5}(\beta)\cos^{3}(\beta)-6\sin^{6}(\beta)\cos^{2}(\beta)-15i\sin^{3}(\beta)\cos^{5}(\beta)
+(4i\sin(\beta)\cos^{7}(\beta)-12i\sin^{3}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{3}(\beta)-4i\sin^{7}(\beta)\cos(\beta))(\cos^{8}(\beta)+4i\sin(\beta)\cos^{7}(\beta)-12\sin^{2}(\beta)\cos^{7}(\beta)
   -34i\sin^{3}(\beta)\cos^{5}(\beta) + 38\sin^{4}(\beta)\cos^{4}(\beta) + 34i\sin^{5}(\beta)\cos^{3}(\beta) - 12\sin^{6}(\beta)\cos^{2}(\beta) - 4i\sin^{7}(\beta)\cos(\beta) + \sin^{8}(\beta) + e^{-8i\gamma}(i\cos^{3}(\beta) + \sin^{4}(\beta)\cos^{4}(\beta) + \sin^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta) + \sin^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta) + \sin^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta
+e^{8i\gamma}\left(i\cos^{3}(\beta)\sin^{5}(\beta)-i\cos^{5}(\beta)\sin^{3}(\beta)\right)+e^{-4i\gamma}\left(2i\sin(\beta)\cos^{7}(\beta)-8\sin^{2}(\beta)\cos^{6}(\beta)-10i\sin^{3}(\beta)\cos^{5}(\beta)+16\sin^{4}(\beta)\cos^{2}(\beta)\sin^{2}(\beta)\cos^{2}(\beta)+16\sin^{4}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)
+e^{4i\gamma} \left(2i\sin(\beta)\cos^{7}(\beta)-8\sin^{2}(\beta)\cos^{6}(\beta)-10i\sin^{3}(\beta)\cos^{5}(\beta)+16\sin^{4}(\beta)\cos^{4}(\beta)+10i\sin^{5}(\beta)\cos^{3}(\beta)-8\sin^{6}(\beta)\cos^{2}(\beta)-10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{4}(\beta)\cos^{4}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)+10i\sin^{5}(\beta)+10i\sin^{5}(\beta)+10i\sin^{5}(\beta)+10i\sin^{5}(\beta)+10i\sin^{5}(\beta)+10i\sin^{5}(\beta)+10i\sin^{5}(\beta)+10i\sin^{5}(\beta)+10i\sin^{5}(\beta)+10i\sin^{5}(\beta)+10i\sin^{5}(\beta)
 +(-6\sin^2(\beta)\cos^6(\beta)+4\sin^4(\beta)\cos^4(\beta)-6\sin^6(\beta)\cos^2(\beta))(\cos^8(\beta)+4i\sin(\beta)\cos^7(\beta)-15\sin^2(\beta)\cos^6(\beta)-28i\sin^3(\beta)\cos^2(\beta)
+2e^{8i\gamma}\sin^4(\beta)\cos^4(\beta)+44\sin^4(\beta)\cos^4(\beta)+28i\sin^5(\beta)\cos^3(\beta)-15\sin^6(\beta)\cos^2(\beta)-4i\sin^7(\beta)\cos(\beta)+\sin^8(\beta)
 +e^{-8i\gamma}\left(-\sin^2(\beta)\cos^6(\beta)-\sin^6(\beta)\cos^2(\beta)\right)+e^{4i\gamma}\left(2i\sin(\beta)\cos^7(\beta)-7\sin^2(\beta)\cos^6(\beta)-14i\sin^3(\beta)\cos^5(\beta)+10\sin^4(\beta)\cos^2(\beta)\right)
 +e^{-4i\gamma}\left(2i\sin(\beta)\cos^{7}(\beta)-5\sin^{2}(\beta)\cos^{6}(\beta)-14i\sin^{3}(\beta)\cos^{5}(\beta)+14\sin^{4}(\beta)\cos^{4}(\beta)+14i\sin^{5}(\beta)\cos^{3}(\beta)-5\sin^{6}(\beta)\cos^{2}(\beta)\right)
+(-2\sin^2(\beta)\cos^6(\beta)+12\sin^4(\beta)\cos^4(\beta)-2\sin^6(\beta)\cos^2(\beta))(\cos^8(\beta)+4i\sin(\beta)\cos^7(\beta)-15\sin^2(\beta)\cos^6(\beta)-28i\sin^3(\beta)\cos^2(\beta))
 +2e^{-8i\gamma}\sin^4(\beta)\cos^4(\beta)+44\sin^4(\beta)\cos^4(\beta)+28i\sin^5(\beta)\cos^3(\beta)-15\sin^6(\beta)\cos^2(\beta)-4i\sin^7(\beta)\cos(\beta)+\sin^8(\beta)
+e^{8i\gamma}\left(-\sin^2(\beta)\cos^6(\beta)-\sin^6(\beta)\cos^2(\beta)\right)+e^{-4i\gamma}\left(2i\sin(\beta)\cos^7(\beta)-7\sin^2(\beta)\cos^6(\beta)-14i\sin^3(\beta)\cos^5(\beta)+10\sin^4(\beta)\cos^2(\beta)\right)
+e^{4i\gamma}(2i\sin(\beta)\cos^{7}(\beta)-5\sin^{2}(\beta)\cos^{6}(\beta)-14i\sin^{3}(\beta)\cos^{5}(\beta)+14\sin^{4}(\beta)\cos^{4}(\beta)+14i\sin^{5}(\beta)\cos^{3}(\beta)-5\sin^{6}(\beta)\cos^{2}(\beta)
+(-4\sin^2(\beta)\cos^6(\beta)+8\sin^4(\beta)\cos^4(\beta)-4\sin^6(\beta)\cos^2(\beta))(\cos^8(\beta)+2i\sin(\beta)\cos^7(\beta)-14\sin^2(\beta)\cos^6(\beta)-30i\sin^3(\beta)\cos^2(\beta))
 +46\sin^4(\beta)\cos^4(\beta)+30i\sin^5(\beta)\cos^3(\beta)-14\sin^6(\beta)\cos^2(\beta)-2i\sin^7(\beta)\cos(\beta)+\sin^8(\beta)+e^{-8i\gamma}\left(-\sin^2(\beta)\cos^6(\beta)-\sin^6(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)
+e^{8i\gamma}\left(-\sin^2(\beta)\cos^6(\beta)-\sin^6(\beta)\cos^2(\beta)\right)+e^{-4i\gamma}\left(3i\sin(\beta)\cos^7(\beta)-6\sin^2(\beta)\cos^6(\beta)-13i\sin^3(\beta)\cos^5(\beta)+12\sin^4(\beta)\cos^2(\beta)\right)
+e^{4i\gamma}(3i\sin(\beta)\cos^7(\beta)-6\sin^2(\beta)\cos^6(\beta)-13i\sin^3(\beta)\cos^5(\beta)+12\sin^4(\beta)\cos^4(\beta)+13i\sin^5(\beta)\cos^3(\beta)-6\sin^6(\beta)\cos^2(\beta)-13i\sin^3(\beta)\cos^5(\beta)+12\sin^4(\beta)\cos^4(\beta)+13i\sin^5(\beta)\cos^5(\beta)
 +e^{-4i\gamma}\left(8i\cos^{3}(\beta)\sin^{5}(\beta)-8i\cos^{5}(\beta)\sin^{3}(\beta)\right)\left(5i\sin(\beta)\cos^{7}(\beta)-12\sin^{2}(\beta)\cos^{6}(\beta)-33i\sin^{3}(\beta)\cos^{5}(\beta)+40\sin^{4}(\beta)\cos^{4}(\beta)\sin^{2}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)
+33i\sin^{5}(\beta)\cos^{3}(\beta)-12\sin^{6}(\beta)\cos^{2}(\beta)-5i\sin^{7}(\beta)\cos(\beta)+e^{8i\gamma}(i\cos^{3}(\beta)\sin^{5}(\beta)-i\cos^{5}(\beta)\sin^{3}(\beta))+e^{4i\gamma}(-6\sin^{2}(\beta)\cos^{2}(\beta)\sin^{3}(\beta))
 +e^{-8i\gamma}(i\cos^{7}(\beta)\sin(\beta)-i\cos(\beta)\sin^{7}(\beta))+e^{-4i\gamma}(\cos^{8}(\beta)+2i\sin(\beta)\cos^{7}(\beta)-10\sin^{2}(\beta)\cos^{6}(\beta)-10i\sin^{3}(\beta)\cos^{5}(\beta)+10\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{
+e^{4i\gamma}\left(8i\cos^{3}(\beta)\sin^{5}(\beta)-8i\cos^{5}(\beta)\sin^{3}(\beta)\right)\left(5i\sin(\beta)\cos^{7}(\beta)-12\sin^{2}(\beta)\cos^{6}(\beta)-33i\sin^{3}(\beta)\cos^{5}(\beta)+40\sin^{4}(\beta)\cos^{4}(\beta)\sin^{2}(\beta)\cos^{4}(\beta)\sin^{2}(\beta)\cos^{4}(\beta)\sin^{2}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos
+33i\sin^{5}(\beta)\cos^{3}(\beta)-12\sin^{6}(\beta)\cos^{2}(\beta)-5i\sin^{7}(\beta)\cos(\beta)+e^{-8i\gamma}\left(i\cos^{3}(\beta)\sin^{5}(\beta)-i\cos^{5}(\beta)\sin^{3}(\beta)\right)+e^{-4i\gamma}\left(-6\sin^{2}(\beta)\cos^{2}(\beta)-i\cos^{2}(\beta)\sin^{2}(\beta)\cos^{2}(\beta)\right)
+e^{8i\gamma} \left( i\cos^7(\beta)\sin(\beta) - i\cos(\beta)\sin^7(\beta) \right) + e^{4i\gamma} \left( \cos^8(\beta) + 2i\sin(\beta)\cos^7(\beta) - 10\sin^2(\beta)\cos^6(\beta) - 10i\sin^3(\beta)\cos^5(\beta) + 10\sin^4(\beta)\cos^2(\beta) + 10\sin^4(\beta)\cos^2(\beta)\cos^2(\beta) \right) + e^{4i\gamma} \left( \cos^8(\beta) + 2i\sin(\beta)\cos^7(\beta) - 10\sin^2(\beta)\cos^6(\beta) + 10\sin^4(\beta)\cos^6(\beta) + 10\sin^4(\beta)\cos^6(\beta) \right) + e^{4i\gamma} \left( \cos^8(\beta) + 2i\sin(\beta)\cos^7(\beta) - 10\sin^2(\beta)\cos^6(\beta) + 10\sin^4(\beta)\cos^6(\beta) + 10\sin^4(\beta)\cos^2(\beta) + 10\sin^2(\beta)\cos^2(\beta) + 10\sin^4(\beta)\cos^2(\beta) + 10\sin^2(\beta)\cos^2(\beta) + 10\sin^2(\beta)\cos^2(\beta) + 10\sin^2(\beta)\cos^2(\beta) + 10\sin^2(\beta)\cos^2(\beta) + 10\sin^2(\beta) + 
+e^{-4i\gamma}\left(8i\cos^{3}(\beta)\sin^{5}(\beta)-8i\cos^{5}(\beta)\sin^{3}(\beta)\right)\left(4i\sin(\beta)\cos^{7}(\beta)-16\sin^{2}(\beta)\cos^{6}(\beta)-34i\sin^{3}(\beta)\cos^{5}(\beta)+32\sin^{4}(\beta)\cos^{4}(\beta)\sin^{2}(\beta)\cos^{4}(\beta)\sin^{5}(\beta)\cos^{5}(\beta)\sin^{5}(\beta)\cos^{5}(\beta)\sin^{5}(\beta)\cos^{5}(\beta)\sin^{5}(\beta)\cos^{5}(\beta)\sin^{5}(\beta)\cos^{5}(\beta)\sin^{5}(\beta)\cos^{5}(\beta)\sin^{5}(\beta)\cos^{5}(\beta)\sin^{5}(\beta)\cos^{5}(\beta)\sin^{5}(\beta)\cos^{5}(\beta)\sin^{5}(\beta)\cos^{5}(\beta)\sin^{5}(\beta)\cos^{5}(\beta)\sin^{5}(\beta)\cos^{5}(\beta)\sin^{5}(\beta)\cos^{5}(\beta)\sin^{5}(\beta)\cos^{5}(\beta)\sin^{5}(\beta)\cos^{5}(\beta)\sin^{5}(\beta)\cos^{5}(\beta)\sin^{5}(\beta)\cos^{5}(\beta)\sin^{5}(\beta)\cos^{5}(\beta)\sin^{5}(\beta)\cos^{5}(\beta)\sin^{5}(\beta)\cos^{5}(\beta)\sin^{5}(\beta)\cos^{5}(\beta)\sin^{5}(\beta)\cos^{5}(\beta)\sin^{5}(\beta)\cos^{5}(\beta)\sin^{5}(\beta)\cos^{5}(\beta)\sin^{5}(\beta)\cos^{5}(\beta)\sin^{5}(\beta)\cos^{5}(\beta)\sin^{5}(\beta)\cos^{5}(\beta)\sin^{5}(\beta)\cos^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\cos^{5}(\beta)\sin^{5}(\beta)\cos^{5}(\beta)\sin^{5}(\beta)\cos^{5}(\beta)\sin^{5}(\beta)\cos^{5}(\beta)\sin^{5}(\beta)\cos^{5}(\beta)\sin^{5}(\beta)\cos^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\cos^{5}(\beta)\sin^{5}(\beta)\cos^{5}(\beta)\sin^{5}(\beta)\cos^{5}(\beta)\sin^{5}(\beta)\cos^{5}(\beta)\sin^{5}(\beta)\cos^{5}(\beta)\sin^{5}(\beta)\cos^{5}(\beta)\sin^{5}(\beta)\cos^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)
 +34i\sin^{5}(\beta)\cos^{3}(\beta)-16\sin^{6}(\beta)\cos^{2}(\beta)-4i\sin^{7}(\beta)\cos(\beta)+e^{-8i\gamma}(i\cos^{3}(\beta)\sin^{5}(\beta)-i\cos^{5}(\beta)\sin^{3}(\beta))+e^{8i\gamma}(i\cos^{3}(\beta)\sin^{5}(\beta)\cos^{2}(\beta)\sin^{5}(\beta)\cos^{2}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(
 +e^{4i\gamma}\left(-4\sin^2(\beta)\cos^6(\beta)-12i\sin^3(\beta)\cos^5(\beta)+24\sin^4(\beta)\cos^4(\beta)+12i\sin^5(\beta)\cos^3(\beta)-4\sin^6(\beta)\cos^2(\beta)\right)+e^{-4i\gamma}\left(\cos^8(\beta)-12i\sin^3(\beta)\cos^5(\beta)+24\sin^4(\beta)\cos^4(\beta)+12i\sin^5(\beta)\cos^3(\beta)-4\sin^6(\beta)\cos^2(\beta)\right)
+e^{4i\gamma}\left(4i\sin(\beta)\cos^{7}(\beta)-4i\sin^{3}(\beta)\cos^{5}(\beta)+4i\sin^{5}(\beta)\cos^{3}(\beta)-4i\sin^{7}(\beta)\cos(\beta)\right)\left(4i\sin(\beta)\cos^{7}(\beta)-16\sin^{2}(\beta)\cos^{6}(\beta)+4i\sin^{5}(\beta)\cos^{3}(\beta)-4i\sin^{7}(\beta)\cos^{7}(\beta)\right)
-34 i \sin ^3(\beta) \cos ^5(\beta)+32 \sin ^4(\beta) \cos ^4(\beta)+34 i \sin ^5(\beta) \cos ^3(\beta)-16 \sin ^6(\beta) \cos ^2(\beta)-4 i \sin ^7(\beta) \cos (\beta)+e^{-8 i \gamma} \left(i \cos ^3(\beta) \sin ^5(\beta) \cos ^4(\beta)+32 \sin ^4(\beta) \cos ^4(\beta)+34 i \sin ^5(\beta) \cos ^5(\beta)+34 i \sin ^5(\beta) \cos ^5(\beta) \cos ^5(\beta) \cos ^2(\beta) \cos ^2(\beta)
 +e^{8i\gamma}\left(i\cos^{3}(\beta)\sin^{5}(\beta)-i\cos^{5}(\beta)\sin^{3}(\beta)\right)+e^{-4i\gamma}\left(-4\sin^{2}(\beta)\cos^{6}(\beta)-12i\sin^{3}(\beta)\cos^{5}(\beta)+24\sin^{4}(\beta)\cos^{4}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)+12i\sin^{5}(\beta)+12i\sin^{5}(\beta)+12i\sin^{5}(\beta)+12i\sin^{5}(\beta)+12i\sin^{5}(\beta)+12i\sin^{5}(\beta)+12i\sin^{5}(\beta)+12i\sin^{5}(\beta)+12i\sin^{5}(\beta)+12i\sin^{5}(\beta)+12i\sin^{5}(\beta)+12i\sin^{5}(\beta)+12i\sin^{5}(\beta)+12i\sin^{5}(\beta)+12i\sin^{5}(\beta)+12i\sin^{5}(\beta)+12i\sin^{5}(\beta)+12i\sin^{5}(\beta)+12i\sin^{5}
 +e^{4i\gamma}(\cos^8(\beta)+4i\sin(\beta)\cos^7(\beta)-8\sin^2(\beta)\cos^6(\beta)-8i\sin^3(\beta)\cos^5(\beta)+14\sin^4(\beta)\cos^4(\beta)+8i\sin^5(\beta)\cos^3(\beta)-8\sin^6(\beta)\cos^6(\beta)
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 $+e^{-4i\gamma}(-2\sin^2(\beta)\cos^6(\beta)+4\sin^4(\beta)\cos^4(\beta)-2\sin^6(\beta)\cos^2(\beta))(4i\sin(\beta)\cos^7(\beta)-16\sin^2(\beta)\cos^6(\beta)-28i\sin^3(\beta)\cos^5(\beta)$

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(8e^{-4i\gamma}\cos^4(\beta)(4i\sin(\beta)\cos^7(\beta) - 16\sin^2(\beta)\cos^6(\beta) - 28i\sin^3(\beta)\cos^5(\beta) + 2e^{-8i\gamma}\sin^4(\beta)\cos^4(\beta))
 +2e^{8i\gamma}\sin^4(\beta)\cos^4(\beta) + 44\sin^4(\beta)\cos^4(\beta) + 28i\sin^5(\beta)\cos^3(\beta) - 16\sin^6(\beta)\cos^2(\beta) - 4i\sin^7(\beta)\cos(\beta)
+e^{4i\gamma}\left(-4\sin^2(\beta)\cos^6(\beta)-16i\sin^3(\beta)\cos^5(\beta)+16\sin^4(\beta)\cos^4(\beta)+16i\sin^5(\beta)\cos^3(\beta)-4\sin^6(\beta)\cos^2(\beta)\right)
+e^{-4i\gamma}\left(\cos^{8}(\beta)+4i\sin(\beta)\cos^{7}(\beta)-8\sin^{2}(\beta)\cos^{6}(\beta)-12i\sin^{3}(\beta)\cos^{5}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+12i\sin^{5}(\beta)\cos^{3}(\beta)-8\sin^{6}(\beta)\cos^{6}(\beta)+4i\sin^{6}(\beta)\cos^{6}(\beta)+4i\sin^{6}(\beta)\cos^{6}(\beta)+3i\sin^{6}(\beta)\cos^{6}(\beta)+3i\sin^{6}(\beta)\cos^{6}(\beta)+3i\sin^{6}(\beta)\cos^{6}(\beta)+3i\sin^{6}(\beta)\cos^{6}(\beta)+3i\sin^{6}(\beta)\cos^{6}(\beta)+3i\sin^{6}(\beta)\cos^{6}(\beta)+3i\sin^{6}(\beta)\cos^{6}(\beta)+3i\sin^{6}(\beta)\cos^{6}(\beta)+3i\sin^{6}(\beta)\cos^{6}(\beta)+3i\sin^{6}(\beta)\cos^{6}(\beta)+3i\sin^{6}(\beta)\cos^{6}(\beta)+3i\sin^{6}(\beta)\cos^{6}(\beta)+3i\sin^{6}(\beta)\cos^{6}(\beta)+3i\sin^{6}(\beta)\cos^{6}(\beta)+3i\sin^{6}(\beta)\cos^{6}(\beta)+3i\sin^{6}(\beta)\cos^{6}(\beta)+3i\sin^{6}(\beta)\cos^{6}(\beta)+3i\sin^{6}(\beta)\cos^{6}(\beta)+3i\sin^{6}(\beta)\cos^{6}(\beta)+3i\sin^{6}(\beta)\cos^{6}(\beta)+3i\sin^{6}(\beta)\cos^{6}(\beta)+3i\sin^{6}(\beta)\cos^{6}(\beta)+3i\sin^{6}(\beta)\cos^{6}(\beta)+3i\sin^{6}(\beta)\cos^{6}(\beta)+3i\sin^{6}(\beta)\cos^{6}(\beta)+3i\sin^{6}(\beta)\cos^{6}(\beta)+3i\sin^{6}(\beta)\cos^{6}(\beta)+3i\sin^{6}(\beta)\cos^{6}(\beta)+3i\sin^{6}(\beta)\cos^{6}(\beta)+3i\sin^{6}(\beta)\cos^{6}(\beta)+3i\sin^{6}(\beta)\cos^{6}(\beta)+3i\sin^{6}(\beta)\cos^{6}(\beta)+3i\sin^{6}(\beta)\cos^{6}(\beta)+3i\sin^{6}(\beta)\cos^{6}(\beta)+3i\sin^{6}(\beta)\cos^{6}(\beta)+3i\sin^{6}(\beta)\cos^{6}(\beta)+3i\sin^{6}(\beta)\cos^{6}(\beta)+3i\sin^{6}(\beta)\cos^{6}(\beta)+3i\sin^{6}(\beta)\cos^{6}(\beta)+3i\sin^{6}(\beta)\cos^{6}(\beta)+3i\sin^{6}(\beta)\cos^{6}(\beta)+3i\sin^{6}(\beta)\cos^{6}(\beta)+3i\sin^{6}(\beta)\cos^{6}(\beta)+3i\sin^{6}(\beta)\cos^{6}(\beta)+3i\sin^{6}(\beta)\cos^{6}(\beta)+3i\sin^{6}(\beta)\cos^{6}(\beta)+3i\sin^{6}(\beta)\cos^{6}(\beta)+3i\sin^{6}(\beta)\cos^{6}(\beta)+3i\sin^{6}(\beta)\cos^{6}(\beta)+3i\sin^{6}(\beta)\cos^{6}(\beta)+3i\sin^{6}(\beta)\cos^{6}(\beta)+3i\sin^{6}(\beta)\cos^{6}(\beta)+3i\sin^{6}(\beta)\cos^{6}(\beta)+3i\sin^{6}(\beta)\cos^{6}(\beta)+3i\sin^{6}(\beta)\cos^{6}(\beta)+3i\sin^{6}(\beta)\cos^{6}(\beta)+3i\sin^{6}(\beta)\cos^{6}(\beta)+3i\sin^{6}(\beta)\cos^{6}(\beta)+3i\sin^{6}(\beta)\cos^{6}(\beta)+3i\sin^{6}(\beta)\cos^{6}(\beta)+3i\sin^{6}(\beta)\cos^{6}(\beta)+3i\sin^{6}(\beta)\cos^{6}(\beta)+3i\sin^{6}(\beta)\cos^{6}(\beta)+3i\sin^{6}(\beta)\cos^{6}(\beta)+3i\sin^{6}(\beta)\cos^{6}(\beta)+3i\sin^{6}(\beta)\cos^{6}(\beta)+3i\sin^{6}(\beta)\cos^{6}(\beta)+3i\sin^{6}(\beta)\cos^{6}(\beta)+3i\sin^{6}(\beta)\cos^{6}(\beta)+3i\sin^{6}(\beta)\cos^{6}(\beta)+3i\sin^{6}(\beta)\cos^{6}(\beta)+3i\sin^{6}(\beta)\cos^{6}(\beta)+3i\sin^{6}(\beta)\cos^{6}(\beta)+3i\sin^{6}(\beta)\cos^{6}(\beta)+3i\sin^{6}(\beta)\cos^{6}(\beta)+3i\sin^{6}(\beta)\cos^{6}(\beta)+3i\sin^{6}(\beta)\cos^{6}(\beta)+3i\sin^{6}(\beta)\cos^{6}(\beta)+3i\sin^{6}(\beta)\cos^{6}(\beta)+3i\sin^{6}(\beta)\cos^{6}(\beta)+3i\sin^{6}(\beta)\cos^{6}(\beta)+3i\sin^{6}(\beta)\cos^{6}(\beta)+3i\sin^{6}(\beta)\cos^{6}(\beta)+3i\sin^{6}(\beta)\cos^{6}(\beta)+3i\sin^{6}(\beta)\cos^{6}(\beta)+3i\sin^{6}(\beta)\cos^{6}(\beta)+3i\sin^{6}(\beta)\sin^{6}(\beta)
 +8e^{4i\gamma}\cos^4(\beta)\left(4i\sin(\beta)\cos^7(\beta)-16\sin^2(\beta)\cos^6(\beta)-28i\sin^3(\beta)\cos^5(\beta)+2e^{-8i\gamma}\sin^4(\beta)\cos^4(\beta)\right)
+2e^{8i\gamma}\sin^4(\beta)\cos^4(\beta) + 44\sin^4(\beta)\cos^4(\beta) + 28i\sin^5(\beta)\cos^3(\beta) - 16\sin^6(\beta)\cos^2(\beta) - 4i\sin^7(\beta)\cos(\beta)
 +e^{-4i\gamma}\left(-4\sin^2(\beta)\cos^6(\beta)-16i\sin^3(\beta)\cos^5(\beta)+16\sin^4(\beta)\cos^4(\beta)+16i\sin^5(\beta)\cos^3(\beta)-4\sin^6(\beta)\cos^2(\beta)\right)
+e^{4i\gamma}(\cos^8(\beta)+4i\sin(\beta)\cos^7(\beta)-8\sin^2(\beta)\cos^6(\beta)-12i\sin^3(\beta)\cos^5(\beta)+6\sin^4(\beta)\cos^4(\beta)+12i\sin^5(\beta)\cos^3(\beta)-8\sin^6(\beta)
+(-2\sin^2(\beta)\cos^6(\beta)-2\sin^6(\beta)\cos^2(\beta))(\cos^8(\beta)+8i\sin(\beta)\cos^7(\beta)-20\sin^2(\beta)\cos^6(\beta)
   -24i\sin^{3}(\beta)\cos^{5}(\beta) + 2e^{-8i\gamma}\sin^{4}(\beta)\cos^{4}(\beta) + 2e^{8i\gamma}\sin^{4}(\beta)\cos^{4}(\beta) + 34\sin^{4}(\beta)\cos^{4}(\beta)
 +24i\sin^{5}(\beta)\cos^{3}(\beta)-20\sin^{6}(\beta)\cos^{2}(\beta)-8i\sin^{7}(\beta)\cos(\beta)+\sin^{8}(\beta)
+e^{-4i\gamma}\left(-4\sin^2(\beta)\cos^6(\beta)-16i\sin^3(\beta)\cos^5(\beta)+16\sin^4(\beta)\cos^4(\beta)+16i\sin^5(\beta)\cos^3(\beta)-4\sin^6(\beta)\cos^2(\beta)\right)
+e^{4i\gamma}\left(-4\sin^2(\beta)\cos^6(\beta)-16i\sin^3(\beta)\cos^5(\beta)+16\sin^4(\beta)\cos^4(\beta)+16i\sin^5(\beta)\cos^3(\beta)-4\sin^6(\beta)\cos^2(\beta)\right)
+ \left(4i\sin(\beta)\cos^{7}(\beta) - 12i\sin^{3}(\beta)\cos^{5}(\beta) + 12i\sin^{5}(\beta)\cos^{3}(\beta) - 4i\sin^{7}(\beta)\cos(\beta)\right) \left(\cos^{8}(\beta) + 6i\sin(\beta)\cos^{7}(\beta) - 16\sin^{2}(\beta)\cos^{3}(\beta)\right) + 2i\sin^{3}(\beta)\cos^{3}(\beta) 
 -32i\sin^{3}(\beta)\cos^{5}(\beta) + 30\sin^{4}(\beta)\cos^{4}(\beta) + 32i\sin^{5}(\beta)\cos^{3}(\beta) - 16\sin^{6}(\beta)\cos^{2}(\beta) - 6i\sin^{7}(\beta)\cos(\beta) + \sin^{8}(\beta) + e^{-8i\gamma}(i\cos^{3}(\beta)\cos^{2}(\beta) + 30\sin^{4}(\beta)\cos^{4}(\beta) + 30\sin^{4}(\beta)\cos^{4}(\beta) + 30\sin^{4}(\beta)\cos^{3}(\beta) + 30\sin^{4}(\beta)\cos^{4}(\beta) + 30\sin^{4}(\beta) + 30
 +e^{8i\gamma}\left(i\cos^{3}(\beta)\sin^{5}(\beta)-i\cos^{5}(\beta)\sin^{3}(\beta)\right)+e^{-4i\gamma}\left(i\sin(\beta)\cos^{7}(\beta)-6\sin^{2}(\beta)\cos^{6}(\beta)-11i\sin^{3}(\beta)\cos^{5}(\beta)+20\sin^{4}(\beta)\cos^{4}(\beta)\sin^{2}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4
+e^{4i\gamma}\left(i\sin(\beta)\cos^{7}(\beta)-6\sin^{2}(\beta)\cos^{6}(\beta)-11i\sin^{3}(\beta)\cos^{5}(\beta)+20\sin^{4}(\beta)\cos^{4}(\beta)+11i\sin^{5}(\beta)\cos^{3}(\beta)-6\sin^{6}(\beta)\cos^{2}(\beta)-11i\sin^{3}(\beta)\cos^{5}(\beta)+20\sin^{4}(\beta)\cos^{4}(\beta)+11i\sin^{5}(\beta)\cos^{3}(\beta)-6\sin^{6}(\beta)\cos^{2}(\beta)-11i\sin^{3}(\beta)\cos^{5}(\beta)+20\sin^{4}(\beta)\cos^{4}(\beta)+11i\sin^{5}(\beta)\cos^{3}(\beta)-6\sin^{6}(\beta)\cos^{2}(\beta)-11i\sin^{3}(\beta)\cos^{5}(\beta)+20\sin^{4}(\beta)\cos^{4}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+20\sin^{4}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)+11i\sin^{5}(\beta)+11i\sin^{5}(\beta)+11i\sin^{5}(\beta)+11i\sin^{5}(\beta)+11i\sin^{5}(\beta)+11i\sin^{5}(\beta)+11i\sin^{5}(\beta)+11i\sin^{5}(
+(-4\sin^2(\beta)\cos^6(\beta)+8\sin^4(\beta)\cos^4(\beta)-4\sin^6(\beta)\cos^2(\beta))(\cos^8(\beta)+6i\sin(\beta)\cos^7(\beta)-16\sin^2(\beta)\cos^6(\beta)-26i\sin^3(\beta)\cos^2(\beta))
 +2e^{-8i\gamma}\sin^4(\beta)\cos^4(\beta)+2e^{8i\gamma}\sin^4(\beta)\cos^4(\beta)+42\sin^4(\beta)\cos^4(\beta)+26i\sin^5(\beta)\cos^3(\beta)-16\sin^6(\beta)\cos^2(\beta)-6i\sin^7(\beta)\cos^2(\beta)
+\sin^{8}(\beta)+e^{-4i\gamma}(i\sin(\beta)\cos^{7}(\beta)-6\sin^{2}(\beta)\cos^{6}(\beta)-15i\sin^{3}(\beta)\cos^{5}(\beta)+12\sin^{4}(\beta)\cos^{4}(\beta)+15i\sin^{5}(\beta)\cos^{3}(\beta)-6\sin^{6}(\beta)\cos^{6}(\beta)
+e^{4i\gamma}(i\sin(\beta)\cos^{7}(\beta)-6\sin^{2}(\beta)\cos^{6}(\beta)-15i\sin^{3}(\beta)\cos^{5}(\beta)+12\sin^{4}(\beta)\cos^{4}(\beta)+15i\sin^{5}(\beta)\cos^{3}(\beta)-6\sin^{6}(\beta)\cos^{2}(\beta)-15i\sin^{3}(\beta)\cos^{5}(\beta)
+(16i\cos^3(\beta)\sin^5(\beta)-16i\cos^5(\beta)\sin^3(\beta))(\cos^8(\beta)+4i\sin(\beta)\cos^7(\beta)-12\sin^2(\beta)\cos^6(\beta)-34i\sin^3(\beta)\cos^5(\beta)
 +38\sin^4(\beta)\cos^4(\beta)+34i\sin^5(\beta)\cos^3(\beta)-12\sin^6(\beta)\cos^2(\beta)-4i\sin^7(\beta)\cos(\beta)+\sin^8(\beta)+e^{-8i\gamma}(i\cos^3(\beta)\sin^5(\beta)-i\cos^5(\beta)\sin^5(\beta)\cos^2(\beta)
+e^{8i\gamma}(i\cos^3(\beta)\sin^5(\beta)-i\cos^5(\beta)\sin^3(\beta))+e^{-4i\gamma}(2i\sin(\beta)\cos^7(\beta)-8\sin^2(\beta)\cos^6(\beta)-10i\sin^3(\beta)\cos^5(\beta)+16\sin^4(\beta)\cos^2(\beta)\sin^3(\beta)\sin^3(\beta)\sin^3(\beta)\cos^3(\beta)\sin^3(\beta)\cos^3(\beta)\sin^3(\beta)\cos^3(\beta)\sin^3(\beta)\cos^3(\beta)\sin^3(\beta)\cos^3(\beta)\sin^3(\beta)\cos^3(\beta)\sin^3(\beta)\cos^3(\beta)\cos^3(\beta)\sin^3(\beta)\cos^3(\beta)\cos^3(\beta)\sin^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^
+e^{4i\gamma}(2i\sin(\beta)\cos^{7}(\beta)-8\sin^{2}(\beta)\cos^{6}(\beta)-10i\sin^{3}(\beta)\cos^{5}(\beta)+16\sin^{4}(\beta)\cos^{4}(\beta)+10i\sin^{5}(\beta)\cos^{3}(\beta)-8\sin^{6}(\beta)\cos^{2}(\beta)
 +(-4\sin^2(\beta)\cos^6(\beta)+8\sin^4(\beta)\cos^4(\beta)-4\sin^6(\beta)\cos^2(\beta))(\cos^8(\beta)+4i\sin(\beta)\cos^7(\beta)-15\sin^2(\beta)\cos^6(\beta)-28i\sin^3(\beta)\cos^2(\beta)
+2e^{8i\gamma}\sin^4(\beta)\cos^4(\beta)+44\sin^4(\beta)\cos^4(\beta)+28i\sin^5(\beta)\cos^3(\beta)-15\sin^6(\beta)\cos^2(\beta)-4i\sin^7(\beta)\cos(\beta)+\sin^8(\beta)
+e^{-8i\gamma}\left(-\sin^{2}(\beta)\cos^{6}(\beta)-\sin^{6}(\beta)\cos^{2}(\beta)\right)+e^{4i\gamma}\left(2i\sin(\beta)\cos^{7}(\beta)-7\sin^{2}(\beta)\cos^{6}(\beta)-14i\sin^{3}(\beta)\cos^{5}(\beta)+10\sin^{4}(\beta)\cos^{6}(\beta)\right)
 +e^{-4i\gamma} \left(2i\sin(\beta)\cos^{7}(\beta)-5\sin^{2}(\beta)\cos^{6}(\beta)-14i\sin^{3}(\beta)\cos^{5}(\beta)+14\sin^{4}(\beta)\cos^{4}(\beta)+14i\sin^{5}(\beta)\cos^{3}(\beta)-5\sin^{6}(\beta)\cos^{2}(\beta)\right)
+(-4\sin^2(\beta)\cos^6(\beta)+8\sin^4(\beta)\cos^4(\beta)-4\sin^6(\beta)\cos^2(\beta))(\cos^8(\beta)+4i\sin(\beta)\cos^7(\beta)-15\sin^2(\beta)\cos^6(\beta)-28i\sin^3(\beta)\cos^2(\beta)
 +2e^{-8i\gamma}\sin^4(\beta)\cos^4(\beta)+44\sin^4(\beta)\cos^4(\beta)+28i\sin^5(\beta)\cos^3(\beta)-15\sin^6(\beta)\cos^2(\beta)-4i\sin^7(\beta)\cos(\beta)+\sin^8(\beta)
+e^{8i\gamma}\left(-\sin^2(\beta)\cos^6(\beta)-\sin^6(\beta)\cos^2(\beta)\right)+e^{-4i\gamma}\left(2i\sin(\beta)\cos^7(\beta)-7\sin^2(\beta)\cos^6(\beta)-14i\sin^3(\beta)\cos^5(\beta)+10\sin^4(\beta)\cos^2(\beta)\right)
+e^{4i\gamma} \left(2i\sin(\beta)\cos^{7}(\beta)-5\sin^{2}(\beta)\cos^{6}(\beta)-14i\sin^{3}(\beta)\cos^{5}(\beta)+14\sin^{4}(\beta)\cos^{4}(\beta)+14i\sin^{5}(\beta)\cos^{3}(\beta)-5\sin^{6}(\beta)\cos^{2}(\beta)-14i\sin^{3}(\beta)\cos^{5}(\beta)+14\sin^{4}(\beta)\cos^{4}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)-14i\sin^{5}(\beta)\cos^{5}(\beta)-14i\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{4}(\beta)\cos^{4}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)-14i\sin^{5}(\beta)\cos^{5}(\beta)-14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)+14i\sin^{5}(\beta)+14i\sin^{5}(\beta)+14i\sin^{5}(\beta)+14i\sin^{5}(\beta)+14i\sin^{5}(\beta)+14i\sin^{5}(\beta)+14i\sin^{5}(\beta)+14i\sin^{5}(\beta)+14i\sin^{5}(\beta)+14i\sin^{5}(\beta)+14i\sin^{5}(\beta)+1
+(\cos^8(\beta)+6\sin^4(\beta)\cos^4(\beta)+\sin^8(\beta))(\cos^8(\beta)+4i\sin(\beta)\cos^7(\beta)-18\sin^2(\beta)\cos^6(\beta)-28i\sin^3(\beta)\cos^5(\beta)+38\sin^4(\beta)\cos^6(\beta)
 +28i\sin^{5}(\beta)\cos^{3}(\beta)-18\sin^{6}(\beta)\cos^{2}(\beta)-4i\sin^{7}(\beta)\cos(\beta)+\sin^{8}(\beta)+e^{-8i\gamma}\left(-\sin^{2}(\beta)\cos^{6}(\beta)-\sin^{6}(\beta)\cos^{2}(\beta)\right)
+e^{8i\gamma}\left(-\sin^{2}(\beta)\cos^{6}(\beta)-\sin^{6}(\beta)\cos^{2}(\beta)\right)+e^{-4i\gamma}\left(2i\sin(\beta)\cos^{7}(\beta)-4\sin^{2}(\beta)\cos^{6}(\beta)-14i\sin^{3}(\beta)\cos^{5}(\beta)+16\sin^{4}(\beta)\cos^{6}(\beta)\right)+e^{-4i\gamma}\left(2i\sin(\beta)\cos^{7}(\beta)-4\sin^{2}(\beta)\cos^{6}(\beta)-14i\sin^{3}(\beta)\cos^{5}(\beta)+16\sin^{4}(\beta)\cos^{6}(\beta)\right)+e^{-4i\gamma}\left(2i\sin(\beta)\cos^{7}(\beta)-4\sin^{2}(\beta)\cos^{6}(\beta)-14i\sin^{3}(\beta)\cos^{5}(\beta)+16\sin^{4}(\beta)\cos^{6}(\beta)\right)+e^{-4i\gamma}\left(2i\sin(\beta)\cos^{7}(\beta)-4\sin^{2}(\beta)\cos^{6}(\beta)-14i\sin^{3}(\beta)\cos^{5}(\beta)+16\sin^{4}(\beta)\cos^{6}(\beta)\right)+e^{-4i\gamma}\left(2i\sin(\beta)\cos^{7}(\beta)-4\sin^{4}(\beta)\cos^{6}(\beta)-14i\sin^{4}(\beta)\cos^{5}(\beta)+16\sin^{4}(\beta)\cos^{6}(\beta)\right)+e^{-4i\gamma}\left(2i\sin(\beta)\cos^{7}(\beta)-4\sin^{4}(\beta)\cos^{6}(\beta)-14i\sin^{4}(\beta)\cos^{5}(\beta)+16\sin^{4}(\beta)\cos^{6}(\beta)\right)+e^{-4i\gamma}\left(2i\sin(\beta)\cos^{7}(\beta)-4\sin^{4}(\beta)\cos^{6}(\beta)-14i\sin^{4}(\beta)\cos^{5}(\beta)+16\sin^{4}(\beta)\cos^{6}(\beta)\right)+e^{-4i\gamma}\left(2i\sin(\beta)\cos^{7}(\beta)-4\sin^{4}(\beta)\cos^{6}(\beta)-14i\sin^{4}(\beta)\cos^{5}(\beta)+16\sin^{4}(\beta)\cos^{6}(\beta)\right)+e^{-4i\gamma}\left(2i\sin(\beta)\cos^{6}(\beta)-14i\sin^{4}(\beta)\cos^{6}(\beta)+16\sin^{4}(\beta)\cos^{6}(\beta)\right)+e^{-4i\gamma}\left(2i\sin(\beta)\cos^{6}(\beta)-14i\sin^{4}(\beta)\cos^{6}(\beta)\right)+e^{-4i\gamma}\left(2i\sin(\beta)\cos^{6}(\beta)-14i\sin^{4}(\beta)\cos^{6}(\beta)\right)+e^{-4i\gamma}\left(2i\sin(\beta)\cos^{6}(\beta)-14i\sin^{4}(\beta)\cos^{6}(\beta)\right)+e^{-4i\gamma}\left(2i\sin(\beta)\cos^{6}(\beta)-14i\sin^{4}(\beta)\cos^{6}(\beta)\right)+e^{-4i\gamma}\left(2i\sin(\beta)\cos^{6}(\beta)-14i\sin^{4}(\beta)\cos^{6}(\beta)\right)+e^{-4i\gamma}\left(2i\sin(\beta)\cos^{6}(\beta)-14i\sin^{4}(\beta)\cos^{6}(\beta)\right)+e^{-4i\gamma}\left(2i\sin(\beta)\cos^{6}(\beta)-14i\sin^{4}(\beta)\cos^{6}(\beta)\right)+e^{-4i\gamma}\left(2i\sin(\beta)\cos^{6}(\beta)-14i\sin^{4}(\beta)\cos^{6}(\beta)\right)+e^{-4i\gamma}\left(2i\sin(\beta)\cos^{6}(\beta)-14i\sin^{6}(\beta)\cos^{6}(\beta)\right)+e^{-4i\gamma}\left(2i\sin(\beta)\cos^{6}(\beta)-14i\sin^{6}(\beta)\cos^{6}(\beta)\right)+e^{-4i\gamma}\left(2i\sin(\beta)\cos^{6}(\beta)-14i\sin^{6}(\beta)\cos^{6}(\beta)\right)+e^{-4i\gamma}\left(2i\sin(\beta)\cos^{6}(\beta)-14i\sin^{6}(\beta)\cos^{6}(\beta)\right)+e^{-4i\gamma}\left(2i\sin(\beta)\cos^{6}(\beta)-14i\sin^{6}(\beta)\cos^{6}(\beta)\right)+e^{-4i\beta}\left(2i\sin(\beta)\cos^{6}(\beta)-14i\sin^{6}(\beta)\cos^{6}(\beta)\right)+e^{-4i\beta}\left(2i\sin(\beta)\cos^{6}(\beta)-14i\sin^{6}(\beta)\cos^{6}(\beta)\right)+e^{-4i\beta}\left(2i\sin(\beta)\cos^{6}(\beta)-14i\sin^{6}(\beta)\cos^{6}(\beta)\right)+e^{-4i\beta}\left(2i\sin(\beta)\cos^{6}(\beta)-14i\sin^{6}(\beta)\cos^{6}(\beta)\right)+e^{-4i\beta}\left(2i\sin(\beta)\cos^{6}(\beta)-14i\sin^{6}(\beta)\cos^{6}(\beta)\right)+e^{-4i\beta}\left(2i\sin(\beta)\cos^{6}(\beta)-14i\sin^{6}(\beta)\cos^{6}(\beta)\right)+e^{-4i\beta}\left(2i\sin(\beta)\cos^{6}(\beta)-14i\sin^{6}(\beta)\cos^{6}(\beta)\right)+e^{-4i\beta}\left(2i\sin(\beta)\cos^{6}(\beta)-14i\sin^{6}(\beta)\cos^{6}(\beta)\right)+e^{-4i\beta}\left(2i\sin(\beta)\cos^{6}(\beta)-14i\sin^{6}(\beta)\cos^{6}(\beta)\right)+e^{-4i\beta}\left(2i\sin(\beta)\cos^{6}(\beta)-14i\sin^{6}(\beta)\cos^{6}(\beta)\right)+e^{-4i\beta}\left(2i\sin(\beta)\cos^{6}(\beta)-14i\sin^{6}(\beta)\cos^{6}(\beta)\right)+e^{-4i\beta}\left(2i\sin(\beta)\cos^{6}(\beta)\right)+e^{-4i\beta}\left(2i\sin(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\right)+e^{-4i\beta}\left(2i\sin(\beta)\cos^{6}(\beta)\right)+e^{-4i\beta}\left(2i\sin(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\right)+e^{-4i\beta
+e^{4i\gamma}(2i\sin(\beta)\cos^{7}(\beta)-4\sin^{2}(\beta)\cos^{6}(\beta)-14i\sin^{3}(\beta)\cos^{5}(\beta)+16\sin^{4}(\beta)\cos^{4}(\beta)+14i\sin^{5}(\beta)\cos^{3}(\beta)-4\sin^{6}(\beta)\cos^{2}(\beta)
 +(-4\sin^2(\beta)\cos^6(\beta)+8\sin^4(\beta)\cos^4(\beta)-4\sin^6(\beta)\cos^2(\beta))(\cos^8(\beta)+2i\sin(\beta)\cos^7(\beta)-14\sin^2(\beta)\cos^6(\beta)-30i\sin^3(\beta)\cos^2(\beta)
+46 \sin ^4(\beta) \cos ^4(\beta)+30 i \sin ^5(\beta) \cos ^3(\beta)-14 \sin ^6(\beta) \cos ^2(\beta)-2 i \sin ^7(\beta) \cos (\beta)+\sin ^8(\beta)+e^{-8 i \gamma} \left(-\sin ^2(\beta) \cos ^6(\beta)-\sin ^6(\beta) \cos ^6(\beta)+30 i \sin ^6(\beta) \cos ^6(\beta)\right)
+e^{8i\gamma}\left(-\sin^2(\beta)\cos^6(\beta)-\sin^6(\beta)\cos^2(\beta)\right)+e^{-4i\gamma}\left(3i\sin(\beta)\cos^7(\beta)-6\sin^2(\beta)\cos^6(\beta)-13i\sin^3(\beta)\cos^5(\beta)+12\sin^4(\beta)\cos^2(\beta)\right)
+e^{4i\gamma}\left(3i\sin(\beta)\cos^{7}(\beta)-6\sin^{2}(\beta)\cos^{6}(\beta)-13i\sin^{3}(\beta)\cos^{5}(\beta)+12\sin^{4}(\beta)\cos^{4}(\beta)+13i\sin^{5}(\beta)\cos^{3}(\beta)-6\sin^{6}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)+13i\sin^{2}(\beta)+13i\sin^{2}(\beta)+13i\sin^{2}(\beta)+13i\sin^{2}(\beta)+13i\sin
+e^{-8i\gamma}\left(-\sin^2(\beta)\cos^6(\beta)-\sin^6(\beta)\cos^2(\beta)\right)\left(-20\sin^2(\beta)\cos^6(\beta)-32i\sin^3(\beta)\cos^5(\beta)+2e^{8i\gamma}\sin^4(\beta)\cos^4(\beta)+36\sin^4(\beta)\cos^2(\beta)\right)
 +32i\sin^{5}(\beta)\cos^{3}(\beta)-20\sin^{6}(\beta)\cos^{2}(\beta)+e^{4i\gamma}\left(-16i\sin^{3}(\beta)\cos^{5}(\beta)+24\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{5}(\beta)\cos^{3}(\beta)\right)+e^{-4i\gamma}\left(8i\sin^{5}(\beta)\cos^{5}(\beta)+24\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{5}(\beta)\cos^{3}(\beta)\right)
 +e^{-8i\gamma}\left(\cos^8(\beta)+\sin^8(\beta)\right)
+e^{8i\gamma}\left(-\sin^{2}(\beta)\cos^{6}(\beta)-\sin^{6}(\beta)\cos^{2}(\beta)\right)\left(-20\sin^{2}(\beta)\cos^{6}(\beta)-32i\sin^{3}(\beta)\cos^{5}(\beta)+2e^{-8i\gamma}\sin^{4}(\beta)\cos^{4}(\beta)+36\sin^{4}(\beta)\cos^{2}(\beta)\right)
+32i\sin^{5}(\beta)\cos^{3}(\beta)-20\sin^{6}(\beta)\cos^{2}(\beta)+e^{-4i\gamma}\left(-16i\sin^{3}(\beta)\cos^{5}(\beta)+24\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{5}(\beta)\cos^{3}(\beta)\right)
+e^{4i\gamma}(8i\sin(\beta)\cos^{7}(\beta)-8\sin^{2}(\beta)\cos^{6}(\beta)-8i\sin^{3}(\beta)\cos^{5}(\beta)+8\sin^{4}(\beta)\cos^{4}(\beta)+8i\sin^{5}(\beta)\cos^{3}(\beta)-8\sin^{6}(\beta)\cos^{2}(\beta)-8i\sin^{4}(\beta)\cos^{5}(\beta)
+e^{8i\gamma}\left(\cos^8(\beta)+\sin^8(\beta)\right)
+e^{-4i\gamma}\left(2i\sin(\beta)\cos^{7}(\beta)-6i\sin^{3}(\beta)\cos^{5}(\beta)+6i\sin^{5}(\beta)\cos^{3}(\beta)-2i\sin^{7}(\beta)\cos(\beta)\right)\left(5i\sin(\beta)\cos^{7}(\beta)-12\sin^{2}(\beta)\cos^{6}(\beta)+6i\sin^{5}(\beta)\cos^{3}(\beta)-2i\sin^{7}(\beta)\cos(\beta)\right)
 -33i\sin^{3}(\beta)\cos^{5}(\beta) + 40\sin^{4}(\beta)\cos^{4}(\beta) + 33i\sin^{5}(\beta)\cos^{3}(\beta) - 12\sin^{6}(\beta)\cos^{2}(\beta) - 5i\sin^{7}(\beta)\cos(\beta) + e^{8i\gamma}\left(i\cos^{3}(\beta)\sin^{5}(\beta)\cos^{2}(\beta)\right) + 2\sin^{6}(\beta)\cos^{2}(\beta) + 2\sin^{6}(\beta)\cos^{6}(\beta) + 2
+e^{4i\gamma}\left(-6\sin^2(\beta)\cos^6(\beta)-12i\sin^3(\beta)\cos^5(\beta)+20\sin^4(\beta)\cos^4(\beta)+12i\sin^5(\beta)\cos^3(\beta)-6\sin^6(\beta)\cos^2(\beta)\right)+e^{-8i\gamma}\left(i\cos^7(\beta)\cos^4(\beta)+2i\sin^5(\beta)\cos^4(\beta)+2i\sin^5(\beta)\cos^5(\beta)+2i\sin^5(\beta)\cos^5(\beta)+2i\sin^5(\beta)\cos^5(\beta)+2i\sin^5(\beta)\cos^5(\beta)+2i\sin^5(\beta)\cos^5(\beta)+2i\sin^5(\beta)\cos^5(\beta)+2i\sin^5(\beta)\cos^5(\beta)+2i\sin^5(\beta)\cos^5(\beta)+2i\sin^5(\beta)\cos^5(\beta)+2i\sin^5(\beta)\cos^5(\beta)+2i\sin^5(\beta)\cos^5(\beta)+2i\sin^5(\beta)\cos^5(\beta)+2i\sin^5(\beta)\cos^5(\beta)+2i\sin^5(\beta)\cos^5(\beta)+2i\sin^5(\beta)\cos^5(\beta)+2i\sin^5(\beta)\cos^5(\beta)+2i\sin^5(\beta)\cos^5(\beta)+2i\sin^5(\beta)\cos^5(\beta)+2i\sin^5(\beta)\cos^5(\beta)+2i\sin^5(\beta)\cos^5(\beta)+2i\sin^5(\beta)\cos^5(\beta)+2i\sin^5(\beta)\cos^5(\beta)+2i\sin^5(\beta)\cos^5(\beta)+2i\sin^5(\beta)\cos^5(\beta)+2i\sin^5(\beta)\cos^5(\beta)+2i\sin^5(\beta)\cos^5(\beta)+2i\sin^5(\beta)\cos^5(\beta)+2i\sin^5(\beta)\cos^5(\beta)+2i\sin^5(\beta)\cos^5(\beta)+2i\sin^5(\beta)\cos^5(\beta)+2i\sin^5(\beta)\cos^5(\beta)+2i\sin^5(\beta)\cos^5(\beta)+2i\sin^5(\beta)\cos^5(\beta)+2i\sin^5(\beta)\cos^5(\beta)+2i\sin^5(\beta)\cos^5(\beta)+2i\sin^5(\beta)\cos^5(\beta)+2i\sin^5(\beta)\cos^5(\beta)+2i\sin^5(\beta)\cos^5(\beta)+2i\sin^5(\beta)\cos^5(\beta)+2i\sin^5(\beta)\cos^5(\beta)+2i\sin^5(\beta)\cos^5(\beta)+2i\sin^5(\beta)\cos^5(\beta)+2i\sin^5(\beta)\cos^5(\beta)+2i\sin^5(\beta)\cos^5(\beta)+2i\sin^5(\beta)\cos^5(\beta)+2i\sin^5(\beta)\cos^5(\beta)+2i\sin^5(\beta)\cos^5(\beta)+2i\sin^5(\beta)\cos^5(\beta)+2i\sin^5(\beta)\cos^5(\beta)+2i\sin^5(\beta)\cos^5(\beta)+2i\sin^5(\beta)\cos^5(\beta)+2i\sin^5(\beta)\cos^5(\beta)+2i\sin^5(\beta)\cos^5(\beta)+2i\sin^5(\beta)\cos^5(\beta)+2i\sin^5(\beta)\cos^5(\beta)+2i\sin^5(\beta)\cos^5(\beta)+2i\sin^5(\beta)\cos^5(\beta)+2i\sin^5(\beta)\cos^5(\beta)+2i\sin^5(\beta)\cos^5(\beta)+2i\sin^5(\beta)\sin^5(\beta)\cos^5(\beta)+2i\sin^5(\beta)\cos^5(\beta)+2i\sin^5(\beta)\cos^5(\beta)+2i\sin^5(\beta)\cos^5(\beta)+2i\sin^5(\beta)\cos^5(\beta)+2i\sin^5(\beta)\cos^5(\beta)+2i\sin^5(\beta)\cos^5(\beta)+2i\sin^5(\beta)\cos^5(\beta)+2i\sin^5(\beta)\cos^5(\beta)+2i\sin^5(\beta)\cos^5(\beta)+2i\sin^5(\beta)\cos^5(\beta)+2i\sin^5(\beta)\cos^5(\beta)+2i\sin^5(\beta)\cos^5(\beta)+2i\sin^5(\beta)\cos^5(\beta)+2i\sin^5(\beta)\cos^2(\beta)\cos^2(\beta)+2i\sin^5(\beta)\cos^2(\beta)\cos^2(\beta)+2i\sin^5(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(
 +e^{-4i\gamma}\left(\cos^{8}(\beta)+2i\sin(\beta)\cos^{7}(\beta)-10\sin^{2}(\beta)\cos^{6}(\beta)-10i\sin^{3}(\beta)\cos^{5}(\beta)+10\sin^{4}(\beta)\cos^{4}(\beta)+10i\sin^{5}(\beta)\cos^{3}(\beta)-10\sin^{2}(\beta)\cos^{6}(\beta)+10i\sin^{4}(\beta)\cos^{4}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)+10i\sin^{5}(\beta)+10i\sin^{5}(\beta)+10i\sin^{5}(\beta)+10i\sin^{5}(\beta)+10i\sin^{5}(\beta)+10i\sin^{5}(\beta)+10i\sin^{5}(\beta)+10i\sin^{5}(\beta)+10i\sin^{5}(\beta)+10i\sin^{5}(\beta)+10i\sin^{5}(\beta)+10i\sin^{5}(
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 $+e^{4i\gamma} \left(2i\sin(\beta)\cos^{7}(\beta)-6i\sin^{3}(\beta)\cos^{5}(\beta)+6i\sin^{5}(\beta)\cos^{3}(\beta)-2i\sin^{7}(\beta)\cos(\beta)\right)\left(5i\sin(\beta)\cos^{7}(\beta)-12\sin^{2}(\beta)\cos^{6}(\beta)-33i\sin^{3}(\beta)\cos^{5}(\beta)+40\sin^{4}(\beta)\cos^{4}(\beta)+33i\sin^{5}(\beta)\cos^{3}(\beta)-12\sin^{6}(\beta)\cos^{2}(\beta)-5i\sin^{7}(\beta)\cos(\beta)+e^{-8i\gamma}\left(i\cos^{3}(\beta)\sin^{5}(\beta)\cos^{5}(\beta)+40\sin^{4}(\beta)\cos^{4}(\beta)+33i\sin^{5}(\beta)\cos^{3}(\beta)-12\sin^{6}(\beta)\cos^{2}(\beta)-5i\sin^{7}(\beta)\cos(\beta)+e^{-8i\gamma}\left(i\cos^{3}(\beta)\sin^{5}(\beta)\cos^{5}(\beta)+3i\sin^{5}(\beta)+3i\sin^{5}(\beta)\cos^{5}(\beta)+3i\sin^{5}(\beta)\cos^{5}(\beta)+3i\sin^{5}(\beta)\cos^{5}(\beta)+3i\sin^{5}$

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\left(\left(i\sin(\beta)\cos^{7}(\beta)-i\sin^{3}(\beta)\cos^{5}(\beta)+i\sin^{5}(\beta)\cos^{3}(\beta)-i\sin^{7}(\beta)\cos(\beta)\right)\left(\cos^{8}(\beta)+8i\sin(\beta)\cos^{7}(\beta)\right)\right)
   -20\sin^{2}(\beta)\cos^{6}(\beta) - 24i\sin^{3}(\beta)\cos^{5}(\beta) + 2e^{-8i\gamma}\sin^{4}(\beta)\cos^{4}(\beta) + 2e^{8i\gamma}\sin^{4}(\beta)\cos^{4}(\beta)
 +34\sin^4(\beta)\cos^4(\beta) + 24i\sin^5(\beta)\cos^3(\beta) - 20\sin^6(\beta)\cos^2(\beta) - 8i\sin^7(\beta)\cos(\beta) + \sin^8(\beta)
+e^{-4i\gamma}\left(-4\sin^2(\beta)\cos^6(\beta)-16i\sin^3(\beta)\cos^5(\beta)+16\sin^4(\beta)\cos^4(\beta)+16i\sin^5(\beta)\cos^3(\beta)-4\sin^6(\beta)\cos^2(\beta)\right)
+e^{4i\gamma}\left(-4\sin^2(\beta)\cos^6(\beta)-16i\sin^3(\beta)\cos^5(\beta)+16\sin^4(\beta)\cos^4(\beta)+16i\sin^5(\beta)\cos^3(\beta)-4\sin^6(\beta)\cos^2(\beta)\right)
 +(\cos^8(\beta) - 10\sin^2(\beta)\cos^6(\beta) + 10\sin^4(\beta)\cos^4(\beta) - 10\sin^6(\beta)\cos^2(\beta) + \sin^8(\beta))(\cos^8(\beta)
 +6i\sin(\beta)\cos^{7}(\beta) - 16\sin^{2}(\beta)\cos^{6}(\beta) - 32i\sin^{3}(\beta)\cos^{5}(\beta) + 30\sin^{4}(\beta)\cos^{4}(\beta)
 +32i\sin^{5}(\beta)\cos^{3}(\beta) - 16\sin^{6}(\beta)\cos^{2}(\beta) - 6i\sin^{7}(\beta)\cos(\beta) + \sin^{8}(\beta)
 +e^{-8i\gamma}\left(i\cos^{3}(\beta)\sin^{5}(\beta)-i\cos^{5}(\beta)\sin^{3}(\beta)\right)+e^{8i\gamma}\left(i\cos^{3}(\beta)\sin^{5}(\beta)-i\cos^{5}(\beta)\sin^{3}(\beta)\right)
+e^{-4i\gamma} \left( i\sin(\beta)\cos^{7}(\beta) - 6\sin^{2}(\beta)\cos^{6}(\beta) - 11i\sin^{3}(\beta)\cos^{5}(\beta) + 20\sin^{4}(\beta)\cos^{4}(\beta) + 11i\sin^{5}(\beta)\cos^{3}(\beta) - 6\sin^{6}(\beta)\cos^{2}(\beta) + 20\sin^{4}(\beta)\cos^{4}(\beta) + 11i\sin^{5}(\beta)\cos^{3}(\beta) - 6\sin^{6}(\beta)\cos^{2}(\beta) + 20\sin^{4}(\beta)\cos^{4}(\beta) + 11i\sin^{5}(\beta)\cos^{3}(\beta) - 6\sin^{6}(\beta)\cos^{2}(\beta) + 20\sin^{4}(\beta)\cos^{4}(\beta) + 11i\sin^{5}(\beta)\cos^{3}(\beta) + 20\sin^{4}(\beta)\cos^{4}(\beta) + 11i\sin^{5}(\beta)\cos^{5}(\beta) + 20\sin^{4}(\beta)\cos^{5}(\beta) + 20\sin^{4}(\beta)\cos^{5}(\beta)
+e^{4i\gamma}\left(i\sin(\beta)\cos^{7}(\beta)-6\sin^{2}(\beta)\cos^{6}(\beta)-11i\sin^{3}(\beta)\cos^{5}(\beta)+20\sin^{4}(\beta)\cos^{4}(\beta)+11i\sin^{5}(\beta)\cos^{3}(\beta)-6\sin^{6}(\beta)\cos^{2}(\beta)-11i\sin^{3}(\beta)\cos^{5}(\beta)+20\sin^{4}(\beta)\cos^{4}(\beta)+11i\sin^{5}(\beta)\cos^{3}(\beta)-6\sin^{6}(\beta)\cos^{2}(\beta)-11i\sin^{3}(\beta)\cos^{5}(\beta)+20\sin^{4}(\beta)\cos^{4}(\beta)+11i\sin^{5}(\beta)\cos^{3}(\beta)-6\sin^{6}(\beta)\cos^{2}(\beta)-11i\sin^{3}(\beta)\cos^{5}(\beta)+20\sin^{4}(\beta)\cos^{4}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+20\sin^{4}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+20\sin^{4}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+20\sin^{4}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+20\sin^{4}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+20\sin^{5}(\beta)\cos^{5}(\beta)+20\sin^{5}(\beta)\cos^{5}(\beta)+20\sin^{5}(\beta)\cos^{5}(\beta)+20\sin^{5}(\beta)\cos^{5}(\beta)+20\sin^{5}(\beta)\cos^{5}(\beta)+20\sin^{5}(\beta)\cos^{5}(\beta)+20\sin^{5}(\beta)\cos^{5}(\beta)+20\sin^{5}(\beta)\cos^{5}(\beta)+20\sin^{5}(\beta)\cos^{5}(\beta)+20\sin^{5}(\beta)\cos^{5}(\beta)+20\sin^{5}(\beta)\cos^{5}(\beta)+20\sin^{5}(\beta)\cos^{5}(\beta)+20\sin^{5}(\beta)\cos^{5}(\beta)+20\sin^{5}(\beta)\cos^{5}(\beta)+20\sin^{5}(\beta)\cos^{5}(\beta)+20\sin^{5}(\beta)\cos^{5}(\beta)+20\sin^{5}(\beta)\cos^{5}(\beta)+20\sin^{5}(\beta)\cos^{5}(\beta)+20\sin^{5}(\beta)\cos^{5}(\beta)+20\sin^{5}(\beta)\cos^{5}(\beta)+20\sin^{5}(\beta)\cos^{5}(\beta)+20\sin^{5}(\beta)\cos^{5}(\beta)+20\sin^{5}(\beta)\cos^{5}(\beta)+20\sin^{5}(\beta)\cos^{5}(\beta)+20\sin^{5}(\beta)\cos^{5}(\beta)+20\sin^{5}(\beta)\cos^{5}(\beta)+20\sin^{5}(\beta)\cos^{5}(\beta)+20\sin^{5}(\beta)\cos^{5}(\beta)+20\sin^{5}(\beta)\cos^{5}(\beta)+20\sin^{5}(\beta)\cos^{5}(\beta)+20\sin^{5}(\beta)\cos^{5}(\beta)+20\sin^{5}(\beta)\cos^{5}(\beta)+20\sin^{5}(\beta)\cos^{5}(\beta)+20\sin^{5}(\beta)\cos^{5}(\beta)+20\sin^{5}(\beta)\cos^{5}(\beta)+20\sin^{5}(\beta)\cos^{5}(\beta)+20\sin^{5}(\beta)\cos^{5}(\beta)+20\sin^{5}(\beta)\cos^{5}(\beta)+20\sin^{5}(\beta)\cos^{5}(\beta)+20\sin^{5}(\beta)\cos^{5}(\beta)+20\sin^{5}(\beta)\cos^{5}(\beta)+20\sin^{5}(\beta)\cos^{5}(\beta)+20\sin^{5}(\beta)\cos^{5}(\beta)+20\sin^{5}(\beta)\cos^{5}(\beta)+20\sin^{5}(\beta)\cos^{5}(\beta)+20\sin^{5}(\beta)\cos^{5}(\beta)+20\sin^{5}(\beta)\cos^{5}(\beta)+20\sin^{5}(\beta)\cos^{5}(\beta)+20\sin^{5}(\beta)\cos^{5}(\beta)+20\sin^{5}(\beta)\cos^{5}(\beta)+20\sin^{5}(\beta)\cos^{5}(\beta)+20\sin^{5}(\beta)\cos^{5}(\beta)+20\sin^{5}(\beta)\cos^{5}(\beta)+20\sin^{5}(\beta)\cos^{5}(\beta)+20\sin^{5}(\beta)\cos^{5}(\beta)+20\sin^{5}(\beta)\cos^{5}(\beta)+20\sin^{5}(\beta)\cos^{5}(\beta)+20\sin^{5}(\beta)\cos^{5}(\beta)+20\sin^{5}(\beta)\cos^{5}(\beta)+20\sin^{5}(\beta)\cos^{5}(\beta)+20\sin^{5}(\beta)\cos^{5}(\beta)+20\sin^{5}(\beta)\cos^{5}(\beta)+20\sin^{5}(\beta)\cos^{5}(\beta)+20\sin^{5}(\beta)\cos^{5}(\beta)+20\sin^{5}(\beta)\cos^{5}(\beta)+20\sin^{5}(\beta)\cos^{5}(\beta)+20\sin^{5}(\beta)\cos^{5}(\beta)+20\sin^{5}(\beta)\cos^{5}(\beta)+20\sin^{5}(\beta)\cos^{5}(\beta)+20\sin^{5}(\beta)\cos^{5}(\beta)+20\sin^{5}(\beta)\cos^{5}(\beta)+20\sin^{5}(\beta)\cos^{5}(\beta)+20\sin^{5}(\beta)\cos^{5}(\beta)+20\sin^{5}(\beta)\cos^{5}(\beta)+20\sin^{5}(\beta)\cos^{5}(\beta)+20\sin^{5}(\beta)\cos^{5}(\beta)+20\sin^{5}(\beta)\cos^{5}(\beta)+20\sin^{5}(\beta)\cos^{5}(\beta)+20\sin^{5}(\beta)+20\sin^{5}(\beta)+20\sin^{5}(\beta)+20\sin^{5}(\beta)+20\sin^{5}(\beta)+20\sin^{5}(\beta)+20\sin^{5}(
+(2i\sin(\beta)\cos^{7}(\beta)-6i\sin^{3}(\beta)\cos^{5}(\beta)+6i\sin^{5}(\beta)\cos^{3}(\beta)-2i\sin^{7}(\beta)\cos(\beta))(\cos^{8}(\beta)+6i\sin(\beta)\cos^{7}(\beta)
 -16\sin^{2}(\beta)\cos^{6}(\beta) - 26i\sin^{3}(\beta)\cos^{5}(\beta) + 2e^{-8i\gamma}\sin^{4}(\beta)\cos^{4}(\beta) + 2e^{8i\gamma}\sin^{4}(\beta)\cos^{4}(\beta) + 42\sin^{4}(\beta)\cos^{4}(\beta)
+26i\sin^{5}(\beta)\cos^{3}(\beta)-16\sin^{6}(\beta)\cos^{2}(\beta)-6i\sin^{7}(\beta)\cos(\beta)+\sin^{8}(\beta)+e^{-4i\gamma}\left(i\sin(\beta)\cos^{7}(\beta)-6\sin^{2}(\beta)\cos^{6}(\beta)-15i\sin^{3}(\beta)\cos^{2}(\beta)+\sin^{8}(\beta)\cos^{2}(\beta)+\sin^{8}(\beta)\cos^{2}(\beta)+\sin^{8}(\beta)\cos^{2}(\beta)+\sin^{8}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)+\sin^{8}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)+\sin^{8}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos
+e^{4i\gamma}\left(i\sin(\beta)\cos^{7}(\beta)-6\sin^{2}(\beta)\cos^{6}(\beta)-15i\sin^{3}(\beta)\cos^{5}(\beta)+12\sin^{4}(\beta)\cos^{4}(\beta)+15i\sin^{5}(\beta)\cos^{3}(\beta)-6\sin^{6}(\beta)\cos^{2}(\beta)-15i\sin^{3}(\beta)\cos^{5}(\beta)+12\sin^{4}(\beta)\cos^{4}(\beta)+15i\sin^{5}(\beta)\cos^{3}(\beta)-6\sin^{6}(\beta)\cos^{2}(\beta)-15i\sin^{4}(\beta)\cos^{5}(\beta)+12\sin^{4}(\beta)\cos^{4}(\beta)+15i\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{4}(\beta)\cos^{5}(\beta)+12\sin^{4}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin
+(-6\sin^2(\beta)\cos^6(\beta)+20\sin^4(\beta)\cos^4(\beta)-6\sin^6(\beta)\cos^2(\beta))(\cos^8(\beta)+4i\sin(\beta)\cos^7(\beta)-12\sin^2(\beta)\cos^6(\beta)-34i\sin^3(\beta)\cos^2(\beta))
 +38\sin^{4}(\beta)\cos^{4}(\beta)+34i\sin^{5}(\beta)\cos^{3}(\beta)-12\sin^{6}(\beta)\cos^{2}(\beta)-4i\sin^{7}(\beta)\cos(\beta)+\sin^{8}(\beta)+e^{-8i\gamma}\left(i\cos^{3}(\beta)\sin^{5}(\beta)-i\cos^{5}(\beta)\sin^{6}(\beta)\cos^{2}(\beta)+34i\sin^{7}(\beta)\cos^{2}(\beta)+34i\sin^{7}(\beta)\cos^{2}(\beta)+34i\sin^{7}(\beta)\cos^{2}(\beta)+34i\sin^{7}(\beta)\cos^{2}(\beta)+34i\sin^{7}(\beta)\cos^{2}(\beta)+34i\sin^{7}(\beta)\cos^{2}(\beta)+34i\sin^{7}(\beta)\cos^{2}(\beta)+34i\sin^{7}(\beta)\cos^{2}(\beta)+34i\sin^{7}(\beta)\cos^{2}(\beta)+34i\sin^{7}(\beta)\cos^{2}(\beta)+34i\sin^{7}(\beta)\cos^{2}(\beta)+34i\sin^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)+34i\sin^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)+34i\sin^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7
+e^{8i\gamma}(i\cos^3(\beta)\sin^5(\beta)-i\cos^5(\beta)\sin^3(\beta))+e^{-4i\gamma}(2i\sin(\beta)\cos^7(\beta)-8\sin^2(\beta)\cos^6(\beta)-10i\sin^3(\beta)\cos^5(\beta)+16\sin^4(\beta)\cos^2(\beta)\sin^3(\beta)\sin^3(\beta)\sin^3(\beta)\cos^2(\beta)\sin^3(\beta)\cos^2(\beta)\sin^3(\beta)\cos^2(\beta)\sin^3(\beta)\cos^2(\beta)\sin^3(\beta)\cos^2(\beta)\sin^3(\beta)\cos^2(\beta)\sin^3(\beta)\cos^2(\beta)\cos^2(\beta)\sin^3(\beta)\cos^2(\beta)\cos^2(\beta)\sin^3(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^
+e^{4i\gamma}(2i\sin(\beta)\cos^{7}(\beta)-8\sin^{2}(\beta)\cos^{6}(\beta)-10i\sin^{3}(\beta)\cos^{5}(\beta)+16\sin^{4}(\beta)\cos^{4}(\beta)+10i\sin^{5}(\beta)\cos^{3}(\beta)-8\sin^{6}(\beta)\cos^{2}(\beta)
 +(i\sin(\beta)\cos^{7}(\beta)-7i\sin^{3}(\beta)\cos^{5}(\beta)+7i\sin^{5}(\beta)\cos^{3}(\beta)-i\sin^{7}(\beta)\cos(\beta))(\cos^{8}(\beta)+4i\sin(\beta)\cos^{7}(\beta)-15\sin^{2}(\beta)\cos^{6}(\beta)
 -28i\sin^{3}(\beta)\cos^{5}(\beta) + 2e^{8i\gamma}\sin^{4}(\beta)\cos^{4}(\beta) + 44\sin^{4}(\beta)\cos^{4}(\beta) + 28i\sin^{5}(\beta)\cos^{3}(\beta) - 15\sin^{6}(\beta)\cos^{2}(\beta) - 4i\sin^{7}(\beta)\cos(\beta)
+\sin^{8}(\beta) + e^{-8i\gamma} \left(-\sin^{2}(\beta)\cos^{6}(\beta) - \sin^{6}(\beta)\cos^{2}(\beta)\right) + e^{4i\gamma} \left(2i\sin(\beta)\cos^{7}(\beta) - 7\sin^{2}(\beta)\cos^{6}(\beta) - 14i\sin^{3}(\beta)\cos^{5}(\beta) + 10\sin^{2}(\beta)\cos^{6}(\beta)\right) + e^{-8i\gamma} \left(-\sin^{2}(\beta)\cos^{6}(\beta) - \sin^{6}(\beta)\cos^{2}(\beta)\right) + e^{4i\gamma} \left(2i\sin(\beta)\cos^{7}(\beta) - 7\sin^{2}(\beta)\cos^{6}(\beta) - 14i\sin^{3}(\beta)\cos^{5}(\beta)\right) + e^{-8i\gamma} \left(-\sin^{2}(\beta)\cos^{6}(\beta) - \sin^{6}(\beta)\cos^{2}(\beta)\right) + e^{4i\gamma} \left(2i\sin(\beta)\cos^{7}(\beta) - 7\sin^{2}(\beta)\cos^{6}(\beta) - 14i\sin^{3}(\beta)\cos^{5}(\beta)\right) + e^{-4i\gamma} \left(2i\sin(\beta)\cos^{7}(\beta) - 7\sin^{2}(\beta)\cos^{6}(\beta)\right) + e^{-4i\gamma} \left(2i\sin(\beta)\cos^{7}(\beta) - 7\sin^{2}(\beta)\cos^{6}(\beta)\right) + e^{-4i\gamma} \left(2i\sin(\beta)\cos^{7}(\beta) - 7\sin^{2}(\beta)\cos^{7}(\beta)\right) + e^{-4i\gamma} \left(2i\sin(\beta)\cos^{7}(\beta) - 7\sin^{2}(\beta)\cos^{7}(\beta)\right) + e^{-4i\gamma} \left(2i\sin(\beta)\cos^{7}(\beta) - 7\sin^{7}(\beta)\cos^{7}(\beta)\right) + e^{-4i\gamma} \left(2i\sin(\beta)\cos^{7}(\beta) - 7\sin^{7}(\beta)\cos^{7}(\beta)\right) + e^{-4i\gamma} \left(2i\sin(\beta)\cos^{7}(\beta) - 7\sin^{7}(\beta)\cos^{7}(\beta)\right) + e^{-4i\gamma} \left(2i\sin(\beta)\cos^{7}(\beta) - 3\sin^{7}(\beta)\cos^{7}(\beta)\right) + e^{-4i\gamma} \left(2i\sin(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\right) + e^{-4i\gamma} \left(2i\sin(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\right) + e^{-4i\gamma} \left(2i\sin(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\right) + e^{-4i\gamma} \left(2i\sin(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\right) + e^{-4i\gamma} \left(2i\sin(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{
 +e^{-4i\gamma}(2i\sin(\beta)\cos^{7}(\beta)-5\sin^{2}(\beta)\cos^{6}(\beta)-14i\sin^{3}(\beta)\cos^{5}(\beta)+14\sin^{4}(\beta)\cos^{4}(\beta)+14i\sin^{5}(\beta)\cos^{3}(\beta)-5\sin^{6}(\beta)\cos^{2}(\beta)
 + (i\sin(\beta)\cos^{7}(\beta) - 7i\sin^{3}(\beta)\cos^{5}(\beta) + 7i\sin^{5}(\beta)\cos^{3}(\beta) - i\sin^{7}(\beta)\cos(\beta)) \left(\cos^{8}(\beta) + 4i\sin(\beta)\cos^{7}(\beta) - 15\sin^{2}(\beta)\cos^{6}(\beta)\right)
 -28i\sin^{3}(\beta)\cos^{5}(\beta) + 2e^{-8i\gamma}\sin^{4}(\beta)\cos^{4}(\beta) + 44\sin^{4}(\beta)\cos^{4}(\beta) + 28i\sin^{5}(\beta)\cos^{3}(\beta) - 15\sin^{6}(\beta)\cos^{2}(\beta) - 4i\sin^{7}(\beta)\cos(\beta)
+\sin^{8}(\beta)+e^{8i\gamma}(-\sin^{2}(\beta)\cos^{6}(\beta)-\sin^{6}(\beta)\cos^{2}(\beta))+e^{-4i\gamma}(2i\sin(\beta)\cos^{7}(\beta)-7\sin^{2}(\beta)\cos^{6}(\beta)-14i\sin^{3}(\beta)\cos^{5}(\beta)+10\sin^{2}(\beta)\cos^{6}(\beta)
+e^{4i\gamma} \left(2i\sin(\beta)\cos^{7}(\beta)-5\sin^{2}(\beta)\cos^{6}(\beta)-14i\sin^{3}(\beta)\cos^{5}(\beta)+14\sin^{4}(\beta)\cos^{4}(\beta)+14i\sin^{5}(\beta)\cos^{3}(\beta)-5\sin^{6}(\beta)\cos^{2}(\beta)-14i\sin^{3}(\beta)\cos^{5}(\beta)+14\sin^{4}(\beta)\cos^{4}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{4}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)+14\sin^{5}(\beta)+14\sin^{5}(\beta)+14\sin^{5}
+(i\sin(\beta)\cos^{7}(\beta)-3i\sin^{3}(\beta)\cos^{5}(\beta)+3i\sin^{5}(\beta)\cos^{3}(\beta)-i\sin^{7}(\beta)\cos(\beta))(\cos^{8}(\beta)+4i\sin(\beta)\cos^{7}(\beta)-18\sin^{2}(\beta)\cos^{6}(\beta)
   -28i\sin^{3}(\beta)\cos^{5}(\beta) + 38\sin^{4}(\beta)\cos^{4}(\beta) + 28i\sin^{5}(\beta)\cos^{3}(\beta) - 18\sin^{6}(\beta)\cos^{2}(\beta) - 4i\sin^{7}(\beta)\cos(\beta) + \sin^{8}(\beta) + e^{-8i\gamma}(-\sin^{2}(\beta)\cos^{2}(\beta) + \sin^{2}(\beta)\cos^{2}(\beta) + \sin^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta) + \sin^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)
+e^{8i\gamma}\left(-\sin^2(\beta)\cos^6(\beta)-\sin^6(\beta)\cos^2(\beta)\right)+e^{-4i\gamma}\left(2i\sin(\beta)\cos^7(\beta)-4\sin^2(\beta)\cos^6(\beta)-14i\sin^3(\beta)\cos^5(\beta)+16\sin^4(\beta)\cos^2(\beta)\right)
+e^{4i\gamma}(2i\sin(\beta)\cos^{7}(\beta)-4\sin^{2}(\beta)\cos^{6}(\beta)-14i\sin^{3}(\beta)\cos^{5}(\beta)+16\sin^{4}(\beta)\cos^{4}(\beta)+14i\sin^{5}(\beta)\cos^{3}(\beta)-4\sin^{6}(\beta)\cos^{2}(\beta)
 +(8i\cos^{3}(\beta)\sin^{5}(\beta)-8i\cos^{5}(\beta)\sin^{3}(\beta))(\cos^{8}(\beta)+2i\sin(\beta)\cos^{7}(\beta)-14\sin^{2}(\beta)\cos^{6}(\beta)-30i\sin^{3}(\beta)\cos^{5}(\beta)+46\sin^{4}(\beta)\cos^{6}(\beta)
+30i\sin^{5}(\beta)\cos^{3}(\beta)-14\sin^{6}(\beta)\cos^{2}(\beta)-2i\sin^{7}(\beta)\cos(\beta)+\sin^{8}(\beta)+e^{-8i\gamma}\left(-\sin^{2}(\beta)\cos^{6}(\beta)-\sin^{6}(\beta)\cos^{2}(\beta)\right)
 +e^{8i\gamma}\left(-\sin^2(\beta)\cos^6(\beta)-\sin^6(\beta)\cos^2(\beta)\right)+e^{-4i\gamma}\left(3i\sin(\beta)\cos^7(\beta)-6\sin^2(\beta)\cos^6(\beta)-13i\sin^3(\beta)\cos^5(\beta)+12\sin^4(\beta)\cos^2(\beta)\right)
 +e^{4i\gamma} \left(3i\sin(\beta)\cos^{7}(\beta)-6\sin^{2}(\beta)\cos^{6}(\beta)-13i\sin^{3}(\beta)\cos^{5}(\beta)+12\sin^{4}(\beta)\cos^{4}(\beta)+13i\sin^{5}(\beta)\cos^{3}(\beta)-6\sin^{6}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)+13i\sin^{2}(\beta)+13i\sin^{2}(\beta)+13i\sin^{2}(\beta)+13i\sin^{2}(\beta)+13i
+e^{-8i\gamma} \left(i\cos^3(\beta)\sin^5(\beta)-i\cos^5(\beta)\sin^3(\beta)\right) \left(-20\sin^2(\beta)\cos^6(\beta)-32i\sin^3(\beta)\cos^5(\beta)+2e^{8i\gamma}\sin^4(\beta)\cos^4(\beta)+36\sin^4(\beta)\cos^4(\beta)\cos^4(\beta)\right)
+32i\sin^{5}(\beta)\cos^{3}(\beta)-20\sin^{6}(\beta)\cos^{2}(\beta)+e^{4i\gamma}\left(-16i\sin^{3}(\beta)\cos^{5}(\beta)+24\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{5}(\beta)\cos^{3}(\beta)\right)+e^{-4i\gamma}\left(8i\sin^{5}(\beta)\cos^{5}(\beta)+24\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{5}(\beta)\cos^{3}(\beta)\right)
 +e^{-8i\gamma}\left(\cos^8(\beta)+\sin^8(\beta)\right)
+e^{8i\gamma}\left(i\cos^{3}(\beta)\sin^{5}(\beta)-i\cos^{5}(\beta)\sin^{3}(\beta)\right)\left(-20\sin^{2}(\beta)\cos^{6}(\beta)-32i\sin^{3}(\beta)\cos^{5}(\beta)+2e^{-8i\gamma}\sin^{4}(\beta)\cos^{4}(\beta)+36\sin^{4}(\beta)\cos^{4}(\beta)+36\sin^{4}(\beta)\cos^{4}(\beta)+36\sin^{4}(\beta)\cos^{4}(\beta)+36\sin^{4}(\beta)\cos^{4}(\beta)+36\sin^{4}(\beta)\cos^{4}(\beta)+36\sin^{4}(\beta)\cos^{4}(\beta)+36\sin^{4}(\beta)\cos^{4}(\beta)+36\sin^{4}(\beta)\cos^{4}(\beta)+36\sin^{4}(\beta)\cos^{4}(\beta)+36\sin^{4}(\beta)\cos^{4}(\beta)+36\sin^{4}(\beta)\cos^{4}(\beta)+36\sin^{4}(\beta)\cos^{4}(\beta)+36\sin^{4}(\beta)\cos^{4}(\beta)+36\sin^{4}(\beta)\cos^{4}(\beta)+36\sin^{4}(\beta)\cos^{4}(\beta)+36\sin^{4}(\beta)\cos^{4}(\beta)+36\sin^{4}(\beta)\cos^{4}(\beta)+36\sin^{4}(\beta)\cos^{4}(\beta)+36\sin^{4}(\beta)\cos^{4}(\beta)+36\sin^{4}(\beta)\cos^{4}(\beta)+36\sin^{4}(\beta)\cos^{4}(\beta)+36\sin^{4}(\beta)\cos^{4}(\beta)+36\sin^{4}(\beta)\cos^{4}(\beta)+36\sin^{4}(\beta)\cos^{4}(\beta)+36\sin^{4}(\beta)\cos^{4}(\beta)+36\sin^{4}(\beta)\cos^{4}(\beta)+36\sin^{4}(\beta)\cos^{4}(\beta)+36\sin^{4}(\beta)\cos^{4}(\beta)+36\sin^{4}(\beta)\cos^{4}(\beta)+36\sin^{4}(\beta)\cos^{4}(\beta)+36\sin^{4}(\beta)\cos^{4}(\beta)+36\sin^{4}(\beta)\cos^{4}(\beta)+36\sin^{4}(\beta)\cos^{4}(\beta)+36\sin^{4}(\beta)\cos^{4}(\beta)+36\sin^{4}(\beta)\cos^{4}(\beta)+36\sin^{4}(\beta)\cos^{4}(\beta)+36\sin^{4}(\beta)\cos^{4}(\beta)+36\sin^{4}(\beta)\cos^{4}(\beta)+36\sin^{4}(\beta)\cos^{4}(\beta)+36\sin^{4}(\beta)\cos^{4}(\beta)+36\sin^{4}(\beta)\cos^{4}(\beta)+36\sin^{4}(\beta)\cos^{4}(\beta)+36\sin^{4}(\beta)\cos^{4}(\beta)+36\sin^{4}(\beta)\cos^{4}(\beta)+36\sin^{4}(\beta)\cos^{4}(\beta)+36\sin^{4}(\beta)\cos^{4}(\beta)+36\sin^{4}(\beta)\cos^{4}(\beta)+36\sin^{4}(\beta)\cos^{4}(\beta)+36\sin^{4}(\beta)\cos^{4}(\beta)+36\sin^{4}(\beta)\cos^{4}(\beta)+36\sin^{4}(\beta)\cos^{4}(\beta)+36\sin^{4}(\beta)\cos^{4}(\beta)+36\sin^{4}(\beta)\cos^{4}(\beta)+36\sin^{4}(\beta)\cos^{4}(\beta)+36\sin^{4}(\beta)\cos^{4}(\beta)+36\sin^{4}(\beta)\cos^{4}(\beta)+36\sin^{4}(\beta)\cos^{4}(\beta)+36\sin^{4}(\beta)\cos^{4}(\beta)+36\sin^{4}(\beta)\cos^{4}(\beta)+36\sin^{4}(\beta)\cos^{4}(\beta)+36\sin^{4}(\beta)\cos^{4}(\beta)+36\sin^{4}(\beta)\cos^{4}(\beta)+36\sin^{4}(\beta)\cos^{4}(\beta)+36\sin^{4}(\beta)\cos^{4}(\beta)+36\sin^{4}(\beta)\cos^{4}(\beta)+36\sin^{4}(\beta)\cos^{4}(\beta)+36\sin^{4}(\beta)\cos^{4}(\beta)+36\sin^{4}(\beta)\cos^{4}(\beta)+36\sin^{4}(\beta)\cos^{4}(\beta)+36\sin^{4}(\beta)\cos^{4}(\beta)+36\sin^{4}(\beta)\cos^{4}(\beta)+36\sin^{4}(\beta)\cos^{4}(\beta)+36\sin^{4}(\beta)\cos^{4}(\beta)+36\sin^{4}(\beta)\cos^{4}(\beta)+36\sin^{4}(\beta)\cos^{4}(\beta)+36\sin^{4}(\beta)\cos^{4}(\beta)+36\sin^{4}(\beta)\cos^{4}(\beta)+36\sin^{4}(\beta)\cos^{4}(\beta)+36\sin^{4}(\beta)\cos^{4}(\beta)+36\sin^{4}(\beta)\cos^{4}(\beta)+36\sin^{4}(\beta)\cos^{4}(\beta)+36\sin^{4}(\beta)\cos^{4}(\beta)+36\sin^{4}(\beta)\cos^{4}(\beta)+36\sin^{4}(\beta)\cos^{4}(\beta)+36\sin^{4}(\beta)\cos^{4}(\beta)+36\sin^{4}(\beta)\cos^{4}(\beta)+36\sin^{4}(\beta)\cos^{4}(\beta)+36\sin^{4}(\beta)\cos^{4}(\beta)+36\sin^{4}(\beta)\cos^{4}(\beta)+36\sin^{4}(\beta)\cos^{4}(\beta)+36\sin^{4}(\beta)\cos^{4}(\beta)+36\sin^{4}(\beta)\cos^{4}(\beta)+36\sin^{4}(\beta)\cos^{4}(\beta)+36\sin^{4}(\beta)\cos^{4}(\beta)+36\sin^{4}(\beta)\cos^{4}(\beta)+36\sin^{4}(\beta)\cos^{4}(\beta)+36\sin^{4}(\beta)\cos^{4}(\beta)+36\sin^{4}(\beta)\cos^{4}(\beta)+36\sin^{4}(\beta)+36\sin^{4}(\beta)+36\sin^{4}(\beta)+36\sin^{4}(\beta)+36\sin^{4}(\beta)+36\sin^{4}(\beta)+3
+32i\sin^{5}(\beta)\cos^{3}(\beta)-20\sin^{6}(\beta)\cos^{2}(\beta)+e^{-4i\gamma}\left(-16i\sin^{3}(\beta)\cos^{5}(\beta)+24\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{5}(\beta)\cos^{3}(\beta)\right)
 +e^{4i\gamma} \left(8i\sin(\beta)\cos^{7}(\beta)-8\sin^{2}(\beta)\cos^{6}(\beta)-8i\sin^{3}(\beta)\cos^{5}(\beta)+8\sin^{4}(\beta)\cos^{4}(\beta)+8i\sin^{5}(\beta)\cos^{3}(\beta)-8\sin^{6}(\beta)\cos^{2}(\beta)-8i\sin^{4}(\beta)\cos^{5}(\beta)+8i\sin^{4}(\beta)\cos^{4}(\beta)+8i\sin^{5}(\beta)\cos^{3}(\beta)-8\sin^{6}(\beta)\cos^{2}(\beta)-8i\sin^{4}(\beta)\cos^{5}(\beta)+8i\sin^{4}(\beta)\cos^{4}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)+8i\sin^{5}(\beta)+8i\sin^{5}(\beta)+8i\sin^{5}(\beta)+8i\sin^{5}(\beta)+8i\sin^{5}(\beta)+8i\sin^{5}(\beta)+8i\sin^{5}(\beta)+8i\sin^{5}(\beta)+8i\sin^{5}(\beta)+8i\sin^{5}(\beta)+8i\sin^{5}(\beta)+8i\sin^{5}(\beta
+e^{8i\gamma}\left(\cos^8(\beta)+\sin^8(\beta)\right)
+e^{-4i\gamma}\left(-3\sin^2(\beta)\cos^6(\beta)+10\sin^4(\beta)\cos^4(\beta)-3\sin^6(\beta)\cos^2(\beta)\right)\left(5i\sin(\beta)\cos^7(\beta)-12\sin^2(\beta)\cos^6(\beta)-33i\sin^3(\beta)\cos^5(\beta)\right)
+40\sin^4(\beta)\cos^4(\beta)+33i\sin^5(\beta)\cos^3(\beta)-12\sin^6(\beta)\cos^2(\beta)-5i\sin^7(\beta)\cos(\beta)+e^{8i\gamma}(i\cos^3(\beta)\sin^5(\beta)-i\cos^5(\beta)\sin^3(\beta))
+e^{4i\gamma}\left(-6\sin^{2}(\beta)\cos^{6}(\beta)-12i\sin^{3}(\beta)\cos^{5}(\beta)+20\sin^{4}(\beta)\cos^{4}(\beta)+12i\sin^{5}(\beta)\cos^{3}(\beta)-6\sin^{6}(\beta)\cos^{2}(\beta)\right)+e^{-8i\gamma}\left(i\cos^{7}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)+12i\sin^{5}(\beta)\cos^{3}(\beta)-6\sin^{6}(\beta)\cos^{2}(\beta)\right)+e^{-8i\gamma}\left(i\cos^{7}(\beta)\cos^{4}(\beta)+12i\sin^{5}(\beta)\cos^{4}(\beta)+12i\sin^{5}(\beta)\cos^{4}(\beta)+12i\sin^{5}(\beta)\cos^{4}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)+12i\sin^{5}(\beta)+12i\sin^{5}(\beta)+12i\sin^{5}(\beta)+12i\sin^{5}(\beta)+12i\sin^{5}(\beta)+12i\sin^{5}(\beta
+e^{-4i\gamma}\left(\cos^{8}(\beta)+2i\sin(\beta)\cos^{7}(\beta)-10\sin^{2}(\beta)\cos^{6}(\beta)-10i\sin^{3}(\beta)\cos^{5}(\beta)+10\sin^{4}(\beta)\cos^{4}(\beta)+10i\sin^{5}(\beta)\cos^{3}(\beta)-10\sin^{2}(\beta)\cos^{6}(\beta)\right)
+e^{4i\gamma}\left(-3\sin^2(\beta)\cos^6(\beta)+10\sin^4(\beta)\cos^4(\beta)-3\sin^6(\beta)\cos^2(\beta)\right)\left(5i\sin(\beta)\cos^7(\beta)-12\sin^2(\beta)\cos^6(\beta)-33i\sin^3(\beta)\cos^5(\beta)\right)
+40 \sin^4(\beta) \cos^4(\beta) + 33 i \sin^5(\beta) \cos^3(\beta) - 12 \sin^6(\beta) \cos^2(\beta) - 5 i \sin^7(\beta) \cos(\beta) + e^{-8 i \gamma} \left( i \cos^3(\beta) \sin^5(\beta) - i \cos^5(\beta) \sin^3(\beta) \right) \cos^2(\beta) + 2 \sin^6(\beta) \cos^2(\beta) \cos^2(\beta) + 2 \sin^6(\beta) \cos^2(\beta) \cos^2
+e^{-4i\gamma}\left(-6\sin^2(\beta)\cos^6(\beta)-12i\sin^3(\beta)\cos^5(\beta)+20\sin^4(\beta)\cos^4(\beta)+12i\sin^5(\beta)\cos^3(\beta)-6\sin^6(\beta)\cos^2(\beta)\right)+e^{8i\gamma}\left(i\cos^7(\beta)\cos^4(\beta)+2\sin^4(\beta)\cos^4(\beta)\cos^4(\beta)+2\sin^4(\beta)\cos^4(\beta)\cos^4(\beta)+3\sin^4(\beta)\cos^4(\beta)\cos^4(\beta)\right)
+e^{4i\gamma}\left(\cos^{8}(\beta)+2i\sin(\beta)\cos^{7}(\beta)-10\sin^{2}(\beta)\cos^{6}(\beta)-10i\sin^{3}(\beta)\cos^{5}(\beta)+10\sin^{4}(\beta)\cos^{4}(\beta)+10i\sin^{5}(\beta)\cos^{3}(\beta)-10\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)+10i\sin^{6}(\beta)+10i\sin^{6}(\beta)+10i\sin^{6}(\beta)+10i\sin^{6}(\beta)+10i\sin^{6}(\beta)+1
+e^{-4i\gamma} \left(-3 \sin ^2(\beta) \cos ^6(\beta)+10 \sin ^4(\beta) \cos ^4(\beta)-3 \sin ^4(\beta) \cos ^2(\beta)\right) \left(4 i \sin (\beta) \cos ^7(\beta)-16 \sin ^2(\beta) \cos ^6(\beta)-34 i \sin ^3(\beta) \cos ^5(\beta)\right)
+32\sin^{4}(\beta)\cos^{4}(\beta)+34i\sin^{5}(\beta)\cos^{3}(\beta)-16\sin^{6}(\beta)\cos^{2}(\beta)-4i\sin^{7}(\beta)\cos(\beta)+e^{-8i\gamma}\left(i\cos^{3}(\beta)\sin^{5}(\beta)-i\cos^{5}(\beta)\sin^{3}(\beta)\right)
 +e^{8i\gamma}\left(i\cos^{3}(\beta)\sin^{5}(\beta)-i\cos^{5}(\beta)\sin^{3}(\beta)\right)+e^{4i\gamma}\left(-4\sin^{2}(\beta)\cos^{6}(\beta)-12i\sin^{3}(\beta)\cos^{5}(\beta)+24\sin^{4}(\beta)\cos^{4}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)+12i\sin^{5}(\beta)+12i\sin^{5}(\beta)+12i\sin^{5}(\beta)+12i\sin^{5}(\beta)+12i\sin^{5}(
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((2i\cos^3(\beta)\sin^5(\beta) - 2i\cos^5(\beta)\sin^3(\beta))(\cos^8(\beta) + 8i\sin(\beta)\cos^7(\beta) - 20\sin^2(\beta)\cos^6(\beta))
    -24i\sin^{3}(\beta)\cos^{5}(\beta) + 2e^{-8i\gamma}\sin^{4}(\beta)\cos^{4}(\beta) + 2e^{8i\gamma}\sin^{4}(\beta)\cos^{4}(\beta) + 34\sin^{4}(\beta)\cos^{4}(\beta)
+24i\sin^{5}(\beta)\cos^{3}(\beta) - 20\sin^{6}(\beta)\cos^{2}(\beta) - 8i\sin^{7}(\beta)\cos(\beta) + \sin^{8}(\beta)
  +e^{-4i\gamma}\left(-4\sin^2(\beta)\cos^6(\beta)-16i\sin^3(\beta)\cos^5(\beta)+16\sin^4(\beta)\cos^4(\beta)+16i\sin^5(\beta)\cos^3(\beta)-4\sin^6(\beta)\cos^2(\beta)\right)
+e^{4i\gamma}\left(-4\sin^2(\beta)\cos^6(\beta)-16i\sin^3(\beta)\cos^5(\beta)+16\sin^4(\beta)\cos^4(\beta)+16i\sin^5(\beta)\cos^3(\beta)-4\sin^6(\beta)\cos^2(\beta)\right)
+(-6\sin^2(\beta)\cos^6(\beta)+20\sin^4(\beta)\cos^4(\beta)-6\sin^6(\beta)\cos^2(\beta))(\cos^8(\beta)+6i\sin(\beta)\cos^7(\beta)-16\sin^2(\beta)\cos^6(\beta)
  -32i\sin^{3}(\beta)\cos^{5}(\beta) + 30\sin^{4}(\beta)\cos^{4}(\beta) + 32i\sin^{5}(\beta)\cos^{3}(\beta) - 16\sin^{6}(\beta)\cos^{2}(\beta) - 6i\sin^{7}(\beta)\cos(\beta)
+\sin^{8}(\beta) + e^{-8i\gamma} \left(i\cos^{3}(\beta)\sin^{5}(\beta) - i\cos^{5}(\beta)\sin^{3}(\beta)\right) + e^{8i\gamma} \left(i\cos^{3}(\beta)\sin^{5}(\beta) - i\cos^{5}(\beta)\sin^{3}(\beta)\right)
+e^{-4i\gamma}(i\sin(\beta)\cos^{7}(\beta)-6\sin^{2}(\beta)\cos^{6}(\beta)-11i\sin^{3}(\beta)\cos^{5}(\beta)+20\sin^{4}(\beta)\cos^{4}(\beta)+11i\sin^{5}(\beta)\cos^{3}(\beta)-6\sin^{6}(\beta)\cos^{2}(\beta)
+e^{4i\gamma} \left( i\sin(\beta)\cos^7(\beta) - 6\sin^2(\beta)\cos^6(\beta) - 11i\sin^3(\beta)\cos^5(\beta) + 20\sin^4(\beta)\cos^4(\beta) + 11i\sin^5(\beta)\cos^3(\beta) - 6\sin^6(\beta)\cos^2(\beta) - 11i\sin^3(\beta)\cos^5(\beta) + 20\sin^4(\beta)\cos^4(\beta) + 11i\sin^5(\beta)\cos^5(\beta) + 20\sin^4(\beta)\cos^5(\beta) + 11i\sin^5(\beta)\cos^5(\beta) + 11i\sin^2(\beta)\cos^2(\beta) + 11i\sin^2(\beta) + 11i\sin^2(\beta)
  + (8i\cos^3(\beta)\sin^5(\beta) - 8i\cos^5(\beta)\sin^3(\beta))(\cos^8(\beta) + 6i\sin(\beta)\cos^7(\beta) - 16\sin^2(\beta)\cos^6(\beta)
  -26i\sin^{3}(\beta)\cos^{5}(\beta) + 2e^{-8i\gamma}\sin^{4}(\beta)\cos^{4}(\beta) + 2e^{8i\gamma}\sin^{4}(\beta)\cos^{4}(\beta) + 42\sin^{4}(\beta)\cos^{4}(\beta)
+26i\sin^{5}(\beta)\cos^{3}(\beta) - 16\sin^{6}(\beta)\cos^{2}(\beta) - 6i\sin^{7}(\beta)\cos(\beta) + \sin^{8}(\beta)
+e^{-4i\gamma}\left(i\sin(\beta)\cos^{7}(\beta)-6\sin^{2}(\beta)\cos^{6}(\beta)-15i\sin^{3}(\beta)\cos^{5}(\beta)+12\sin^{4}(\beta)\cos^{4}(\beta)+15i\sin^{5}(\beta)\cos^{3}(\beta)-6\sin^{6}(\beta)\cos^{2}(\beta)+12\sin^{4}(\beta)\cos^{4}(\beta)+15i\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{4}(\beta)\cos^{5}(\beta)+12\sin^{4}(\beta)\cos^{5}(\beta)+12\sin^{4}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}
+e^{4i\gamma}\left(i\sin(\beta)\cos^{7}(\beta)-6\sin^{2}(\beta)\cos^{6}(\beta)-15i\sin^{3}(\beta)\cos^{5}(\beta)+12\sin^{4}(\beta)\cos^{4}(\beta)+15i\sin^{5}(\beta)\cos^{3}(\beta)-6\sin^{6}(\beta)\cos^{2}(\beta)-15i\sin^{3}(\beta)\cos^{5}(\beta)+12\sin^{4}(\beta)\cos^{4}(\beta)+15i\sin^{5}(\beta)\cos^{3}(\beta)-6\sin^{6}(\beta)\cos^{2}(\beta)-15i\sin^{3}(\beta)\cos^{5}(\beta)+12\sin^{4}(\beta)\cos^{4}(\beta)+15i\sin^{5}(\beta)\cos^{3}(\beta)-6\sin^{6}(\beta)\cos^{2}(\beta)+12\sin^{4}(\beta)\cos^{5}(\beta)+12\sin^{4}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^
+(-6\sin^2(\beta)\cos^6(\beta)+20\sin^4(\beta)\cos^4(\beta)-6\sin^6(\beta)\cos^2(\beta))(\cos^8(\beta)+4i\sin(\beta)\cos^7(\beta)-12\sin^2(\beta)\cos^6(\beta)-34i\sin^3(\beta)\cos^2(\beta))
  +38\sin^{4}(\beta)\cos^{4}(\beta)+34i\sin^{5}(\beta)\cos^{3}(\beta)-12\sin^{6}(\beta)\cos^{2}(\beta)-4i\sin^{7}(\beta)\cos(\beta)+\sin^{8}(\beta)+e^{-8i\gamma}\left(i\cos^{3}(\beta)\sin^{5}(\beta)-i\cos^{5}(\beta)\sin^{2}(\beta)\cos^{2}(\beta)+34i\sin^{2}(\beta)\cos^{2}(\beta)+34i\sin^{2}(\beta)\cos^{2}(\beta)+34i\sin^{2}(\beta)\cos^{2}(\beta)+34i\sin^{2}(\beta)\cos^{2}(\beta)+34i\sin^{2}(\beta)\cos^{2}(\beta)+34i\sin^{2}(\beta)\cos^{2}(\beta)+34i\sin^{2}(\beta)\cos^{2}(\beta)+34i\sin^{2}(\beta)\cos^{2}(\beta)+34i\sin^{2}(\beta)\cos^{2}(\beta)+34i\sin^{2}(\beta)\cos^{2}(\beta)+34i\sin^{2}(\beta)\cos^{2}(\beta)+34i\sin^{2}(\beta)\cos^{2}(\beta)+34i\sin^{2}(\beta)\cos^{2}(\beta)+34i\sin^{2}(\beta)\cos^{2}(\beta)+34i\sin^{2}(\beta)\cos^{2}(\beta)+34i\sin^{2}(\beta)\cos^{2}(\beta)+34i\sin^{2}(\beta)\cos^{2}(\beta)+34i\sin^{2}(\beta)\cos^{2}(\beta)+34i\sin^{2}(\beta)\cos^{2}(\beta)+34i\sin^{2}(\beta)\cos^{2}(\beta)+34i\sin^{2}(\beta)\cos^{2}(\beta)+34i\sin^{2}(\beta)\cos^{2}(\beta)+34i\sin^{2}(\beta)\cos^{2}(\beta)+34i\sin^{2}(\beta)\cos^{2}(\beta)+34i\sin^{2}(\beta)\cos^{2}(\beta)+34i\sin^{2}(\beta)\cos^{2}(\beta)+34i\sin^{2}(\beta)\cos^{2}(\beta)+34i\sin^{2}(\beta)\cos^{2}(\beta)+34i\sin^{2}(\beta)\cos^{2}(\beta)+34i\sin^{2}(\beta)\cos^{2}(\beta)+34i\sin^{2}(\beta)\cos^{2}(\beta)+34i\sin^{2}(\beta)\cos^{2}(\beta)+34i\sin^{2}(\beta)\cos^{2}(\beta)+34i\sin^{2}(\beta)\cos^{2}(\beta)+34i\sin^{2}(\beta)\cos^{2}(\beta)+34i\sin^{2}(\beta)\cos^{2}(\beta)+34i\sin^{2}(\beta)\cos^{2}(\beta)+34i\sin^{2}(\beta)\cos^{2}(\beta)+34i\sin^{2}(\beta)\cos^{2}(\beta)+34i\sin^{2}(\beta)\cos^{2}(\beta)+34i\sin^{2}(\beta)\cos^{2}(\beta)+34i\sin^{2}(\beta)\cos^{2}(\beta)+34i\sin^{2}(\beta)\cos^{2}(\beta)+34i\sin^{2}(\beta)\cos^{2}(\beta)+34i\sin^{2}(\beta)\cos^{2}(\beta)+34i\sin^{2}(\beta)\cos^{2}(\beta)+34i\sin^{2}(\beta)\cos^{2}(\beta)+34i\sin^{2}(\beta)\cos^{2}(\beta)+34i\sin^{2}(\beta)\cos^{2}(\beta)+34i\sin^{2}(\beta)\cos^{2}(\beta)+34i\sin^{2}(\beta)\cos^{2}(\beta)+34i\sin^{2}(\beta)\cos^{2}(\beta)+34i\sin^{2}(\beta)\cos^{2}(\beta)+34i\sin^{2}(\beta)\cos^{2}(\beta)+34i\sin^{2}(\beta)\cos^{2}(\beta)+34i\sin^{2}(\beta)\cos^{2}(\beta)+34i\sin^{2}(\beta)\cos^{2}(\beta)+34i\sin^{2}(\beta)\cos^{2}(\beta)+34i\sin^{2}(\beta)\cos^{2}(\beta)+34i\sin^{2}(\beta)\cos^{2}(\beta)+34i\sin^{2}(\beta)\cos^{2}(\beta)+34i\sin^{2}(\beta)\cos^{2}(\beta)+34i\sin^{2}(\beta)\cos^{2}(\beta)+34i\sin^{2}(\beta)\cos^{2}(\beta)+34i\sin^{2}(\beta)\cos^{2}(\beta)+34i\sin^{2}(\beta)\cos^{2}(\beta)+34i\sin^{2}(\beta)\cos^{2}(\beta)+34i\sin^{2}(\beta)\cos^{2}(\beta)+34i\sin^{2}(\beta)\cos^{2}(\beta)+34i\sin^{2}(\beta)\cos^{2}(\beta)+34i\sin^{2}(\beta)\cos^{2}(\beta)+34i\sin^{2}(\beta)\cos^{2}(\beta)+34i\sin^{2}(\beta)\cos^{2}(\beta)+34i\sin^{2}(\beta)\cos^{2}(\beta)+34i\sin^{2}(\beta)\cos^{2}(\beta)+34i\sin^{2}(\beta)\cos^{2}(\beta)+34i\sin^{2}(\beta)\cos^{2}(\beta)+34i\sin^{2}(\beta)\cos^{2}(\beta)+34i\sin^{2}(\beta)\cos^{2}(\beta)+34i\sin^{2}(\beta)+34i\sin^{2}(\beta)+34i\sin^{2}(\beta)+34i\sin^{2}(\beta)+34i\sin^{2}(\beta)+34i\sin^{2}(\beta)+34i\sin^{2}(\beta)+34i\sin^{2}(\beta)+34i\sin^{2}(\beta)+34i\sin^{2}(\beta)+34i\sin^{2}(\beta)+34i\sin^{2}(\beta)+34i\sin^{2}(\beta)+34i\sin^{2}(\beta)+34i\sin^{2}(\beta)+34i\sin^{2}(\beta)+34i\sin^{2}(\beta)+34i\sin^{2}(\beta)+34i\sin^{2}(\beta)+34i\sin^{2}(\beta)+34i\sin^{2}(\beta)+34i\sin^{2}(\beta)+34i\sin^{2}(\beta)+34i\sin^{2}(\beta)+34i\sin^{2}(\beta)+34i\sin^{2}(\beta)+34i\sin^{2}(\beta)+34i
+e^{8i\gamma}(i\cos^3(\beta)\sin^5(\beta)-i\cos^5(\beta)\sin^3(\beta))+e^{-4i\gamma}(2i\sin(\beta)\cos^7(\beta)-8\sin^2(\beta)\cos^6(\beta)-10i\sin^3(\beta)\cos^5(\beta)+16\sin^4(\beta)\cos^2(\beta)\sin^3(\beta)\sin^3(\beta)\sin^3(\beta)\cos^2(\beta)\sin^3(\beta)\cos^2(\beta)\sin^3(\beta)\cos^2(\beta)\sin^3(\beta)\cos^2(\beta)\sin^3(\beta)\cos^2(\beta)\sin^3(\beta)\cos^2(\beta)\sin^3(\beta)\cos^2(\beta)\cos^2(\beta)\sin^3(\beta)\cos^2(\beta)\cos^2(\beta)\sin^3(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^
+e^{4i\gamma} \left(2i\sin(\beta)\cos^{7}(\beta)-8\sin^{2}(\beta)\cos^{6}(\beta)-10i\sin^{3}(\beta)\cos^{5}(\beta)+16\sin^{4}(\beta)\cos^{4}(\beta)+10i\sin^{5}(\beta)\cos^{3}(\beta)-8\sin^{6}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)+10i\sin^{2}(\beta)+10i\sin^{2}(\beta)+10i\sin^{2}(\beta)+10i\sin^{2}(\beta)+10i\sin^{2}(\beta)+10i\sin^{2}(\beta)+10i\sin^{2}(\beta)+10i\sin^{2}(\beta)+10i\sin^{2}(\beta)+10i
  +(2i\sin(\beta)\cos^{7}(\beta)-6i\sin^{3}(\beta)\cos^{5}(\beta)+6i\sin^{5}(\beta)\cos^{3}(\beta)-2i\sin^{7}(\beta)\cos(\beta))(\cos^{8}(\beta)+4i\sin(\beta)\cos^{7}(\beta)-15\sin^{2}(\beta)\cos^{6}(\beta)
  -28i\sin^{3}(\beta)\cos^{5}(\beta) + 2e^{8i\gamma}\sin^{4}(\beta)\cos^{4}(\beta) + 44\sin^{4}(\beta)\cos^{4}(\beta) + 28i\sin^{5}(\beta)\cos^{3}(\beta) - 15\sin^{6}(\beta)\cos^{2}(\beta) - 4i\sin^{7}(\beta)\cos(\beta)
+\sin^{8}(\beta) + e^{-8i\gamma} \left(-\sin^{2}(\beta)\cos^{6}(\beta) - \sin^{6}(\beta)\cos^{2}(\beta)\right) + e^{4i\gamma} \left(2i\sin(\beta)\cos^{7}(\beta) - 7\sin^{2}(\beta)\cos^{6}(\beta) - 14i\sin^{3}(\beta)\cos^{5}(\beta) + 10\sin^{2}(\beta)\cos^{6}(\beta)\right) + e^{-8i\gamma} \left(-\sin^{2}(\beta)\cos^{6}(\beta) - \sin^{6}(\beta)\cos^{2}(\beta)\right) + e^{4i\gamma} \left(2i\sin(\beta)\cos^{7}(\beta) - 7\sin^{2}(\beta)\cos^{6}(\beta) - 14i\sin^{3}(\beta)\cos^{5}(\beta)\right) + e^{-8i\gamma} \left(-\sin^{2}(\beta)\cos^{6}(\beta) - \sin^{6}(\beta)\cos^{2}(\beta)\right) + e^{4i\gamma} \left(2i\sin(\beta)\cos^{7}(\beta) - 7\sin^{2}(\beta)\cos^{6}(\beta) - 14i\sin^{3}(\beta)\cos^{5}(\beta)\right) + e^{-4i\gamma} \left(2i\sin(\beta)\cos^{7}(\beta) - 7\sin^{2}(\beta)\cos^{6}(\beta)\right) + e^{-4i\gamma} \left(2i\sin(\beta)\cos^{7}(\beta) - 7\sin^{2}(\beta)\cos^{6}(\beta)\right) + e^{-4i\gamma} \left(2i\sin(\beta)\cos^{7}(\beta) - 7\sin^{2}(\beta)\cos^{7}(\beta)\right) + e^{-4i\gamma} \left(2i\sin(\beta)\cos^{7}(\beta) - 7\sin^{2}(\beta)\cos^{7}(\beta)\right) + e^{-4i\gamma} \left(2i\sin(\beta)\cos^{7}(\beta) - 7\sin^{7}(\beta)\cos^{7}(\beta)\right) + e^{-4i\gamma} \left(2i\sin(\beta)\cos^{7}(\beta) - 7\sin^{7}(\beta)\cos^{7}(\beta)\right) + e^{-4i\gamma} \left(2i\sin(\beta)\cos^{7}(\beta) - 7\sin^{7}(\beta)\cos^{7}(\beta)\right) + e^{-4i\gamma} \left(2i\sin(\beta)\cos^{7}(\beta) - 3\sin^{7}(\beta)\cos^{7}(\beta)\right) + e^{-4i\gamma} \left(2i\sin(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\right) + e^{-4i\gamma} \left(2i\sin(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\right) + e^{-4i\gamma} \left(2i\sin(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\right) + e^{-4i\gamma} \left(2i\sin(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\right) + e^{-4i\gamma} \left(2i\sin(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{
+e^{-4i\gamma}(2i\sin(\beta)\cos^{7}(\beta)-5\sin^{2}(\beta)\cos^{6}(\beta)-14i\sin^{3}(\beta)\cos^{5}(\beta)+14\sin^{4}(\beta)\cos^{4}(\beta)+14i\sin^{5}(\beta)\cos^{3}(\beta)-5\sin^{6}(\beta)\cos^{2}(\beta)
+(8i\cos^{3}(\beta)\sin^{5}(\beta)-8i\cos^{5}(\beta)\sin^{3}(\beta))(\cos^{8}(\beta)+4i\sin(\beta)\cos^{7}(\beta)-15\sin^{2}(\beta)\cos^{6}(\beta)-28i\sin^{3}(\beta)\cos^{5}(\beta)+2e^{-8i\gamma}\sin^{4}(\beta)\cos^{5}(\beta)
  +44\sin^4(\beta)\cos^4(\beta)+28i\sin^5(\beta)\cos^3(\beta)-15\sin^6(\beta)\cos^2(\beta)-4i\sin^7(\beta)\cos(\beta)+\sin^8(\beta)+e^{8i\gamma}\left(-\sin^2(\beta)\cos^6(\beta)-\sin^6(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\sin^2(\beta)\cos^2(\beta)\sin^2(\beta)\cos^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta
+e^{-4i\gamma}(2i\sin(\beta)\cos^{7}(\beta)-7\sin^{2}(\beta)\cos^{6}(\beta)-14i\sin^{3}(\beta)\cos^{5}(\beta)+10\sin^{4}(\beta)\cos^{4}(\beta)+14i\sin^{5}(\beta)\cos^{3}(\beta)-7\sin^{6}(\beta)\cos^{2}(\beta)
+e^{4i\gamma}(2i\sin(\beta)\cos^{7}(\beta)-5\sin^{2}(\beta)\cos^{6}(\beta)-14i\sin^{3}(\beta)\cos^{5}(\beta)+14\sin^{4}(\beta)\cos^{4}(\beta)+14i\sin^{5}(\beta)\cos^{3}(\beta)-5\sin^{6}(\beta)\cos^{2}(\beta)
+(i\sin(\beta)\cos^{7}(\beta)-3i\sin^{3}(\beta)\cos^{5}(\beta)+3i\sin^{5}(\beta)\cos^{3}(\beta)-i\sin^{7}(\beta)\cos(\beta))(\cos^{8}(\beta)+4i\sin(\beta)\cos^{7}(\beta)-18\sin^{2}(\beta)\cos^{6}(\beta)
  -28i\sin^{3}(\beta)\cos^{5}(\beta) + 38\sin^{4}(\beta)\cos^{4}(\beta) + 28i\sin^{5}(\beta)\cos^{3}(\beta) - 18\sin^{6}(\beta)\cos^{2}(\beta) - 4i\sin^{7}(\beta)\cos(\beta) + \sin^{8}(\beta) + e^{-8i\gamma}\left(-\sin^{2}(\beta)\cos^{2}(\beta) + \sin^{2}(\beta)\cos^{2}(\beta)\right) + \sin^{4}(\beta)\cos^{4}(\beta) + 28i\sin^{5}(\beta)\cos^{3}(\beta) - 18\sin^{6}(\beta)\cos^{2}(\beta) - 4i\sin^{7}(\beta)\cos(\beta) + \sin^{8}(\beta) + e^{-8i\gamma}\left(-\sin^{2}(\beta)\cos^{2}(\beta) + \sin^{2}(\beta)\cos^{2}(\beta)\right) + \sin^{4}(\beta)\cos^{4}(\beta) + \cos^{4}(\beta)\cos^{4}(\beta) + \cos^{4}(\beta)\cos^{4}(\beta) + \cos^{4}(\beta)\cos^{4}(\beta) + \cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta) + \cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^
+e^{8i\gamma}\left(-\sin^2(\beta)\cos^6(\beta)-\sin^6(\beta)\cos^2(\beta)\right)+e^{-4i\gamma}\left(2i\sin(\beta)\cos^7(\beta)-4\sin^2(\beta)\cos^6(\beta)-14i\sin^3(\beta)\cos^5(\beta)+16\sin^4(\beta)\cos^2(\beta)\right)
+e^{4i\gamma}(2i\sin(\beta)\cos^{7}(\beta)-4\sin^{2}(\beta)\cos^{6}(\beta)-14i\sin^{3}(\beta)\cos^{5}(\beta)+16\sin^{4}(\beta)\cos^{4}(\beta)+14i\sin^{5}(\beta)\cos^{3}(\beta)-4\sin^{6}(\beta)\cos^{2}(\beta)
  +(2i\sin(\beta)\cos^{7}(\beta)-6i\sin^{3}(\beta)\cos^{5}(\beta)+6i\sin^{5}(\beta)\cos^{3}(\beta)-2i\sin^{7}(\beta)\cos(\beta))(\cos^{8}(\beta)+2i\sin(\beta)\cos^{7}(\beta)-14\sin^{2}(\beta)\cos^{6}(\beta)
  -30i\sin^{3}(\beta)\cos^{5}(\beta) + 46\sin^{4}(\beta)\cos^{4}(\beta) + 30i\sin^{5}(\beta)\cos^{3}(\beta) - 14\sin^{6}(\beta)\cos^{2}(\beta) - 2i\sin^{7}(\beta)\cos(\beta) + \sin^{8}(\beta) + e^{-8i\gamma}\left(-\sin^{2}(\beta)\cos^{2}(\beta) + 30i\sin^{2}(\beta)\cos^{2}(\beta)\right) + 30i\sin^{3}(\beta)\cos^{2}(\beta) + 30i\sin^{2}(\beta)\cos^{2}(\beta) + 30i\sin^{2}(\beta) + 3
+e^{8i\gamma}\left(-\sin^2(\beta)\cos^6(\beta)-\sin^6(\beta)\cos^2(\beta)\right)+e^{-4i\gamma}\left(3i\sin(\beta)\cos^7(\beta)-6\sin^2(\beta)\cos^6(\beta)-13i\sin^3(\beta)\cos^5(\beta)+12\sin^4(\beta)\cos^2(\beta)\right)
  +e^{4i\gamma}\left(3i\sin(\beta)\cos^{7}(\beta)-6\sin^{2}(\beta)\cos^{6}(\beta)-13i\sin^{3}(\beta)\cos^{5}(\beta)+12\sin^{4}(\beta)\cos^{4}(\beta)+13i\sin^{5}(\beta)\cos^{3}(\beta)-6\sin^{6}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)+13i\sin^{2}(\beta)+13i\sin^{2}(\beta)+13i\sin^{2}(\beta)+13i\sin^{2}(\beta)+13i\sin
+e^{-8i\gamma}(i\cos^7(\beta)\sin(\beta)-i\cos(\beta)\sin^7(\beta))(-20\sin^2(\beta)\cos^6(\beta)-32i\sin^3(\beta)\cos^5(\beta)+2e^{8i\gamma}\sin^4(\beta)\cos^4(\beta)+36\sin^4(\beta)\cos^4(\beta)\sin^4(\beta)\cos^4(\beta)\sin^4(\beta)\cos^4(\beta)\sin^4(\beta)\cos^4(\beta)\sin^4(\beta)\cos^4(\beta)\sin^4(\beta)\cos^4(\beta)\sin^4(\beta)\cos^4(\beta)\sin^4(\beta)\cos^4(\beta)\sin^4(\beta)\cos^4(\beta)\sin^4(\beta)\cos^4(\beta)\sin^4(\beta)\cos^4(\beta)\sin^4(\beta)\cos^4(\beta)\cos^4(\beta)\sin^4(\beta)\cos^4(\beta)\sin^4(\beta)\cos^4(\beta)\sin^4(\beta)\cos^4(\beta)\cos^4(\beta)\sin^4(\beta)\cos^4(\beta)\cos^4(\beta)\sin^4(\beta)\cos^4(\beta)\cos^4(\beta)\sin^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(\beta)\cos^4(
  +32i\sin^{5}(\beta)\cos^{3}(\beta)-20\sin^{6}(\beta)\cos^{2}(\beta)+e^{4i\gamma}\left(-16i\sin^{3}(\beta)\cos^{5}(\beta)+24\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{5}(\beta)\cos^{3}(\beta)\right)+e^{-4i\gamma}\left(8i\sin^{3}(\beta)\cos^{5}(\beta)+24\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{5}(\beta)\cos^{3}(\beta)\right)
  +e^{-8i\gamma}\left(\cos^8(\beta)+\sin^8(\beta)\right)
  +e^{8i\gamma}\left(i\cos^{3}(\beta)\sin^{5}(\beta)-i\cos^{5}(\beta)\sin^{3}(\beta)\right)\left(-20\sin^{2}(\beta)\cos^{6}(\beta)-32i\sin^{3}(\beta)\cos^{5}(\beta)+2e^{-8i\gamma}\sin^{4}(\beta)\cos^{4}(\beta)+36\sin^{4}(\beta)\cos^{4}(\beta)\sin^{2}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta
+32i\sin^{5}(\beta)\cos^{3}(\beta)-20\sin^{6}(\beta)\cos^{2}(\beta)+e^{-4i\gamma}\left(-16i\sin^{3}(\beta)\cos^{5}(\beta)+24\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{5}(\beta)\cos^{3}(\beta)\right)
+e^{4i\gamma}(8i\sin(\beta)\cos^{7}(\beta)-8\sin^{2}(\beta)\cos^{6}(\beta)-8i\sin^{3}(\beta)\cos^{5}(\beta)+8\sin^{4}(\beta)\cos^{4}(\beta)+8i\sin^{5}(\beta)\cos^{3}(\beta)-8\sin^{6}(\beta)\cos^{2}(\beta)-8i\sin^{4}(\beta)\cos^{5}(\beta)
  +e^{8i\gamma}\left(\cos^8(\beta)+\sin^8(\beta)\right)
  +e^{-4i\gamma}\left(\cos^{8}(\beta)-7\sin^{2}(\beta)\cos^{6}(\beta)-7\sin^{6}(\beta)\cos^{2}(\beta)+\sin^{8}(\beta)\right)\left(5i\sin(\beta)\cos^{7}(\beta)-12\sin^{2}(\beta)\cos^{6}(\beta)-33i\sin^{3}(\beta)\cos^{5}(\beta)\right)
+40\sin^{4}(\beta)\cos^{4}(\beta)+33i\sin^{5}(\beta)\cos^{3}(\beta)-12\sin^{6}(\beta)\cos^{2}(\beta)-5i\sin^{7}(\beta)\cos(\beta)+e^{8i\gamma}\left(i\cos^{3}(\beta)\sin^{5}(\beta)-i\cos^{5}(\beta)\sin^{3}(\beta)\right)
+e^{4i\gamma}\left(-6\sin^{2}(\beta)\cos^{6}(\beta)-12i\sin^{3}(\beta)\cos^{5}(\beta)+20\sin^{4}(\beta)\cos^{4}(\beta)+12i\sin^{5}(\beta)\cos^{3}(\beta)-6\sin^{6}(\beta)\cos^{2}(\beta)\right)+e^{-8i\gamma}\left(i\cos^{7}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)+12i\sin^{5}(\beta)\cos^{3}(\beta)-6\sin^{6}(\beta)\cos^{2}(\beta)\right)+e^{-8i\gamma}\left(i\cos^{7}(\beta)\cos^{4}(\beta)+12i\sin^{5}(\beta)\cos^{4}(\beta)+12i\sin^{5}(\beta)\cos^{4}(\beta)+12i\sin^{5}(\beta)\cos^{4}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)+12i\sin^{5}(\beta)+12i\sin^{5}(\beta)+12i\sin^{5}(\beta)+12i\sin^{5}(\beta)+12i\sin^{5}(\beta)+12i\sin^{5}(\beta
  +e^{-4i\gamma}(\cos^8(\beta)+2i\sin(\beta)\cos^7(\beta)-10\sin^2(\beta)\cos^6(\beta)-10i\sin^3(\beta)\cos^5(\beta)+10\sin^4(\beta)\cos^4(\beta)+10i\sin^5(\beta)\cos^3(\beta)-10\sin^2(\beta)\cos^6(\beta)
+e^{4i\gamma}\left(-3\sin^2(\beta)\cos^6(\beta)+10\sin^4(\beta)\cos^4(\beta)-3\sin^6(\beta)\cos^2(\beta)\right)\left(5i\sin(\beta)\cos^7(\beta)-12\sin^2(\beta)\cos^6(\beta)-33i\sin^3(\beta)\cos^5(\beta)\right)
+40\sin^4(\beta)\cos^4(\beta)+33i\sin^5(\beta)\cos^3(\beta)-12\sin^6(\beta)\cos^2(\beta)-5i\sin^7(\beta)\cos(\beta)+e^{-8i\gamma}(i\cos^3(\beta)\sin^5(\beta)-i\cos^5(\beta)\sin^3(\beta))
  +e^{-4i\gamma}\left(-6\sin^2(\beta)\cos^6(\beta)-12i\sin^3(\beta)\cos^5(\beta)+20\sin^4(\beta)\cos^4(\beta)+12i\sin^5(\beta)\cos^3(\beta)-6\sin^6(\beta)\cos^2(\beta)\right)+e^{8i\gamma}\left(i\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos
+e^{4i\gamma}\left(\cos^{8}(\beta)+2i\sin(\beta)\cos^{7}(\beta)-10\sin^{2}(\beta)\cos^{6}(\beta)-10i\sin^{3}(\beta)\cos^{5}(\beta)+10\sin^{4}(\beta)\cos^{4}(\beta)+10i\sin^{5}(\beta)\cos^{3}(\beta)-10\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)+10i\sin^{6}(\beta)+10i\sin^{6}(\beta)+10i\sin^{6}(\beta)+10i\sin^{6}(\beta)+10i\sin^{6}(\beta)+1
  +e^{-4i\gamma}\left(-3\sin^2(\beta)\cos^6(\beta)+10\sin^4(\beta)\cos^4(\beta)-3\sin^6(\beta)\cos^2(\beta)\right)\left(4i\sin(\beta)\cos^7(\beta)-16\sin^2(\beta)\cos^6(\beta)-34i\sin^3(\beta)\cos^5(\beta)\right)
  +32\sin^{4}(\beta)\cos^{4}(\beta)+34i\sin^{5}(\beta)\cos^{3}(\beta)-16\sin^{6}(\beta)\cos^{2}(\beta)-4i\sin^{7}(\beta)\cos(\beta)+e^{-8i\gamma}\left(i\cos^{3}(\beta)\sin^{5}(\beta)-i\cos^{5}(\beta)\sin^{3}(\beta)\right)
  +e^{8i\gamma}\left(i\cos^{3}(\beta)\sin^{5}(\beta)-i\cos^{5}(\beta)\sin^{3}(\beta)\right)+e^{4i\gamma}\left(-4\sin^{2}(\beta)\cos^{6}(\beta)-12i\sin^{3}(\beta)\cos^{5}(\beta)+24\sin^{4}(\beta)\cos^{4}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)+12i\sin^{5}(\beta)+12i\sin^{5}(\beta)+12i\sin^{5}(\beta)+12i\sin^{5}(\beta)+12i\sin^{5}(\beta)+12i\sin^{5}(\beta)+12i\sin^
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(2e^{8i\gamma}\cos^4(\beta)(-20\sin^2(\beta)\cos^6(\beta)-32i\sin^3(\beta)\cos^5(\beta)+2e^{-8i\gamma}\sin^4(\beta)\cos^4(\beta)
  +36\sin^4(\beta)\cos^4(\beta) + 32i\sin^5(\beta)\cos^3(\beta) - 20\sin^6(\beta)\cos^2(\beta)
+e^{-4i\gamma}\left(-16i\sin^3(\beta)\cos^5(\beta)+24\sin^4(\beta)\cos^4(\beta)+16i\sin^5(\beta)\cos^3(\beta)\right)
+e^{4i\gamma} \left(8i\sin(\beta)\cos^{7}(\beta)-8\sin^{2}(\beta)\cos^{6}(\beta)-8i\sin^{3}(\beta)\cos^{5}(\beta)+8\sin^{4}(\beta)\cos^{4}(\beta)+8i\sin^{5}(\beta)\cos^{3}(\beta)-8\sin^{6}(\beta)\cos^{2}(\beta)-8i\sin^{4}(\beta)\cos^{5}(\beta)+8i\sin^{4}(\beta)\cos^{4}(\beta)+8i\sin^{5}(\beta)\cos^{3}(\beta)-8\sin^{6}(\beta)\cos^{2}(\beta)-8i\sin^{4}(\beta)\cos^{5}(\beta)+8i\sin^{4}(\beta)\cos^{4}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)+8i\sin^{5}(\beta)+8i\sin^{5}(\beta)+8i\sin^{5}(\beta)+8i\sin^{5}(\beta)+8i\sin^{5}(\beta)+8i\sin^{5}(\beta)+8i\sin^{5}(\beta)+8i\sin^{5}(\beta)+8i\sin^{5}(\beta)+8i\sin^{5}(\beta)+8i\sin^{5}(\beta)+8i\sin^{5}(\beta
  +e^{8i\gamma}\left(\cos^{8}(\beta)+\sin^{8}(\beta)\right)\sin^{4}(\beta)+\left(-\sin^{2}(\beta)\cos^{6}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)-\sin^{6}(\beta)\cos^{2}(\beta)\right)\left(\cos^{8}(\beta)+\sin^{8}(\beta)\cos^{4}(\beta)+\sin^{8}(\beta)\cos^{4}(\beta)+\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\right)
+8i\sin(\beta)\cos^{7}(\beta) - 20\sin^{2}(\beta)\cos^{6}(\beta) - 24i\sin^{3}(\beta)\cos^{5}(\beta) + 2e^{-8i\gamma}\sin^{4}(\beta)\cos^{4}(\beta) + 2e^{8i\gamma}\sin^{4}(\beta)\cos^{4}(\beta)
  +34\sin^4(\beta)\cos^4(\beta) + 24i\sin^5(\beta)\cos^3(\beta) - 20\sin^6(\beta)\cos^2(\beta) - 8i\sin^7(\beta)\cos(\beta) + \sin^8(\beta)
+e^{-4i\gamma}\left(-4\sin^2(\beta)\cos^6(\beta)-16i\sin^3(\beta)\cos^5(\beta)+16\sin^4(\beta)\cos^4(\beta)+16i\sin^5(\beta)\cos^3(\beta)-4\sin^6(\beta)\cos^2(\beta)\right)
+e^{4i\gamma}\left(-4\sin^2(\beta)\cos^6(\beta)-16i\sin^3(\beta)\cos^5(\beta)+16\sin^4(\beta)\cos^4(\beta)+16i\sin^5(\beta)\cos^3(\beta)-4\sin^6(\beta)\cos^2(\beta)\right)
+ (2i\sin(\beta)\cos^7(\beta) - 14i\sin^3(\beta)\cos^5(\beta) + 14i\sin^5(\beta)\cos^3(\beta) - 2i\sin^7(\beta)\cos(\beta))(\cos^8(\beta)
  +6i\sin(\beta)\cos^{7}(\beta) - 16\sin^{2}(\beta)\cos^{6}(\beta) - 32i\sin^{3}(\beta)\cos^{5}(\beta) + 30\sin^{4}(\beta)\cos^{4}(\beta) + 32i\sin^{5}(\beta)\cos^{3}(\beta)
    -16\sin^{6}(\beta)\cos^{2}(\beta) - 6i\sin^{7}(\beta)\cos(\beta) + \sin^{8}(\beta) + e^{-8i\gamma}\left(i\cos^{3}(\beta)\sin^{5}(\beta) - i\cos^{5}(\beta)\sin^{3}(\beta)\right)
+e^{8i\gamma}\left(i\cos^{3}(\beta)\sin^{5}(\beta)-i\cos^{5}(\beta)\sin^{3}(\beta)\right)+e^{-4i\gamma}\left(i\sin(\beta)\cos^{7}(\beta)-6\sin^{2}(\beta)\cos^{6}(\beta)-11i\sin^{3}(\beta)\cos^{5}(\beta)+20\sin^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4
+e^{4i\gamma}\left(i\sin(\beta)\cos^{7}(\beta)-6\sin^{2}(\beta)\cos^{6}(\beta)-11i\sin^{3}(\beta)\cos^{5}(\beta)+20\sin^{4}(\beta)\cos^{4}(\beta)+11i\sin^{5}(\beta)\cos^{3}(\beta)-6\sin^{6}(\beta)\cos^{2}(\beta)-11i\sin^{3}(\beta)\cos^{5}(\beta)+20\sin^{4}(\beta)\cos^{4}(\beta)+11i\sin^{5}(\beta)\cos^{3}(\beta)-6\sin^{6}(\beta)\cos^{2}(\beta)-11i\sin^{3}(\beta)\cos^{5}(\beta)+20\sin^{4}(\beta)\cos^{4}(\beta)+11i\sin^{5}(\beta)\cos^{3}(\beta)-6\sin^{6}(\beta)\cos^{2}(\beta)-11i\sin^{3}(\beta)\cos^{5}(\beta)+20\sin^{4}(\beta)\cos^{4}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+20\sin^{4}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)+11i\sin^{5}(\beta)+11i\sin^{5}(\beta)+11i\sin^{5}(\beta)+11i\sin^{5}(\beta)+11i\sin^{5}(\beta)+11i\sin^{5}(\beta)+11i\sin^{5}(\beta)+11i\sin^{5}(
+(-4\sin^2(\beta)\cos^6(\beta)+8\sin^4(\beta)\cos^4(\beta)-4\sin^6(\beta)\cos^2(\beta))(\cos^8(\beta)+6i\sin(\beta)\cos^7(\beta)-16\sin^2(\beta)\cos^6(\beta)-26i\sin^3(\beta)\cos^2(\beta))
  +2e^{-8i\gamma}\sin^4(\beta)\cos^4(\beta)+2e^{8i\gamma}\sin^4(\beta)\cos^4(\beta)+42\sin^4(\beta)\cos^4(\beta)+26i\sin^5(\beta)\cos^3(\beta)-16\sin^6(\beta)\cos^2(\beta)-6i\sin^7(\beta)\cos^2(\beta)
+\sin^{8}(\beta) + e^{-4i\gamma} \left( i\sin(\beta)\cos^{7}(\beta) - 6\sin^{2}(\beta)\cos^{6}(\beta) - 15i\sin^{3}(\beta)\cos^{5}(\beta) + 12\sin^{4}(\beta)\cos^{4}(\beta) + 15i\sin^{5}(\beta)\cos^{3}(\beta) - 6\sin^{6}(\beta)\cos^{6}(\beta) + 15i\sin^{6}(\beta)\cos^{6}(\beta) + 15i\sin^{6}(\beta) + 15i
+e^{4i\gamma}\left(i\sin(\beta)\cos^{7}(\beta)-6\sin^{2}(\beta)\cos^{6}(\beta)-15i\sin^{3}(\beta)\cos^{5}(\beta)+12\sin^{4}(\beta)\cos^{4}(\beta)+15i\sin^{5}(\beta)\cos^{3}(\beta)-6\sin^{6}(\beta)\cos^{2}(\beta)-15i\sin^{3}(\beta)\cos^{5}(\beta)+12\sin^{4}(\beta)\cos^{4}(\beta)+15i\sin^{5}(\beta)\cos^{3}(\beta)-6\sin^{6}(\beta)\cos^{2}(\beta)-15i\sin^{4}(\beta)\cos^{5}(\beta)+12\sin^{4}(\beta)\cos^{4}(\beta)+15i\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{4}(\beta)\cos^{5}(\beta)+12\sin^{4}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin
+(2i\sin(\beta)\cos^{7}(\beta)-14i\sin^{3}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{3}(\beta)-2i\sin^{7}(\beta)\cos(\beta))(\cos^{8}(\beta)+4i\sin(\beta)\cos^{7}(\beta)-12\sin^{2}(\beta)\cos^{2}(\beta)
  -34i\sin^{3}(\beta)\cos^{5}(\beta) + 38\sin^{4}(\beta)\cos^{4}(\beta) + 34i\sin^{5}(\beta)\cos^{3}(\beta) - 12\sin^{6}(\beta)\cos^{2}(\beta) - 4i\sin^{7}(\beta)\cos(\beta) + \sin^{8}(\beta) + e^{-8i\gamma}(i\cos^{3}(\beta)\cos^{3}(\beta) + \sin^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta) + \sin^{4}(\beta)\cos^{3}(\beta) + \sin^{4}(\beta)\cos^{4}(\beta) + \sin^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta) + \sin^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta) + \sin^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta) + \sin^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(
+e^{8i\gamma}(i\cos^3(\beta)\sin^5(\beta)-i\cos^5(\beta)\sin^3(\beta))+e^{-4i\gamma}(2i\sin(\beta)\cos^7(\beta)-8\sin^2(\beta)\cos^6(\beta)-10i\sin^3(\beta)\cos^5(\beta)+16\sin^4(\beta)\cos^2(\beta)\sin^3(\beta)\sin^3(\beta)\sin^3(\beta)\cos^3(\beta)\sin^3(\beta)\cos^3(\beta)\sin^3(\beta)\cos^3(\beta)\sin^3(\beta)\cos^3(\beta)\sin^3(\beta)\cos^3(\beta)\sin^3(\beta)\cos^3(\beta)\sin^3(\beta)\cos^3(\beta)\cos^3(\beta)\sin^3(\beta)\cos^3(\beta)\cos^3(\beta)\sin^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^
+e^{4i\gamma}\left(2i\sin(\beta)\cos^{7}(\beta)-8\sin^{2}(\beta)\cos^{6}(\beta)-10i\sin^{3}(\beta)\cos^{5}(\beta)+16\sin^{4}(\beta)\cos^{4}(\beta)+10i\sin^{5}(\beta)\cos^{3}(\beta)-8\sin^{6}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)+10i\sin^{2}(\beta)+10i\sin^{2}(\beta)+10i\sin^{2}(\beta)+10i\sin^{2}(\beta)+10i\sin
  +(\cos^{8}(\beta)-2\sin^{2}(\beta)\cos^{6}(\beta)+10\sin^{4}(\beta)\cos^{4}(\beta)-2\sin^{6}(\beta)\cos^{2}(\beta)+\sin^{8}(\beta))(\cos^{8}(\beta)+4i\sin(\beta)\cos^{7}(\beta)-15\sin^{2}(\beta)\cos^{6}(\beta)
  -28i\sin^{3}(\beta)\cos^{5}(\beta) + 2e^{8i\gamma}\sin^{4}(\beta)\cos^{4}(\beta) + 44\sin^{4}(\beta)\cos^{4}(\beta) + 28i\sin^{5}(\beta)\cos^{3}(\beta) - 15\sin^{6}(\beta)\cos^{2}(\beta) - 4i\sin^{7}(\beta)\cos(\beta)
+\sin^{8}(\beta) + e^{-8i\gamma} \left(-\sin^{2}(\beta)\cos^{6}(\beta) - \sin^{6}(\beta)\cos^{2}(\beta)\right) + e^{4i\gamma} \left(2i\sin(\beta)\cos^{7}(\beta) - 7\sin^{2}(\beta)\cos^{6}(\beta) - 14i\sin^{3}(\beta)\cos^{5}(\beta) + 10\sin^{2}(\beta)\cos^{6}(\beta)\right) + e^{-8i\gamma} \left(-\sin^{2}(\beta)\cos^{6}(\beta) - \sin^{6}(\beta)\cos^{2}(\beta)\right) + e^{4i\gamma} \left(2i\sin(\beta)\cos^{7}(\beta) - 7\sin^{2}(\beta)\cos^{6}(\beta) - 14i\sin^{3}(\beta)\cos^{5}(\beta)\right) + e^{-8i\gamma} \left(-\sin^{2}(\beta)\cos^{6}(\beta) - \sin^{6}(\beta)\cos^{2}(\beta)\right) + e^{4i\gamma} \left(2i\sin(\beta)\cos^{7}(\beta) - 7\sin^{2}(\beta)\cos^{6}(\beta) - 14i\sin^{3}(\beta)\cos^{5}(\beta)\right) + e^{-4i\gamma} \left(2i\sin(\beta)\cos^{7}(\beta) - 7\sin^{2}(\beta)\cos^{6}(\beta)\right) + e^{-4i\gamma} \left(2i\sin(\beta)\cos^{7}(\beta) - 7\sin^{2}(\beta)\cos^{6}(\beta)\right) + e^{-4i\gamma} \left(2i\sin(\beta)\cos^{7}(\beta) - 7\sin^{2}(\beta)\cos^{7}(\beta)\right) + e^{-4i\gamma} \left(2i\sin(\beta)\cos^{7}(\beta) - 7\sin^{2}(\beta)\cos^{7}(\beta)\right) + e^{-4i\gamma} \left(2i\sin(\beta)\cos^{7}(\beta) - 7\sin^{7}(\beta)\cos^{7}(\beta)\right) + e^{-4i\gamma} \left(2i\sin(\beta)\cos^{7}(\beta) - 7\sin^{7}(\beta)\cos^{7}(\beta)\right) + e^{-4i\gamma} \left(2i\sin(\beta)\cos^{7}(\beta) - 7\sin^{7}(\beta)\cos^{7}(\beta)\right) + e^{-4i\gamma} \left(2i\sin(\beta)\cos^{7}(\beta) - 3\sin^{7}(\beta)\cos^{7}(\beta)\right) + e^{-4i\gamma} \left(2i\sin(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\right) + e^{-4i\gamma} \left(2i\sin(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\right) + e^{-4i\gamma} \left(2i\sin(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\right) + e^{-4i\gamma} \left(2i\sin(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\right) + e^{-4i\gamma} \left(2i\sin(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{
+e^{-4i\gamma}\left(2i\sin(\beta)\cos^{7}(\beta)-5\sin^{2}(\beta)\cos^{6}(\beta)-14i\sin^{3}(\beta)\cos^{5}(\beta)+14\sin^{4}(\beta)\cos^{4}(\beta)+14i\sin^{5}(\beta)\cos^{3}(\beta)-5\sin^{6}(\beta)\cos^{2}(\beta)\right)
+(-2\sin^2(\beta)\cos^6(\beta)+12\sin^4(\beta)\cos^4(\beta)-2\sin^6(\beta)\cos^2(\beta))(\cos^8(\beta)+4i\sin(\beta)\cos^7(\beta)-15\sin^2(\beta)\cos^6(\beta)-28i\sin^3(\beta)\cos^2(\beta))
  +2e^{-8i\gamma}\sin^{4}(\beta)\cos^{4}(\beta)+44\sin^{4}(\beta)\cos^{4}(\beta)+28i\sin^{5}(\beta)\cos^{3}(\beta)-15\sin^{6}(\beta)\cos^{2}(\beta)-4i\sin^{7}(\beta)\cos(\beta)+\sin^{8}(\beta)
+e^{8i\gamma}\left(-\sin^2(\beta)\cos^6(\beta)-\sin^6(\beta)\cos^2(\beta)\right)+e^{-4i\gamma}\left(2i\sin(\beta)\cos^7(\beta)-7\sin^2(\beta)\cos^6(\beta)-14i\sin^3(\beta)\cos^5(\beta)+10\sin^4(\beta)\cos^2(\beta)\right)+e^{-4i\gamma}\left(2i\sin(\beta)\cos^7(\beta)-7\sin^2(\beta)\cos^6(\beta)-14i\sin^3(\beta)\cos^5(\beta)+10\sin^4(\beta)\cos^2(\beta)\right)+e^{-4i\gamma}\left(2i\sin(\beta)\cos^7(\beta)-7\sin^2(\beta)\cos^6(\beta)-14i\sin^3(\beta)\cos^5(\beta)+10\sin^4(\beta)\cos^2(\beta)\right)+e^{-4i\gamma}\left(2i\sin(\beta)\cos^7(\beta)-7\sin^2(\beta)\cos^6(\beta)-14i\sin^3(\beta)\cos^5(\beta)+10\sin^4(\beta)\cos^5(\beta)\right)+e^{-4i\gamma}\left(2i\sin(\beta)\cos^7(\beta)-7\sin^2(\beta)\cos^6(\beta)-14i\sin^3(\beta)\cos^5(\beta)+10\sin^4(\beta)\cos^5(\beta)\right)+e^{-4i\gamma}\left(2i\sin(\beta)\cos^7(\beta)-7\sin^2(\beta)\cos^5(\beta)+10\sin^4(\beta)\cos^5(\beta)\right)+e^{-4i\gamma}\left(2i\sin(\beta)\cos^7(\beta)-7\sin^2(\beta)\cos^5(\beta)\right)+e^{-4i\gamma}\left(2i\sin(\beta)\cos^7(\beta)-7\sin^2(\beta)\cos^5(\beta)\right)+e^{-4i\gamma}\left(2i\sin(\beta)\cos^7(\beta)-7\sin^2(\beta)\cos^2(\beta)\right)+e^{-4i\gamma}\left(2i\sin(\beta)\cos^7(\beta)-7\sin^2(\beta)\cos^7(\beta)\right)+e^{-4i\gamma}\left(2i\sin(\beta)\cos^7(\beta)-7\sin^2(\beta)\cos^7(\beta)\right)+e^{-4i\gamma}\left(2i\sin(\beta)\cos^7(\beta)-7\sin^2(\beta)\cos^7(\beta)\right)+e^{-4i\gamma}\left(2i\sin(\beta)\cos^7(\beta)-7\sin^2(\beta)\cos^7(\beta)\right)+e^{-4i\gamma}\left(2i\sin(\beta)\cos^7(\beta)-7\sin^2(\beta)\cos^7(\beta)\right)+e^{-4i\gamma}\left(2i\sin(\beta)\cos^7(\beta)-7\sin^2(\beta)\cos^7(\beta)\right)+e^{-4i\gamma}\left(2i\sin(\beta)\cos^7(\beta)-7\sin^2(\beta)\cos^7(\beta)\right)+e^{-4i\gamma}\left(2i\sin(\beta)\cos^7(\beta)-7\sin^2(\beta)\cos^7(\beta)\right)+e^{-4i\gamma}\left(2i\sin(\beta)\cos^7(\beta)-7\sin^2(\beta)\cos^7(\beta)\right)+e^{-4i\gamma}\left(2i\sin(\beta)\cos^7(\beta)-7\sin^2(\beta)\cos^7(\beta)\right)+e^{-4i\gamma}\left(2i\sin(\beta)\cos^7(\beta)-7\sin^2(\beta)\cos^7(\beta)\right)+e^{-4i\gamma}\left(2i\sin(\beta)\cos^7(\beta)-7\sin^2(\beta)\cos^7(\beta)\right)+e^{-4i\gamma}\left(2i\sin(\beta)\cos^7(\beta)-7\sin^2(\beta)\cos^7(\beta)\right)+e^{-4i\gamma}\left(2i\sin(\beta)\cos^7(\beta)-7\sin^2(\beta)\cos^7(\beta)\right)+e^{-4i\gamma}\left(2i\sin(\beta)\cos^7(\beta)-7\sin^2(\beta)\cos^7(\beta)\right)+e^{-4i\gamma}\left(2i\sin(\beta)\cos^7(\beta)-7\sin^2(\beta)\cos^7(\beta)\right)+e^{-4i\gamma}\left(2i\sin(\beta)\cos^7(\beta)-7\sin^2(\beta)\cos^7(\beta)\right)+e^{-4i\gamma}\left(2i\sin(\beta)\cos^7(\beta)-7\sin^2(\beta)\cos^7(\beta)\right)+e^{-4i\gamma}\left(2i\sin(\beta)\cos^7(\beta)-7\sin^2(\beta)\cos^7(\beta)\right)+e^{-4i\gamma}\left(2i\sin(\beta)\cos^7(\beta)\cos^7(\beta)\right)+e^{-4i\gamma}\left(2i\sin(\beta)\cos^7(\beta)\cos^7(\beta)\right)+e^{-4i\gamma}\left(2i\sin(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\right)+e^{-4i\gamma}\left(2i\sin(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\right)+e^{-4i\gamma}\left(2i\sin(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\right)+e^{-4i\gamma}\left(2i\sin(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^
+e^{4i\gamma} \left(2i\sin(\beta)\cos^{7}(\beta)-5\sin^{2}(\beta)\cos^{6}(\beta)-14i\sin^{3}(\beta)\cos^{5}(\beta)+14\sin^{4}(\beta)\cos^{4}(\beta)+14i\sin^{5}(\beta)\cos^{3}(\beta)-5\sin^{6}(\beta)\cos^{2}(\beta)-14i\sin^{3}(\beta)\cos^{5}(\beta)+14\sin^{4}(\beta)\cos^{4}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{4}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)+14\sin^{5}(\beta)+14\sin^{5}(\beta)+14\sin^{5}
+(-2\sin^2(\beta)\cos^6(\beta)+4\sin^4(\beta)\cos^4(\beta)-2\sin^6(\beta)\cos^2(\beta))(\cos^8(\beta)+4i\sin(\beta)\cos^7(\beta)-18\sin^2(\beta)\cos^6(\beta)-28i\sin^3(\beta)\cos^2(\beta)
+38\sin^{4}(\beta)\cos^{4}(\beta)+28i\sin^{5}(\beta)\cos^{3}(\beta)-18\sin^{6}(\beta)\cos^{2}(\beta)-4i\sin^{7}(\beta)\cos(\beta)+\sin^{8}(\beta)+e^{-8i\gamma}\left(-\sin^{2}(\beta)\cos^{6}(\beta)-\sin^{6}(\beta)\cos^{2}(\beta)+\sin^{6}(\beta)\cos^{2}(\beta)+\sin^{6}(\beta)\cos^{2}(\beta)+\sin^{6}(\beta)\cos^{2}(\beta)+\sin^{6}(\beta)\cos^{2}(\beta)+\sin^{6}(\beta)\cos^{2}(\beta)+\sin^{6}(\beta)\cos^{2}(\beta)+\sin^{6}(\beta)\cos^{2}(\beta)+\sin^{6}(\beta)\cos^{2}(\beta)+\sin^{6}(\beta)\cos^{2}(\beta)+\sin^{6}(\beta)\cos^{6}(\beta)+\sin^{6}(\beta)\cos^{6}(\beta)+\sin^{6}(\beta)\cos^{6}(\beta)+\sin^{6}(\beta)\cos^{6}(\beta)+\sin^{6}(\beta)\cos^{6}(\beta)+\sin^{6}(\beta)\cos^{6}(\beta)+\sin^{6}(\beta)\cos^{6}(\beta)+\sin^{6}(\beta)\cos^{6}(\beta)+\sin^{6}(\beta)\cos^{6}(\beta)+\sin^{6}(\beta)\cos^{6}(\beta)+\sin^{6}(\beta)\cos^{6}(\beta)+\sin^{6}(\beta)\cos^{6}(\beta)+\sin^{6}(\beta)\cos^{6}(\beta)+\sin^{6}(\beta)\cos^{6}(\beta)+\sin^{6}(\beta)\cos^{6}(\beta)+\sin^{6}(\beta)\cos^{6}(\beta)+\sin^{6}(\beta)\cos^{6}(\beta)+\sin^{6}(\beta)\cos^{6}(\beta)+\sin^{6}(\beta)\cos^{6}(\beta)+\sin^{6}(\beta)\cos^{6}(\beta)+\sin^{6}(\beta)\cos^{6}(\beta)+\sin^{6}(\beta)\cos^{6}(\beta)+\sin^{6}(\beta)\cos^{6}(\beta)+\sin^{6}(\beta)\cos^{6}(\beta)+\sin^{6}(\beta)\cos^{6}(\beta)+\sin^{6}(\beta)\cos^{6}(\beta)+\sin^{6}(\beta)\cos^{6}(\beta)+\sin^{6}(\beta)\cos^{6}(\beta)+\sin^{6}(\beta)\cos^{6}(\beta)+\sin^{6}(\beta)\cos^{6}(\beta)+\sin^{6}(\beta)\cos^{6}(\beta)+\sin^{6}(\beta)\cos^{6}(\beta)+\sin^{6}(\beta)\cos^{6}(\beta)+\sin^{6}(\beta)\cos^{6}(\beta)+\sin^{6}(\beta)\cos^{6}(\beta)+\sin^{6}(\beta)\cos^{6}(\beta)+\sin^{6}(\beta)\cos^{6}(\beta)+\sin^{6}(\beta)\cos^{6}(\beta)+\sin^{6}(\beta)\cos^{6}(\beta)+\sin^{6}(\beta)\cos^{6}(\beta)+\sin^{6}(\beta)\cos^{6}(\beta)+\sin^{6}(\beta)\cos^{6}(\beta)+\sin^{6}(\beta)\cos^{6}(\beta)+\sin^{6}(\beta)\cos^{6}(\beta)+\sin^{6}(\beta)\cos^{6}(\beta)+\sin^{6}(\beta)\cos^{6}(\beta)+\sin^{6}(\beta)\cos^{6}(\beta)+\sin^{6}(\beta)\cos^{6}(\beta)+\sin^{6}(\beta)\cos^{6}(\beta)+\sin^{6}(\beta)\cos^{6}(\beta)+\sin^{6}(\beta)\cos^{6}(\beta)+\sin^{6}(\beta)\cos^{6}(\beta)+\sin^{6}(\beta)\cos^{6}(\beta)+\sin^{6}(\beta)\cos^{6}(\beta)+\sin^{6}(\beta)\cos^{6}(\beta)+\sin^{6}(\beta)\cos^{6}(\beta)+\sin^{6}(\beta)\cos^{6}(\beta)+\sin^{6}(\beta)\cos^{6}(\beta)+\sin^{6}(\beta)\cos^{6}(\beta)+\sin^{6}(\beta)\cos^{6}(\beta)+\sin^{6}(\beta)\cos^{6}(\beta)+\sin^{6}(\beta)\cos^{6}(\beta)+\sin^{6}(\beta)\cos^{6}(\beta)+\sin^{6}(\beta)\cos^{6}(\beta)+\sin^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)+\sin^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^
+e^{8i\gamma}\left(-\sin^2(\beta)\cos^6(\beta)-\sin^6(\beta)\cos^2(\beta)\right)+e^{-4i\gamma}\left(2i\sin(\beta)\cos^7(\beta)-4\sin^2(\beta)\cos^6(\beta)-14i\sin^3(\beta)\cos^5(\beta)+16\sin^4(\beta)\cos^2(\beta)\right)
+e^{4i\gamma}(2i\sin(\beta)\cos^{7}(\beta)-4\sin^{2}(\beta)\cos^{6}(\beta)-14i\sin^{3}(\beta)\cos^{5}(\beta)+16\sin^{4}(\beta)\cos^{4}(\beta)+14i\sin^{5}(\beta)\cos^{3}(\beta)-4\sin^{6}(\beta)\cos^{2}(\beta)
+(-4\sin^2(\beta)\cos^6(\beta)+8\sin^4(\beta)\cos^4(\beta)-4\sin^6(\beta)\cos^2(\beta))(\cos^8(\beta)+2i\sin(\beta)\cos^7(\beta)-14\sin^2(\beta)\cos^6(\beta)-30i\sin^3(\beta)\cos^2(\beta))
+46\sin^4(\beta)\cos^4(\beta)+30i\sin^5(\beta)\cos^3(\beta)-14\sin^6(\beta)\cos^2(\beta)-2i\sin^7(\beta)\cos(\beta)+\sin^8(\beta)+e^{-8i\gamma}(-\sin^2(\beta)\cos^6(\beta)-\sin^6(\beta))
+e^{8i\gamma}\left(-\sin^2(\beta)\cos^6(\beta)-\sin^6(\beta)\cos^2(\beta)\right)+e^{-4i\gamma}\left(3i\sin(\beta)\cos^7(\beta)-6\sin^2(\beta)\cos^6(\beta)-13i\sin^3(\beta)\cos^5(\beta)+12\sin^4(\beta)\cos^2(\beta)\right)
+e^{4i\gamma} \left(3i\sin(\beta)\cos^{7}(\beta)-6\sin^{2}(\beta)\cos^{6}(\beta)-13i\sin^{3}(\beta)\cos^{5}(\beta)+12\sin^{4}(\beta)\cos^{4}(\beta)+13i\sin^{5}(\beta)\cos^{3}(\beta)-6\sin^{6}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)+13i\sin^{2}(\beta)+13i\sin^{2}(\beta)+13i\sin^{2}(\beta)+13i\sin^{2}(\beta)+13i
+e^{-8i\gamma}\left(-\sin^2(\beta)\cos^6(\beta)-\sin^6(\beta)\cos^2(\beta)\right)\left(-20\sin^2(\beta)\cos^6(\beta)-32i\sin^3(\beta)\cos^5(\beta)+2e^{8i\gamma}\sin^4(\beta)\cos^4(\beta)+36\sin^4(\beta)\cos^2(\beta)\right)
+32i\sin^{5}(\beta)\cos^{3}(\beta)-20\sin^{6}(\beta)\cos^{2}(\beta)+e^{4i\gamma}\left(-16i\sin^{3}(\beta)\cos^{5}(\beta)+24\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{5}(\beta)\cos^{3}(\beta)\right)+e^{-4i\gamma}\left(8i\sin^{5}(\beta)\cos^{5}(\beta)+24\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{5}(\beta)\cos^{3}(\beta)\right)
  +e^{-8i\gamma}\left(\cos^8(\beta)+\sin^8(\beta)\right)
+e^{-4i\gamma}\left(2i\sin(\beta)\cos^{7}(\beta)-6i\sin^{3}(\beta)\cos^{5}(\beta)+6i\sin^{5}(\beta)\cos^{3}(\beta)-2i\sin^{7}(\beta)\cos(\beta)\right)\left(5i\sin(\beta)\cos^{7}(\beta)-12\sin^{2}(\beta)\cos^{6}(\beta)+6i\sin^{5}(\beta)\cos^{3}(\beta)-2i\sin^{7}(\beta)\cos(\beta)\right)
  -33i\sin^{3}(\beta)\cos^{5}(\beta) + 40\sin^{4}(\beta)\cos^{4}(\beta) + 33i\sin^{5}(\beta)\cos^{3}(\beta) - 12\sin^{6}(\beta)\cos^{2}(\beta) - 5i\sin^{7}(\beta)\cos(\beta) + e^{8i\gamma}\left(i\cos^{3}(\beta)\sin^{5}(\beta)\cos^{2}(\beta)\right) + 2\sin^{6}(\beta)\cos^{2}(\beta) + 2\sin^{6}(\beta)\cos^{6}(\beta) + 2
+e^{4i\gamma}\left(-6\sin^{2}(\beta)\cos^{6}(\beta)-12i\sin^{3}(\beta)\cos^{5}(\beta)+20\sin^{4}(\beta)\cos^{4}(\beta)+12i\sin^{5}(\beta)\cos^{3}(\beta)-6\sin^{6}(\beta)\cos^{2}(\beta)\right)+e^{-8i\gamma}\left(i\cos^{7}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)+12i\sin^{5}(\beta)\cos^{3}(\beta)-6\sin^{6}(\beta)\cos^{2}(\beta)\right)+e^{-8i\gamma}\left(i\cos^{7}(\beta)\cos^{4}(\beta)+12i\sin^{5}(\beta)\cos^{4}(\beta)+12i\sin^{5}(\beta)\cos^{4}(\beta)+12i\sin^{5}(\beta)\cos^{4}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)+12i\sin^{5}(\beta)+12i\sin^{5}(\beta)+12i\sin^{5}(\beta)+12i\sin^{5}(\beta)+12i\sin^{5}(\beta)+12i\sin^{5}(\beta)+12i\sin^{5}(\beta)+12i\sin^{5}(\beta)+12i\sin^{5}(\beta)+12i\sin^{5}(\beta)+12i\sin^{5}(\beta
+e^{-4i\gamma}\left(\cos^{8}(\beta)+2i\sin(\beta)\cos^{7}(\beta)-10\sin^{2}(\beta)\cos^{6}(\beta)-10i\sin^{3}(\beta)\cos^{5}(\beta)+10\sin^{4}(\beta)\cos^{4}(\beta)+10i\sin^{5}(\beta)\cos^{3}(\beta)-10\sin^{2}(\beta)\cos^{6}(\beta)\right)
+e^{4i\gamma} \left(8i \cos^3(\beta) \sin^5(\beta) - 8i \cos^5(\beta) \sin^3(\beta)\right) \left(5i \sin(\beta) \cos^7(\beta) - 12 \sin^2(\beta) \cos^6(\beta) - 33i \sin^3(\beta) \cos^5(\beta) + 40 \sin^4(\beta) \cos^4(\beta) \sin^2(\beta)\right) + 2i \sin^2(\beta) \sin^2(\beta) \sin^2(\beta) \sin^2(\beta) \sin^2(\beta) \sin^2(\beta) \sin^2(\beta) \cos^2(\beta) \cos^2(\beta) \sin^2(\beta) \cos^2(\beta) \sin^2(\beta) \cos^2(\beta) \cos^2(\beta) \sin^2(\beta) \cos^2(\beta) \cos^2(\beta) \sin^2(\beta) \cos^2(\beta) \sin^2(\beta) \cos^2(\beta) \cos^
+33i\sin^{5}(\beta)\cos^{3}(\beta)-12\sin^{6}(\beta)\cos^{2}(\beta)-5i\sin^{7}(\beta)\cos(\beta)+e^{-8i\gamma}\left(i\cos^{3}(\beta)\sin^{5}(\beta)-i\cos^{5}(\beta)\sin^{3}(\beta)\right)+e^{-4i\gamma}\left(-6\sin^{2}(\beta)\cos^{2}(\beta)-i\cos^{2}(\beta)\sin^{3}(\beta)\right)+e^{-4i\gamma}\left(-6\sin^{2}(\beta)\cos^{2}(\beta)-i\cos^{2}(\beta)\sin^{3}(\beta)\right)+e^{-4i\gamma}\left(-6\sin^{2}(\beta)\cos^{2}(\beta)-i\cos^{2}(\beta)\cos^{2}(\beta)\right)+e^{-4i\gamma}\left(-6\sin^{2}(\beta)\cos^{2}(\beta)-i\cos^{2}(\beta)\sin^{2}(\beta)\cos^{2}(\beta)\right)+e^{-4i\gamma}\left(-6\sin^{2}(\beta)\cos^{2}(\beta)-i\cos^{2}(\beta)\sin^{2}(\beta)\cos^{2}(\beta)\right)+e^{-4i\gamma}\left(-6\sin^{2}(\beta)\cos^{2}(\beta)\sin^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\sin^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2
+e^{8i\gamma} \left( i\cos^{7}(\beta)\sin(\beta) - i\cos(\beta)\sin^{7}(\beta) \right) + e^{4i\gamma} \left( \cos^{8}(\beta) + 2i\sin(\beta)\cos^{7}(\beta) - 10\sin^{2}(\beta)\cos^{6}(\beta) - 10i\sin^{3}(\beta)\cos^{5}(\beta) + 10\sin^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta) \right) + e^{8i\gamma} \left( i\cos^{7}(\beta)\sin(\beta) - i\cos(\beta)\sin^{7}(\beta) \right) + e^{4i\gamma} \left( \cos^{8}(\beta) + 2i\sin(\beta)\cos^{7}(\beta) - 10\sin^{2}(\beta)\cos^{6}(\beta) - 10i\sin^{3}(\beta)\cos^{5}(\beta) + 10\sin^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta) \right) + e^{4i\gamma} \left( \cos^{8}(\beta) + 2i\sin(\beta)\cos^{7}(\beta) - 10\sin^{2}(\beta)\cos^{6}(\beta) - 10i\sin^{3}(\beta)\cos^{5}(\beta) + 10\sin^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta
+e^{-4i\gamma}\left(8i\cos^{3}(\beta)\sin^{5}(\beta)-8i\cos^{5}(\beta)\sin^{3}(\beta)\right)\left(4i\sin(\beta)\cos^{7}(\beta)-16\sin^{2}(\beta)\cos^{6}(\beta)-34i\sin^{3}(\beta)\cos^{5}(\beta)+32\sin^{4}(\beta)\cos^{4}(\beta)\sin^{2}(\beta)\cos^{4}(\beta)\sin^{5}(\beta)\cos^{5}(\beta)\sin^{5}(\beta)\cos^{5}(\beta)\sin^{5}(\beta)\cos^{5}(\beta)\sin^{5}(\beta)\cos^{5}(\beta)\sin^{5}(\beta)\cos^{5}(\beta)\sin^{5}(\beta)\cos^{5}(\beta)\sin^{5}(\beta)\cos^{5}(\beta)\sin^{5}(\beta)\cos^{5}(\beta)\sin^{5}(\beta)\cos^{5}(\beta)\sin^{5}(\beta)\cos^{5}(\beta)\sin^{5}(\beta)\cos^{5}(\beta)\sin^{5}(\beta)\cos^{5}(\beta)\sin^{5}(\beta)\cos^{5}(\beta)\sin^{5}(\beta)\cos^{5}(\beta)\sin^{5}(\beta)\cos^{5}(\beta)\sin^{5}(\beta)\cos^{5}(\beta)\sin^{5}(\beta)\cos^{5}(\beta)\sin^{5}(\beta)\cos^{5}(\beta)\sin^{5}(\beta)\cos^{5}(\beta)\sin^{5}(\beta)\cos^{5}(\beta)\sin^{5}(\beta)\cos^{5}(\beta)\sin^{5}(\beta)\cos^{5}(\beta)\sin^{5}(\beta)\cos^{5}(\beta)\sin^{5}(\beta)\cos^{5}(\beta)\sin^{5}(\beta)\cos^{5}(\beta)\sin^{5}(\beta)\cos^{5}(\beta)\sin^{5}(\beta)\cos^{5}(\beta)\sin^{5}(\beta)\cos^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\cos^{5}(\beta)\sin^{5}(\beta)\cos^{5}(\beta)\sin^{5}(\beta)\cos^{5}(\beta)\sin^{5}(\beta)\cos^{5}(\beta)\sin^{5}(\beta)\cos^{5}(\beta)\sin^{5}(\beta)\cos^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\cos^{5}(\beta)\sin^{5}(\beta)\cos^{5}(\beta)\sin^{5}(\beta)\cos^{5}(\beta)\sin^{5}(\beta)\cos^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)
+34 i \sin^5(\beta) \cos^3(\beta) -16 \sin^6(\beta) \cos^2(\beta) -4 i \sin^7(\beta) \cos(\beta) + e^{-8 i \gamma} \left(i \cos^3(\beta) \sin^5(\beta) -i \cos^5(\beta) \sin^3(\beta)\right) + e^{8 i \gamma} \left(i \cos^3(\beta) \sin^5(\beta) -i \cos^5(\beta) \sin^3(\beta)\right) + e^{-8 i \gamma} \left(i \cos^3(\beta) \sin^5(\beta) -i \cos^5(\beta) \sin^3(\beta)\right) + e^{-8 i \gamma} \left(i \cos^3(\beta) \sin^5(\beta) -i \cos^5(\beta) \sin^3(\beta)\right) + e^{-8 i \gamma} \left(i \cos^3(\beta) \sin^5(\beta) -i \cos^5(\beta) \sin^3(\beta)\right) + e^{-8 i \gamma} \left(i \cos^3(\beta) \sin^5(\beta) -i \cos^5(\beta) \sin^3(\beta)\right) + e^{-8 i \gamma} \left(i \cos^3(\beta) \sin^5(\beta) -i \cos^5(\beta) \sin^3(\beta)\right) + e^{-8 i \gamma} \left(i \cos^3(\beta) \sin^5(\beta) -i \cos^5(\beta) \sin^3(\beta)\right) + e^{-8 i \gamma} \left(i \cos^3(\beta) \sin^5(\beta) -i \cos^5(\beta) \sin^3(\beta)\right) + e^{-8 i \gamma} \left(i \cos^3(\beta) \sin^5(\beta) -i \cos^5(\beta) \sin^3(\beta)\right) + e^{-8 i \gamma} \left(i \cos^3(\beta) \sin^5(\beta) -i \cos^5(\beta) \sin^3(\beta)\right) + e^{-8 i \gamma} \left(i \cos^3(\beta) \sin^5(\beta) -i \cos^5(\beta) \sin^3(\beta)\right) + e^{-8 i \gamma} \left(i \cos^3(\beta) \sin^5(\beta) -i \cos^5(\beta) \sin^5(\beta)\right) + e^{-8 i \gamma} \left(i \cos^3(\beta) \sin^5(\beta) -i \cos^5(\beta) \sin^5(\beta)\right) + e^{-8 i \gamma} \left(i \cos^3(\beta) \sin^5(\beta) -i \cos^5(\beta) \sin^5(\beta)\right) + e^{-8 i \gamma} \left(i \cos^2(\beta) -i \cos^2(\beta) \sin^2(\beta) \sin^2(\beta)\right) + e^{-8 i \gamma} \left(i \cos^2(\beta) -i \cos^2(\beta) \sin^2(\beta) \sin^2(\beta)\right) + e^{-8 i \gamma} \left(i \cos^2(\beta) -i \cos^2(\beta) \sin^2(\beta) \sin^2(\beta)\right) + e^{-8 i \gamma} \left(i \cos^2(\beta) -i \cos^2(\beta) \sin^2(\beta) \sin^2(\beta)\right) + e^{-8 i \gamma} \left(i \cos^2(\beta) -i \cos^2(\beta) \sin^2(\beta) \sin^2(\beta)\right) + e^{-8 i \gamma} \left(i \cos^2(\beta) -i \cos^2(\beta) \sin^2(\beta) \cos^2(\beta)\right) + e^{-8 i \gamma} \left(i \cos^2(\beta) -i \cos^2(\beta) \sin^2(\beta) \cos^2(\beta)\right) + e^{-8 i \gamma} \left(i \cos^2(\beta) -i \cos^2(\beta) \sin^2(\beta) \cos^2(\beta)\right) + e^{-8 i \gamma} \left(i \cos^2(\beta) -i \cos^2(\beta) \cos^2(\beta) \cos^2(\beta)\right) + e^{-8 i \gamma} \left(i \cos^2(\beta) -i \cos^2(\beta) \cos^2(\beta) \cos^2(\beta)\right) + e^{-8 i \gamma} \left(i \cos^2(\beta) -i \cos^2(\beta) \cos^2(\beta) \cos^2(\beta)\right) + e^{-8 i \gamma} \left(i \cos^2(\beta) -i \cos^2(\beta) \cos^2(\beta) \cos^2(\beta)\right) + e^{-8 i \gamma} \left(i \cos^2(\beta) \cos^2(\beta) \cos^2(\beta) \cos^2(\beta)\right) + e^{-8 i \gamma} \left(i \cos^2(\beta) \cos^2(\beta) \cos^2(\beta) \cos^2(\beta)\right) + e^{-8 i \gamma} \left(i \cos^2(\beta) \cos^2(\beta) \cos^2(\beta) \cos^2(\beta)\right) + e^{-8 i \gamma} \left(i \cos^2(\beta) \cos^2(\beta) \cos^2(\beta) \cos^2(\beta)\right) + e^{-8 i \gamma} \left(i \cos^2(\beta) \cos^2(\beta) \cos^2(\beta) \cos^2(\beta)\right) + e^{-8 i \gamma} \left(i \cos^2(\beta) \cos^2(\beta) \cos^2(\beta) \cos^2(\beta)\right) + e^{-8 i \gamma} \left(i \cos^2(\beta) \cos^2(\beta) \cos^2(\beta) \cos^2(\beta)\right) + e^{-8 i \gamma} \left(i \cos^2(\beta) \cos^2(\beta) \cos^2(\beta) \cos^2(\beta)\right) + e^{-8 i \gamma} \left(i \cos^2(\beta) \cos^2(\beta) \cos^2(\beta) \cos^2(\beta)\right) + e^{-8 i \gamma} \left(i \cos^2(\beta) \cos^2(\beta) \cos^2(\beta) \cos^2(\beta)\right) + e^{-8 i \gamma} \left(i \cos^2(\beta) \cos^2(\beta) \cos^2(\beta) \cos^2(\beta)\right) + e^{-8 i \gamma} \left(i \cos^2(\beta) \cos^2(\beta) \cos^2(\beta) \cos^2(\beta)\right) + e^{-8 i \gamma} \left(i \cos^2(\beta) \cos^2(\beta) \cos^2(\beta) \cos^2(\beta)\right) + e^{-8 i \gamma} \left(i \cos^2(\beta) \cos^2(\beta
+e^{4i\gamma} \left(-4 \sin ^2(\beta) \cos ^6(\beta)-12 i \sin ^3(\beta) \cos ^5(\beta)+24 \sin ^4_5(\beta) \cos ^4(\beta)+12 i \sin ^5(\beta) \cos ^3(\beta)-4 \sin ^6(\beta) \cos ^2(\beta)\right)+e^{-4i\gamma} \left(\cos ^8(\beta)-12 i \sin ^3(\beta) \cos ^5(\beta)+24 \sin ^4(\beta) \cos ^4(\beta)+12 i \sin ^5(\beta) \cos ^4(\beta)\right)
  +e^{4i\gamma}\left(2i\sin(\beta)\cos^7(\beta)-6i\sin^3(\beta)\cos^5(\beta)+6i\sin^5(\beta)\cos^3(\beta)-2i\sin^7(\beta)\cos(\beta)\right)\left(4i\sin(\beta)\cos^7(\beta)-16\sin^2(\beta)\cos^6(\beta)+6i\sin^5(\beta)\cos^3(\beta)-2i\sin^7(\beta)\cos^7(\beta)\right)
  -34i\sin^{3}(\beta)\cos^{5}(\beta) + 32\sin^{4}(\beta)\cos^{4}(\beta) + 34i\sin^{5}(\beta)\cos^{3}(\beta) - 16\sin^{6}(\beta)\cos^{2}(\beta) - 4i\sin^{7}(\beta)\cos(\beta) + e^{-8i\gamma}\left(i\cos^{3}(\beta)\sin^{5}(\beta)\cos^{4}(\beta)\cos^{2}(\beta)\right) + 32\sin^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta) + 34i\sin^{5}(\beta)\cos^{3}(\beta) - 16\sin^{6}(\beta)\cos^{2}(\beta) - 4i\sin^{7}(\beta)\cos(\beta) + e^{-8i\gamma}\left(i\cos^{3}(\beta)\sin^{5}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)
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 $+e^{8i\gamma}(i\cos^3(\beta)\sin^5(\beta)-i\cos^5(\beta)\sin^3(\beta))+e^{-4i\gamma}(-4\sin^2(\beta)\cos^6(\beta)-12i\sin^3(\beta)\cos^5(\beta)+24\sin^4(\beta)\cos^4(\beta)+12i\sin^5(\beta)\sin^5(\beta)$

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(2e^{-8i\gamma}\cos^4(\beta)(-20\sin^2(\beta)\cos^6(\beta) - 32i\sin^3(\beta)\cos^5(\beta) + 2e^{8i\gamma}\sin^4(\beta)\cos^4(\beta) + 36\sin^4(\beta)\cos^4(\beta)
+32i\sin^{5}(\beta)\cos^{3}(\beta)-20\sin^{6}(\beta)\cos^{2}(\beta)+e^{4i\gamma}\left(-16i\sin^{3}(\beta)\cos^{5}(\beta)+24\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{5}(\beta)\cos^{3}(\beta)\right)
+e^{-4i\gamma}(8i\sin(\beta)\cos^{7}(\beta)-8\sin^{2}(\beta)\cos^{6}(\beta)-8i\sin^{3}(\beta)\cos^{5}(\beta)+8\sin^{4}(\beta)\cos^{4}(\beta)+8i\sin^{5}(\beta)\cos^{3}(\beta)-8\sin^{6}(\beta)\cos^{2}(\beta)-8\sin^{6}(\beta)\cos^{6}(\beta)
  +e^{-8i\gamma}(\cos^8(\beta)+\sin^8(\beta))\sin^4(\beta)+2e^{8i\gamma}\cos^4(\beta)(-20\sin^2(\beta)\cos^6(\beta)-32i\sin^3(\beta)\cos^5(\beta)
  +2e^{-8i\gamma}\sin^4(\beta)\cos^4(\beta) + 36\sin^4(\beta)\cos^4(\beta) + 32i\sin^5(\beta)\cos^3(\beta) - 20\sin^6(\beta)\cos^2(\beta)
+e^{-4i\gamma}\left(-16i\sin^3(\beta)\cos^5(\beta)+24\sin^4(\beta)\cos^4(\beta)+16i\sin^5(\beta)\cos^3(\beta)\right)
+e^{4i\gamma}(8i\sin(\beta)\cos^{7}(\beta)-8\sin^{2}(\beta)\cos^{6}(\beta)-8i\sin^{3}(\beta)\cos^{5}(\beta)+8\sin^{4}(\beta)\cos^{4}(\beta)+8i\sin^{5}(\beta)\cos^{3}(\beta)-8\sin^{6}(\beta)\cos^{2}(\beta)-8i\sin^{4}(\beta)\cos^{5}(\beta)
+e^{8i\gamma}\left(\cos^{8}(\beta)+\sin^{8}(\beta)\right)\sin^{4}(\beta)+\left(-2\sin^{2}(\beta)\cos^{6}(\beta)-2\sin^{6}(\beta)\cos^{2}(\beta)\right)\left(\cos^{8}(\beta)+8i\sin(\beta)\cos^{7}(\beta)+\sin^{8}(\beta)\right)\sin^{4}(\beta)
  -20\sin^{2}(\beta)\cos^{6}(\beta) - 24i\sin^{3}(\beta)\cos^{5}(\beta) + 2e^{-8i\gamma}\sin^{4}(\beta)\cos^{4}(\beta) + 2e^{8i\gamma}\sin^{4}(\beta)\cos^{4}(\beta)
+34\sin^4(\beta)\cos^4(\beta) + 24i\sin^5(\beta)\cos^3(\beta) - 20\sin^6(\beta)\cos^2(\beta) - 8i\sin^7(\beta)\cos(\beta) + \sin^8(\beta)
+e^{-4i\gamma}\left(-4\sin^2(\beta)\cos^6(\beta)-16i\sin^3(\beta)\cos^5(\beta)+16\sin^4(\beta)\cos^4(\beta)+16i\sin^5(\beta)\cos^3(\beta)-4\sin^6(\beta)\cos^2(\beta)\right)
+e^{4i\gamma}\left(-4\sin^2(\beta)\cos^6(\beta)-16i\sin^3(\beta)\cos^5(\beta)+16\sin^4(\beta)\cos^4(\beta)+16i\sin^5(\beta)\cos^3(\beta)-4\sin^6(\beta)\cos^2(\beta)\right)
+(4i\sin(\beta)\cos^{7}(\beta)-12i\sin^{3}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{3}(\beta)-4i\sin^{7}(\beta)\cos(\beta))(\cos^{8}(\beta)+6i\sin(\beta)\cos^{7}(\beta))
    -16\sin^{2}(\beta)\cos^{6}(\beta) - 32i\sin^{3}(\beta)\cos^{5}(\beta) + 30\sin^{4}(\beta)\cos^{4}(\beta) + 32i\sin^{5}(\beta)\cos^{3}(\beta) - 16\sin^{6}(\beta)\cos^{2}(\beta) - 6i\sin^{7}(\beta)\cos(\beta)
+\sin^{8}(\beta) + e^{-8i\gamma} \left(i\cos^{3}(\beta)\sin^{5}(\beta) - i\cos^{5}(\beta)\sin^{3}(\beta)\right) + e^{8i\gamma} \left(i\cos^{3}(\beta)\sin^{5}(\beta) - i\cos^{5}(\beta)\sin^{3}(\beta)\right) + e^{-4i\gamma} \left(i\sin(\beta)\cos^{7}(\beta) - i\cos^{5}(\beta)\sin^{3}(\beta)\right) + e^{-4i\gamma} \left(i\cos(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(\beta)\cos^{7}(
+e^{4i\gamma}\left(i\sin(\beta)\cos^{7}(\beta)-6\sin^{2}(\beta)\cos^{6}(\beta)-11i\sin^{3}(\beta)\cos^{5}(\beta)+20\sin^{4}(\beta)\cos^{4}(\beta)+11i\sin^{5}(\beta)\cos^{3}(\beta)-6\sin^{6}(\beta)\cos^{2}(\beta)-11i\sin^{3}(\beta)\cos^{5}(\beta)+20\sin^{4}(\beta)\cos^{4}(\beta)+11i\sin^{5}(\beta)\cos^{3}(\beta)-6\sin^{6}(\beta)\cos^{2}(\beta)-11i\sin^{3}(\beta)\cos^{5}(\beta)+20\sin^{4}(\beta)\cos^{4}(\beta)+11i\sin^{5}(\beta)\cos^{3}(\beta)-6\sin^{6}(\beta)\cos^{2}(\beta)-11i\sin^{3}(\beta)\cos^{5}(\beta)+20\sin^{4}(\beta)\cos^{4}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+20\sin^{4}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+20\sin^{4}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+20\sin^{4}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+20\sin^{4}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+20\sin^{5}(\beta)\cos^{5}(\beta)+20\sin^{5}(\beta)\cos^{5}(\beta)+20\sin^{5}(\beta)\cos^{5}(\beta)+20\sin^{5}(\beta)\cos^{5}(\beta)+20\sin^{5}(\beta)\cos^{5}(\beta)+20\sin^{5}(\beta)\cos^{5}(\beta)+20\sin^{5}(\beta)\cos^{5}(\beta)+20\sin^{5}(\beta)\cos^{5}(\beta)+20\sin^{5}(\beta)\cos^{5}(\beta)+20\sin^{5}(\beta)\cos^{5}(\beta)+20\sin^{5}(\beta)\cos^{5}(\beta)+20\sin^{5}(\beta)\cos^{5}(\beta)+20\sin^{5}(\beta)\cos^{5}(\beta)+20\sin^{5}(\beta)\cos^{5}(\beta)+20\sin^{5}(\beta)\cos^{5}(\beta)+20\sin^{5}(\beta)\cos^{5}(\beta)+20\sin^{5}(\beta)\cos^{5}(\beta)+20\sin^{5}(\beta)\cos^{5}(\beta)+20\sin^{5}(\beta)\cos^{5}(\beta)+20\sin^{5}(\beta)\cos^{5}(\beta)+20\sin^{5}(\beta)\cos^{5}(\beta)+20\sin^{5}(\beta)\cos^{5}(\beta)+20\sin^{5}(\beta)\cos^{5}(\beta)+20\sin^{5}(\beta)\cos^{5}(\beta)+20\sin^{5}(\beta)\cos^{5}(\beta)+20\sin^{5}(\beta)\cos^{5}(\beta)+20\sin^{5}(\beta)\cos^{5}(\beta)+20\sin^{5}(\beta)\cos^{5}(\beta)+20\sin^{5}(\beta)\cos^{5}(\beta)+20\sin^{5}(\beta)\cos^{5}(\beta)+20\sin^{5}(\beta)\cos^{5}(\beta)+20\sin^{5}(\beta)\cos^{5}(\beta)+20\sin^{5}(\beta)\cos^{5}(\beta)+20\sin^{5}(\beta)\cos^{5}(\beta)+20\sin^{5}(\beta)\cos^{5}(\beta)+20\sin^{5}(\beta)\cos^{5}(\beta)+20\sin^{5}(\beta)\cos^{5}(\beta)+20\sin^{5}(\beta)\cos^{5}(\beta)+20\sin^{5}(\beta)\cos^{5}(\beta)+20\sin^{5}(\beta)\cos^{5}(\beta)+20\sin^{5}(\beta)\cos^{5}(\beta)+20\sin^{5}(\beta)\cos^{5}(\beta)+20\sin^{5}(\beta)\cos^{5}(\beta)+20\sin^{5}(\beta)\cos^{5}(\beta)+20\sin^{5}(\beta)\cos^{5}(\beta)+20\sin^{5}(\beta)\cos^{5}(\beta)+20\sin^{5}(\beta)\cos^{5}(\beta)+20\sin^{5}(\beta)\cos^{5}(\beta)+20\sin^{5}(\beta)\cos^{5}(\beta)+20\sin^{5}(\beta)\cos^{5}(\beta)+20\sin^{5}(\beta)\cos^{5}(\beta)+20\sin^{5}(\beta)\cos^{5}(\beta)+20\sin^{5}(\beta)\cos^{5}(\beta)+20\sin^{5}(\beta)\cos^{5}(\beta)+20\sin^{5}(\beta)\cos^{5}(\beta)+20\sin^{5}(\beta)\cos^{5}(\beta)+20\sin^{5}(\beta)\cos^{5}(\beta)+20\sin^{5}(\beta)\cos^{5}(\beta)+20\sin^{5}(\beta)\cos^{5}(\beta)+20\sin^{5}(\beta)\cos^{5}(\beta)+20\sin^{5}(\beta)\cos^{5}(\beta)+20\sin^{5}(\beta)\cos^{5}(\beta)+20\sin^{5}(\beta)\cos^{5}(\beta)+20\sin^{5}(\beta)\cos^{5}(\beta)+20\sin^{5}(\beta)\cos^{5}(\beta)+20\sin^{5}(\beta)\cos^{5}(\beta)+20\sin^{5}(\beta)\cos^{5}(\beta)+20\sin^{5}(\beta)\cos^{5}(\beta)+20\sin^{5}(\beta)\cos^{5}(\beta)+20\sin^{5}(\beta)\cos^{5}(\beta)+20\sin^{5}(\beta)\cos^{5}(\beta)+20\sin^{5}(\beta)\cos^{5}(\beta)+20\sin^{5}(\beta)\cos^{5}(\beta)+20\sin^{5}(\beta)\cos^{5}(\beta)+20\sin^{5}(\beta)\cos^{5}(\beta)+20\sin^{5}(\beta)\cos^{5}(\beta)+20\sin^{5}(\beta)\cos^{5}(\beta)+20\sin^{5}(\beta)\cos^{5}(\beta)+20\sin^{5}(\beta)+20\sin^{5}(\beta)+20\sin^{5}(\beta)+20\sin^{5}(\beta)+20\sin^{5}(\beta)+20\sin^{5}(\beta)+20\sin^{5}(
+(\cos^8(\beta)-2\sin^2(\beta)\cos^6(\beta)+10\sin^4(\beta)\cos^4(\beta)-2\sin^6(\beta)\cos^2(\beta)+\sin^8(\beta))(\cos^8(\beta)+6i\sin(\beta)\cos^7(\beta)-16\sin^2(\beta)\cos^6(\beta)
  -26i\sin^{3}(\beta)\cos^{5}(\beta)+2e^{-8i\gamma}\sin^{4}(\beta)\cos^{4}(\beta)+2e^{8i\gamma}\sin^{4}(\beta)\cos^{4}(\beta)+42\sin^{4}(\beta)\cos^{4}(\beta)+26i\sin^{5}(\beta)\cos^{3}(\beta)-16\sin^{6}(\beta)\cos^{4}(\beta)
  -6i\sin^{7}(\beta)\cos(\beta) + \sin^{8}(\beta) + e^{-4i\gamma}\left(i\sin(\beta)\cos^{7}(\beta) - 6\sin^{2}(\beta)\cos^{6}(\beta) - 15i\sin^{3}(\beta)\cos^{5}(\beta) + 12\sin^{4}(\beta)\cos^{4}(\beta) + 15i\sin^{5}(\beta)\cos^{6}(\beta)\right) + \sin^{8}(\beta) + e^{-4i\gamma}\left(i\sin(\beta)\cos^{7}(\beta) - 6\sin^{2}(\beta)\cos^{6}(\beta) - 15i\sin^{3}(\beta)\cos^{5}(\beta) + 12\sin^{4}(\beta)\cos^{4}(\beta) + 15i\sin^{5}(\beta)\cos^{5}(\beta)\right) + \cos^{6}(\beta) + \cos^{6}(\beta
+e^{4i\gamma}(i\sin(\beta)\cos^{7}(\beta)-6\sin^{2}(\beta)\cos^{6}(\beta)-15i\sin^{3}(\beta)\cos^{5}(\beta)+12\sin^{4}(\beta)\cos^{4}(\beta)+15i\sin^{5}(\beta)\cos^{3}(\beta)-6\sin^{6}(\beta)\cos^{2}(\beta)-15i\sin^{3}(\beta)\cos^{5}(\beta)
+(2i\sin(\beta)\cos^{7}(\beta)-14i\sin^{3}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{3}(\beta)-2i\sin^{7}(\beta)\cos(\beta))(\cos^{8}(\beta)+4i\sin(\beta)\cos^{7}(\beta)-12\sin^{2}(\beta)\cos^{7}(\beta)
    -34i\sin^{3}(\beta)\cos^{5}(\beta) + 38\sin^{4}(\beta)\cos^{4}(\beta) + 34i\sin^{5}(\beta)\cos^{3}(\beta) - 12\sin^{6}(\beta)\cos^{2}(\beta) - 4i\sin^{7}(\beta)\cos(\beta) + \sin^{8}(\beta) + e^{-8i\gamma}(i\cos^{3}(\beta) + \sin^{4}(\beta)\cos^{4}(\beta) + \sin^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta) + \sin^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}
+e^{8i\gamma}(i\cos^3(\beta)\sin^5(\beta)-i\cos^5(\beta)\sin^3(\beta))+e^{-4i\gamma}(2i\sin(\beta)\cos^7(\beta)-8\sin^2(\beta)\cos^6(\beta)-10i\sin^3(\beta)\cos^5(\beta)+16\sin^4(\beta)\cos^2(\beta)\sin^3(\beta)\sin^3(\beta)\cos^3(\beta)\sin^3(\beta)\cos^3(\beta)\sin^3(\beta)\cos^3(\beta)\sin^3(\beta)\cos^3(\beta)\sin^3(\beta)\cos^3(\beta)\sin^3(\beta)\cos^3(\beta)\cos^3(\beta)\sin^3(\beta)\cos^3(\beta)\cos^3(\beta)\sin^3(\beta)\cos^3(\beta)\cos^3(\beta)\sin^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^
+e^{4i\gamma} \left(2i\sin(\beta)\cos^{7}(\beta)-8\sin^{2}(\beta)\cos^{6}(\beta)-10i\sin^{3}(\beta)\cos^{5}(\beta)+16\sin^{4}(\beta)\cos^{4}(\beta)+10i\sin^{5}(\beta)\cos^{3}(\beta)-8\sin^{6}(\beta)\cos^{2}(\beta)-10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{4}(\beta)\cos^{4}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)+10i\sin^{5}(\beta)+10i\sin^{5}(\beta)+10i\sin^{5}(\beta)+10i\sin^{5}(\beta)+10i\sin^{5}(\beta)+10i\sin^{5}(\beta)+10i\sin^{5}(\beta)+10i\sin^{5}(\beta)+10i\sin^{5}(\beta)+10i\sin^{5}(\beta)+10i\sin^{5}(\beta)
+(-4\sin^2(\beta)\cos^6(\beta)+8\sin^4(\beta)\cos^4(\beta)-4\sin^6(\beta)\cos^2(\beta))(\cos^8(\beta)+4i\sin(\beta)\cos^7(\beta)-15\sin^2(\beta)\cos^6(\beta)-28i\sin^3(\beta)\cos^2(\beta)
  +2e^{8i\gamma}\sin^4(\beta)\cos^4(\beta)+44\sin^4(\beta)\cos^4(\beta)+28i\sin^5(\beta)\cos^3(\beta)-15\sin^6(\beta)\cos^2(\beta)-4i\sin^7(\beta)\cos(\beta)+\sin^8(\beta)
+e^{-8i\gamma}\left(-\sin^{2}(\beta)\cos^{6}(\beta)-\sin^{6}(\beta)\cos^{2}(\beta)\right)+e^{4i\gamma}\left(2i\sin(\beta)\cos^{7}(\beta)-7\sin^{2}(\beta)\cos^{6}(\beta)-14i\sin^{3}(\beta)\cos^{5}(\beta)+10\sin^{4}(\beta)\cos^{6}(\beta)\right)
  +e^{-4i\gamma}(2i\sin(\beta)\cos^{7}(\beta)-5\sin^{2}(\beta)\cos^{6}(\beta)-14i\sin^{3}(\beta)\cos^{5}(\beta)+14\sin^{4}(\beta)\cos^{4}(\beta)+14i\sin^{5}(\beta)\cos^{3}(\beta)-5\sin^{6}(\beta)\cos^{2}(\beta)
  +(-4\sin^2(\beta)\cos^6(\beta)+8\sin^4(\beta)\cos^4(\beta)-4\sin^6(\beta)\cos^2(\beta))(\cos^8(\beta)+4i\sin(\beta)\cos^7(\beta)-15\sin^2(\beta)\cos^6(\beta)-28i\sin^3(\beta)\cos^2(\beta)
+2e^{-8i\gamma}\sin^4(\beta)\cos^4(\beta)+44\sin^4(\beta)\cos^4(\beta)+28i\sin^5(\beta)\cos^3(\beta)-15\sin^6(\beta)\cos^2(\beta)-4i\sin^7(\beta)\cos(\beta)+\sin^8(\beta)
+e^{8i\gamma}\left(-\sin^{2}(\beta)\cos^{6}(\beta)-\sin^{6}(\beta)\cos^{2}(\beta)\right)+e^{-4i\gamma}\left(2i\sin(\beta)\cos^{7}(\beta)-7\sin^{2}(\beta)\cos^{6}(\beta)-14i\sin^{3}(\beta)\cos^{5}(\beta)+10\sin^{4}(\beta)\cos^{6}(\beta)\right)+e^{-4i\gamma}\left(2i\sin(\beta)\cos^{7}(\beta)-7\sin^{2}(\beta)\cos^{6}(\beta)-14i\sin^{3}(\beta)\cos^{5}(\beta)+10\sin^{4}(\beta)\cos^{6}(\beta)\right)+e^{-4i\gamma}\left(2i\sin(\beta)\cos^{7}(\beta)-7\sin^{2}(\beta)\cos^{6}(\beta)-14i\sin^{3}(\beta)\cos^{5}(\beta)+10\sin^{4}(\beta)\cos^{6}(\beta)\right)+e^{-4i\gamma}\left(2i\sin(\beta)\cos^{7}(\beta)-7\sin^{2}(\beta)\cos^{6}(\beta)-14i\sin^{3}(\beta)\cos^{5}(\beta)+10\sin^{4}(\beta)\cos^{6}(\beta)\right)+e^{-4i\gamma}\left(2i\sin(\beta)\cos^{7}(\beta)-7\sin^{4}(\beta)\cos^{6}(\beta)-14i\sin^{3}(\beta)\cos^{5}(\beta)+10\sin^{4}(\beta)\cos^{6}(\beta)\right)+e^{-4i\gamma}\left(2i\sin(\beta)\cos^{7}(\beta)-7\sin^{4}(\beta)\cos^{6}(\beta)-14i\sin^{4}(\beta)\cos^{5}(\beta)+10\sin^{4}(\beta)\cos^{6}(\beta)\right)+e^{-4i\gamma}\left(2i\sin(\beta)\cos^{7}(\beta)-7\sin^{4}(\beta)\cos^{6}(\beta)-14i\sin^{4}(\beta)\cos^{5}(\beta)+10\sin^{4}(\beta)\cos^{6}(\beta)\right)+e^{-4i\gamma}\left(2i\sin(\beta)\cos^{7}(\beta)-7\sin^{4}(\beta)\cos^{6}(\beta)-14i\sin^{4}(\beta)\cos^{6}(\beta)+10\sin^{4}(\beta)\cos^{6}(\beta)\right)+e^{-4i\gamma}\left(2i\sin(\beta)\cos^{6}(\beta)-14i\sin^{4}(\beta)\cos^{6}(\beta)+10\sin^{4}(\beta)\cos^{6}(\beta)\right)+e^{-4i\gamma}\left(2i\sin(\beta)\cos^{6}(\beta)-14i\sin^{4}(\beta)\cos^{6}(\beta)\right)+e^{-4i\gamma}\left(2i\sin(\beta)\cos^{6}(\beta)-14i\sin^{4}(\beta)\cos^{6}(\beta)\right)+e^{-4i\gamma}\left(2i\sin(\beta)\cos^{6}(\beta)-14i\sin^{4}(\beta)\cos^{6}(\beta)\right)+e^{-4i\gamma}\left(2i\sin(\beta)\cos^{6}(\beta)-14i\sin^{4}(\beta)\cos^{6}(\beta)\right)+e^{-4i\gamma}\left(2i\sin(\beta)\cos^{6}(\beta)-14i\sin^{4}(\beta)\cos^{6}(\beta)\right)+e^{-4i\gamma}\left(2i\sin(\beta)\cos^{6}(\beta)-14i\sin^{4}(\beta)\cos^{6}(\beta)\right)+e^{-4i\gamma}\left(2i\sin(\beta)\cos^{6}(\beta)-14i\sin^{4}(\beta)\cos^{6}(\beta)\right)+e^{-4i\gamma}\left(2i\sin(\beta)\cos^{6}(\beta)-14i\sin^{4}(\beta)\cos^{6}(\beta)\right)+e^{-4i\gamma}\left(2i\sin(\beta)\cos^{6}(\beta)-14i\sin^{4}(\beta)\cos^{6}(\beta)\right)+e^{-4i\gamma}\left(2i\sin(\beta)\cos^{6}(\beta)-14i\sin^{4}(\beta)\cos^{6}(\beta)\right)+e^{-4i\gamma}\left(2i\sin(\beta)\cos^{6}(\beta)-14i\sin^{4}(\beta)\cos^{6}(\beta)\right)+e^{-4i\gamma}\left(2i\sin(\beta)\cos^{6}(\beta)-14i\sin^{4}(\beta)\cos^{6}(\beta)\right)+e^{-4i\gamma}\left(2i\sin(\beta)\cos^{6}(\beta)-14i\sin^{4}(\beta)\cos^{6}(\beta)\right)+e^{-4i\gamma}\left(2i\sin(\beta)\cos^{6}(\beta)-14i\sin^{4}(\beta)\cos^{6}(\beta)\right)+e^{-4i\gamma}\left(2i\sin(\beta)\cos^{6}(\beta)-14i\sin^{4}(\beta)\cos^{6}(\beta)\right)+e^{-4i\gamma}\left(2i\sin(\beta)\cos^{6}(\beta)-14i\sin^{6}(\beta)\cos^{6}(\beta)\right)+e^{-4i\beta}\left(2i\sin(\beta)\cos^{6}(\beta)-14i\sin^{6}(\beta)\cos^{6}(\beta)\right)+e^{-4i\beta}\left(2i\sin(\beta)\cos^{6}(\beta)-14i\sin^{6}(\beta)\cos^{6}(\beta)\right)+e^{-4i\beta}\left(2i\sin(\beta)\cos^{6}(\beta)-14i\sin^{6}(\beta)\cos^{6}(\beta)\right)+e^{-4i\beta}\left(2i\sin(\beta)\cos^{6}(\beta)-14i\sin^{6}(\beta)\cos^{6}(\beta)\right)+e^{-4i\beta}\left(2i\sin(\beta)\cos^{6}(\beta)-14i\sin^{6}(\beta)\cos^{6}(\beta)\right)+e^{-4i\beta}\left(2i\sin(\beta)\cos^{6}(\beta)-14i\sin^{6}(\beta)\cos^{6}(\beta)\right)+e^{-4i\beta}\left(2i\sin(\beta)\cos^{6}(\beta)-14i\sin^{6}(\beta)\cos^{6}(\beta)\right)+e^{-4i\beta}\left(2i\sin(\beta)\cos^{6}(\beta)-14i\sin^{6}(\beta)\cos^{6}(\beta)\right)+e^{-4i\beta}\left(2i\sin(\beta)\cos^{6}(\beta)-14i\sin^{6}(\beta)\cos^{6}(\beta)\right)+e^{-4i\beta}\left(2i\sin(\beta)\cos^{6}(\beta)\right)+e^{-4i\beta}\left(2i\sin(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\right)+e^{-4i\beta}\left(2i\sin(\beta)\cos^{6}(
+e^{4i\gamma}(2i\sin(\beta)\cos^{7}(\beta)-5\sin^{2}(\beta)\cos^{6}(\beta)-14i\sin^{3}(\beta)\cos^{5}(\beta)+14\sin^{4}(\beta)\cos^{4}(\beta)+14i\sin^{5}(\beta)\cos^{3}(\beta)-5\sin^{6}(\beta)\cos^{2}(\beta)
+(-2\sin^2(\beta)\cos^6(\beta)+4\sin^4(\beta)\cos^4(\beta)-2\sin^6(\beta)\cos^2(\beta))(\cos^8(\beta)+4i\sin(\beta)\cos^7(\beta)-18\sin^2(\beta)\cos^6(\beta)-28i\sin^3(\beta)\cos^2(\beta)\cos^2(\beta)
+38 \sin^4(\beta) \cos^4(\beta) + 28 i \sin^5(\beta) \cos^3(\beta) - 18 \sin^6(\beta) \cos^2(\beta) - 4 i \sin^7(\beta) \cos(\beta) + \sin^8(\beta) + e^{-8 i \gamma} \left(-\sin^2(\beta) \cos^6(\beta) - \sin^6(\beta) \cos^6(\beta) + \cos^6(\beta) \cos^6(\beta) \cos^6(\beta) + \cos^6(\beta) \cos^
+e^{8i\gamma}\left(-\sin^2(\beta)\cos^6(\beta)-\sin^6(\beta)\cos^2(\beta)\right)+e^{-4i\gamma}\left(2i\sin(\beta)\cos^7(\beta)-4\sin^2(\beta)\cos^6(\beta)-14i\sin^3(\beta)\cos^5(\beta)+16\sin^4(\beta)\cos^2(\beta)\right)
+e^{4i\gamma}(2i\sin(\beta)\cos^{7}(\beta)-4\sin^{2}(\beta)\cos^{6}(\beta)-14i\sin^{3}(\beta)\cos^{5}(\beta)+16\sin^{4}(\beta)\cos^{4}(\beta)+14i\sin^{5}(\beta)\cos^{3}(\beta)-4\sin^{6}(\beta)\cos^{2}(\beta)
+(-2\sin^2(\beta)\cos^6(\beta)+12\sin^4(\beta)\cos^4(\beta)-2\sin^6(\beta)\cos^2(\beta))(\cos^8(\beta)+2i\sin(\beta)\cos^7(\beta)-14\sin^2(\beta)\cos^6(\beta)-30i\sin^3(\beta)\cos^2(\beta))
  +46\sin^4(\beta)\cos^4(\beta)+30i\sin^5(\beta)\cos^3(\beta)-14\sin^6(\beta)\cos^2(\beta)-2i\sin^7(\beta)\cos(\beta)+\sin^8(\beta)+e^{-8i\gamma}\left(-\sin^2(\beta)\cos^6(\beta)-\sin^6(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)\cos^2(\beta)\sin^2(\beta)\cos^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)
+e^{8i\gamma}\left(-\sin^2(\beta)\cos^6(\beta)-\sin^6(\beta)\cos^2(\beta)\right)+e^{-4i\gamma}\left(3i\sin(\beta)\cos^7(\beta)-6\sin^2(\beta)\cos^6(\beta)-13i\sin^3(\beta)\cos^5(\beta)+12\sin^4(\beta)\cos^2(\beta)\right)
+e^{4i\gamma}(3i\sin(\beta)\cos^7(\beta)-6\sin^2(\beta)\cos^6(\beta)-13i\sin^3(\beta)\cos^5(\beta)+12\sin^4(\beta)\cos^4(\beta)+13i\sin^5(\beta)\cos^3(\beta)-6\sin^6(\beta)\cos^2(\beta)-13i\sin^3(\beta)\cos^5(\beta)+12\sin^4(\beta)\cos^4(\beta)+13i\sin^5(\beta)\cos^5(\beta)
  +e^{-4i\gamma}\left(8i\cos^{3}(\beta)\sin^{5}(\beta)-8i\cos^{5}(\beta)\sin^{3}(\beta)\right)\left(5i\sin(\beta)\cos^{7}(\beta)-12\sin^{2}(\beta)\cos^{6}(\beta)-33i\sin^{3}(\beta)\cos^{5}(\beta)+40\sin^{4}(\beta)\cos^{4}(\beta)\sin^{2}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)
+33i\sin^{5}(\beta)\cos^{3}(\beta)-12\sin^{6}(\beta)\cos^{2}(\beta)-5i\sin^{7}(\beta)\cos(\beta)+e^{8i\gamma}(i\cos^{3}(\beta)\sin^{5}(\beta)-i\cos^{5}(\beta)\sin^{3}(\beta))+e^{4i\gamma}(-6\sin^{2}(\beta)\cos^{2}(\beta)\sin^{3}(\beta))
+e^{-8i\gamma}\left(i\cos^{7}(\beta)\sin(\beta)-i\cos(\beta)\sin^{7}(\beta)\right)+e^{-4i\gamma}\left(\cos^{8}(\beta)+2i\sin(\beta)\cos^{7}(\beta)-10\sin^{2}(\beta)\cos^{6}(\beta)-10i\sin^{3}(\beta)\cos^{5}(\beta)+10\sin^{2}(\beta)\sin^{2}(\beta)\cos^{6}(\beta)+10\sin^{2}(\beta)\cos^{6}(\beta)+10\sin^{2}(\beta)\cos^{6}(\beta)+10\sin^{2}(\beta)\cos^{6}(\beta)+10\sin^{2}(\beta)\cos^{6}(\beta)+10\sin^{2}(\beta)\cos^{6}(\beta)+10\sin^{2}(\beta)\cos^{6}(\beta)+10\sin^{2}(\beta)\cos^{6}(\beta)+10\sin^{2}(\beta)\cos^{6}(\beta)+10\sin^{2}(\beta)\cos^{6}(\beta)+10\sin^{2}(\beta)\cos^{6}(\beta)+10\sin^{2}(\beta)\cos^{6}(\beta)+10\sin^{2}(\beta)\cos^{6}(\beta)+10\sin^{2}(\beta)\cos^{6}(\beta)+10\sin^{2}(\beta)\cos^{6}(\beta)+10\sin^{2}(\beta)\cos^{6}(\beta)+10\sin^{2}(\beta)\cos^{6}(\beta)+10\sin^{2}(\beta)\cos^{6}(\beta)+10\sin^{2}(\beta)\cos^{6}(\beta)+10\sin^{2}(\beta)\cos^{6}(\beta)+10\sin^{2}(\beta)\cos^{6}(\beta)+10\sin^{2}(\beta)\cos^{6}(\beta)+10\sin^{2}(\beta)\cos^{6}(\beta)+10\sin^{2}(\beta)\cos^{6}(\beta)+10\sin^{2}(\beta)\cos^{6}(\beta)+10\sin^{2}(\beta)\cos^{6}(\beta)+10\sin^{2}(\beta)\cos^{6}(\beta)+10\sin^{2}(\beta)\cos^{6}(\beta)+10\sin^{2}(\beta)\cos^{6}(\beta)+10\sin^{2}(\beta)\cos^{6}(\beta)+10\sin^{2}(\beta)\cos^{6}(\beta)+10\sin^{2}(\beta)\cos^{6}(\beta)+10\sin^{2}(\beta)\cos^{6}(\beta)+10\sin^{2}(\beta)\cos^{6}(\beta)+10\sin^{2}(\beta)\cos^{6}(\beta)+10\sin^{2}(\beta)\cos^{6}(\beta)+10\sin^{2}(\beta)\cos^{6}(\beta)+10\sin^{2}(\beta)\cos^{6}(\beta)+10\sin^{2}(\beta)\cos^{6}(\beta)+10\sin^{2}(\beta)\cos^{6}(\beta)+10\sin^{2}(\beta)\cos^{6}(\beta)+10\sin^{2}(\beta)\cos^{6}(\beta)+10\sin^{2}(\beta)\cos^{6}(\beta)+10\sin^{2}(\beta)\cos^{6}(\beta)+10\sin^{2}(\beta)\cos^{6}(\beta)+10\sin^{2}(\beta)\cos^{6}(\beta)+10\sin^{2}(\beta)\cos^{6}(\beta)+10\sin^{6}(\beta)\cos^{6}(\beta)+10\sin^{6}(\beta)\cos^{6}(\beta)+10\sin^{6}(\beta)\cos^{6}(\beta)+10\sin^{6}(\beta)\cos^{6}(\beta)+10\sin^{6}(\beta)\cos^{6}(\beta)+10\sin^{6}(\beta)\cos^{6}(\beta)+10\sin^{6}(\beta)\cos^{6}(\beta)+10\sin^{6}(\beta)\cos^{6}(\beta)+10\sin^{6}(\beta)\cos^{6}(\beta)+10\sin^{6}(\beta)\cos^{6}(\beta)+10\sin^{6}(\beta)\cos^{6}(\beta)+10\sin^{6}(\beta)\cos^{6}(\beta)+10\sin^{6}(\beta)\cos^{6}(\beta)+10\sin^{6}(\beta)\cos^{6}(\beta)+10\sin^{6}(\beta)\cos^{6}(\beta)+10\sin^{6}(\beta)\cos^{6}(\beta)+10\sin^{6}(\beta)\cos^{6}(\beta)+10\sin^{6}(\beta)\cos^{6}(\beta)+10\sin^{6}(\beta)\cos^{6}(\beta)+10\sin^{6}(\beta)\cos^{6}(\beta)+10\sin^{6}(\beta)\cos^{6}(\beta)+10\sin^{6}(\beta)\cos^{6}(\beta)+10\sin^{6}(\beta)\cos^{6}(\beta)+10\sin^{6}(\beta)\cos^{6}(\beta)+10\sin^{6}(\beta)\cos^{6}(\beta)+10\sin^{6}(\beta)\cos^{6}(\beta)+10\sin^{6}(\beta)\cos^{6}(\beta)+10\sin^{6}(\beta)\cos^{6}(\beta)+10\sin^{6}(\beta)\cos^{6}(\beta)+10\sin^{6}(\beta)\cos^{6}(\beta)+10\sin^{6}(\beta)\cos^{6}(\beta)+10\sin^{6}(\beta)\cos^{6}(\beta)+10\sin^{6}(\beta)\cos^{6}(\beta)+10\sin^{6}(\beta)\cos^{6}(\beta)+10\sin^{6}(\beta)\cos^{6}(\beta)+10\sin^{6}(\beta)\cos^{6}(\beta)+10\sin^{6}(\beta)\cos^{6}(\beta)+10\sin^{6}(\beta)\cos^{6}(\beta)+10\sin^{6}(\beta)\cos^{6}(\beta)+10\sin^{6}(\beta)\cos^{6}(\beta)+10\sin^{6}(\beta)\cos^{6}(\beta)+10\sin^{6}(\beta)\cos^{6}(\beta)+10\sin^{6}(\beta)\cos^{6}(\beta)+10\sin^{6}(\beta)\cos^{6}(\beta)+10\sin^{6}(\beta)\cos^{6}(\beta)+10\sin^{6}(\beta)\cos^{6}(\beta)+10\sin^{6}(\beta)\cos^{6}(\beta)+10\sin^{6}(\beta)\cos^{6}(\beta)+10\sin^{6}(\beta)\cos^{6}(\beta)+10\sin^{6}(\beta)\cos^{6}(\beta)+10\sin^{6}(\beta)\cos^{6}(\beta)+10\sin^{6}(\beta)\cos^{6}(\beta)+10\sin^{6}(\beta)\cos^{6}(\beta)+10\sin^{6}(\beta)\cos^{6}(\beta)+10\sin
+e^{4i\gamma}\left(8i\cos^{3}(\beta)\sin^{5}(\beta)-8i\cos^{5}(\beta)\sin^{3}(\beta)\right)\left(5i\sin(\beta)\cos^{7}(\beta)-12\sin^{2}(\beta)\cos^{6}(\beta)-33i\sin^{3}(\beta)\cos^{5}(\beta)+40\sin^{4}(\beta)\cos^{4}(\beta)\sin^{2}(\beta)\cos^{4}(\beta)\sin^{2}(\beta)\cos^{4}(\beta)\sin^{2}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos
+33i\sin^{5}(\beta)\cos^{3}(\beta)-12\sin^{6}(\beta)\cos^{2}(\beta)-5i\sin^{7}(\beta)\cos(\beta)+e^{-8i\gamma}\left(i\cos^{3}(\beta)\sin^{5}(\beta)-i\cos^{5}(\beta)\sin^{3}(\beta)\right)+e^{-4i\gamma}\left(-6\sin^{2}(\beta)\cos^{2}(\beta)-i\cos^{2}(\beta)\sin^{2}(\beta)\cos^{2}(\beta)\right)
+e^{8i\gamma}\left(i\cos^{7}(\beta)\sin(\beta)-i\cos(\beta)\sin^{7}(\beta)\right)+e^{4i\gamma}\left(\cos^{8}(\beta)+2i\sin(\beta)\cos^{7}(\beta)-10\sin^{2}(\beta)\cos^{6}(\beta)-10i\sin^{3}(\beta)\cos^{5}(\beta)+10\sin^{4}(\beta)\cos^{2}(\beta)\sin^{2}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^
+e^{-4i\gamma} \left( i \sin(\beta) \cos^7(\beta) - 7i \sin^3(\beta) \cos^5(\beta) + 7i \sin^5(\beta) \cos^3(\beta) - i \sin^7(\beta) \cos(\beta) \right) \left( 4i \sin(\beta) \cos^7(\beta) - 16 \sin^2(\beta) \cos^6(\beta) \right)
  -34i\sin^{3}(\beta)\cos^{5}(\beta) + 32\sin^{4}(\beta)\cos^{4}(\beta) + 34i\sin^{5}(\beta)\cos^{3}(\beta) - 16\sin^{6}(\beta)\cos^{2}(\beta) - 4i\sin^{7}(\beta)\cos(\beta) + e^{-8i\gamma}\left(i\cos^{3}(\beta)\sin^{5}(\beta)\cos^{4}(\beta) + 32\sin^{4}(\beta)\cos^{4}(\beta)\right) + 32\sin^{4}(\beta)\cos^{4}(\beta) + 34i\sin^{5}(\beta)\cos^{3}(\beta) - 16\sin^{6}(\beta)\cos^{2}(\beta) - 4i\sin^{7}(\beta)\cos(\beta) + e^{-8i\gamma}\left(i\cos^{3}(\beta)\sin^{5}(\beta)\cos^{4}(\beta)\right) + 32\sin^{4}(\beta)\cos^{4}(\beta) + 34i\sin^{5}(\beta)\cos^{3}(\beta) - 16\sin^{6}(\beta)\cos^{2}(\beta) - 4i\sin^{7}(\beta)\cos(\beta) + e^{-8i\gamma}\left(i\cos^{3}(\beta)\sin^{5}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^
+e^{8i\gamma}(i\cos^3(\beta)\sin^5(\beta)-i\cos^5(\beta)\sin^3(\beta))+e^{4i\gamma}(-4\sin^2(\beta)\cos^6(\beta)-12i\sin^3(\beta)\cos^5(\beta)+24\sin^4(\beta)\cos^4(\beta)+12i\sin^5(\beta)\cos^5(\beta)
+e^{-4i\gamma}\left(\cos^{8}(\beta)+4i\sin(\beta)\cos^{7}(\beta)-8\sin^{2}(\beta)\cos^{6}(\beta)-8i\sin^{3}(\beta)\cos^{5}(\beta)+14\sin^{4}(\beta)\cos^{4}(\beta)+8i\sin^{5}(\beta)\cos^{3}(\beta)-8\sin^{6}(\beta)\cos^{6}(\beta)+4i\sin^{4}(\beta)\cos^{5}(\beta)+4i\sin^{4}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\sin^{5}(\beta)+8i\sin^{5}(\beta)\sin^{5}(\beta)
+e^{4i\gamma} \left( i \sin(\beta) \cos^7(\beta) - 7 i \sin^3(\beta) \cos^5(\beta) + 7 i \sin^5(\beta) \cos^3(\beta) - i \sin^7(\beta) \cos(\beta) \right) \left( 4 i \sin(\beta) \cos^7(\beta) - 16 \sin^2(\beta) \cos^6(\beta) + 2 \sin^2(\beta) \cos^2(\beta) \right) + 2 \sin^2(\beta) \cos^2(\beta) + 2 \sin^2(\beta) \cos^2(\beta) \cos^
    -34i\sin^{3}(\beta)\cos^{5}(\beta) + 32\sin^{4}(\beta)\cos^{4}(\beta) + 34i\sin^{5}(\beta)\cos^{3}(\beta) - 16\sin^{6}(\beta)\cos^{2}(\beta) - 4i\sin^{7}(\beta)\cos(\beta) + e^{-8i\gamma}\left(i\cos^{3}(\beta)\sin^{5}(\beta)\cos^{4}(\beta)\cos^{2}(\beta)\right) + 32\sin^{4}(\beta)\cos^{4}(\beta) + 34i\sin^{5}(\beta)\cos^{3}(\beta) - 16\sin^{6}(\beta)\cos^{2}(\beta) - 4i\sin^{7}(\beta)\cos(\beta) + e^{-8i\gamma}\left(i\cos^{3}(\beta)\sin^{5}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)
  +e^{8i\gamma}\left(i\cos^{3}(\beta)\sin^{5}(\beta)-i\cos^{5}(\beta)\sin^{3}(\beta)\right)+e^{-4i\gamma}\left(-4\sin^{2}(\beta)\cos^{6}(\beta)-12i\sin^{3}(\beta)\cos^{5}(\beta)+24\sin^{4}(\beta)\cos^{4}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+24\sin^{4}(\beta)\cos^{4}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+24\sin^{4}(\beta)\cos^{5}(\beta)+24\sin^{4}(\beta)\cos^{5}(\beta)+24\sin^{4}(\beta)\cos^{5}(\beta)+24\sin^{4}(\beta)\cos^{5}(\beta)+24\sin^{4}(\beta)\cos^{5}(\beta)+24\sin^{4}(\beta)\cos^{5}(\beta)+24\sin^{4}(\beta)\cos^{5}(\beta)+24\sin^{4}(\beta)\cos^{5}(\beta)+24\sin^{4}(\beta)\cos^{5}(\beta)+24\sin^{4}(\beta)\cos^{5}(\beta)+24\sin^{4}(\beta)\cos^{5}(\beta)+24\sin^{4}(\beta)\cos^{5}(\beta)+24\sin^{4}(\beta)\cos^{5}(\beta)+24\sin^{4}(\beta)\cos^{5}(\beta)+24\sin^{4}(\beta)\cos^{5}(\beta)+24\sin^{4}(\beta)\cos^{5}(\beta)+24\sin^{4}(\beta)\cos^{5}(\beta)+24\sin^{4}(\beta)\cos^{5}(\beta)+24\sin^{4}(\beta)\cos^{5}(\beta)+24\sin^{4}(\beta)\cos^{5}(\beta)+24\sin^{4}(\beta)\cos^{5}(\beta)+24\sin^{4}(\beta)\cos^{5}(\beta)+24\sin^{4}(\beta)\cos^{5}(\beta)+24\sin^{4}(\beta)\cos^{5}(\beta)+24\sin^{4}(\beta)\cos^{5}(\beta)+24\sin^{4}(\beta)\cos^{5}(\beta)+24\sin^{4}(\beta)\cos^{5}(\beta)+24\sin^{4}(\beta)\cos^{5}(\beta)+24\sin^{4}(\beta)\cos^{5}(\beta)+24\sin^{4}(\beta)\cos^{5}(\beta)+24\sin^{4}(\beta)\cos^{5}(\beta)+24\sin^{4}(\beta)\cos^{5}(\beta)+24\sin^{4}(\beta)\cos^{5}(\beta)+24\sin^{4}(\beta)\cos^{5}(\beta)+24\sin^{4}(\beta)\cos^{5}(\beta)+24\sin^{4}(\beta)\cos^{5}(\beta)+24\sin^{4}(\beta)\cos^{5}(\beta)+24\sin^{4}(\beta)\cos^{5}(\beta)+24\sin^{4}(\beta)\cos^{5}(\beta)+24\sin^{4}(\beta)\cos^{5}(\beta)+24\sin^{4}(\beta)\cos^{5}(\beta)+24\sin^{4}(\beta)\cos^{5}(\beta)+24\sin^{4}(\beta)\cos^{5}(\beta)+24\sin^{4}(\beta)\cos^{5}(\beta)+24\sin^{4}(\beta)\cos^{5}(\beta)+24\sin^{4}(\beta)\cos^{5}(\beta)+24\sin^{4}(\beta)\cos^{5}(\beta)+24\sin^{4}(\beta)\cos^{5}(\beta)+24\sin^{4}(\beta)\cos^{5}(\beta)+24\sin^{4}(\beta)\cos^{5}(\beta)+24\sin^{4}(\beta)\cos^{5}(\beta)+24\sin^{4}(\beta)\cos^{5}(\beta)+24\sin^{4}(\beta)\cos^{5}(\beta)+24\sin^{4}(\beta)\cos^{5}(\beta)+24\sin^{4}(\beta)\cos^{5}(\beta)+24\sin^{4}(\beta)\cos^{5}(\beta)+24\sin^{4}(\beta)\cos^{5}(\beta)+24\sin^{4}(\beta)\cos^{5}(\beta)+24\sin^{4}(\beta)\cos^{5}(\beta)+24\sin^{4}(\beta)\cos^{5}(\beta)+24\sin^{4}(\beta)\cos^{5}(\beta)+24\sin^{4}(\beta)\cos^{5}(\beta)+24\sin^{4}(\beta)\cos^{5}(\beta)+24\sin^{4}(\beta)\cos^{5}(\beta)+24\sin^{4}(\beta)\cos^{5}(\beta)+24\sin^{4}(\beta)\cos^{5}(\beta)+24\sin^{4}(\beta)\cos^{5}(\beta)+24\sin^{4}(\beta)\cos^{5}(\beta)+24\sin^{4}(\beta)\cos^{5}(\beta)+24\sin^{4}(\beta)\cos^{5}(\beta)+24\sin^{4}(\beta)\cos^{5}(\beta)+24\sin^{4}(\beta)\cos^{5}(\beta)+24\sin^{4}(\beta)\cos^{5}(\beta)+24\sin^{4}(\beta)\cos^{5}(\beta)+24\sin^{4}(\beta)\cos^{5}(\beta)+24\sin^{4}(\beta)\cos^{5}(\beta)+24\sin^{4}(\beta)\cos^{5}(\beta)+24\sin^{4}(\beta)\cos^{5}(\beta)+24\sin^{4}(\beta)\cos^{5}(\beta)+24\sin^{4}(\beta)\cos^{5}(\beta)+24\sin^{4}(\beta)\cos^{5}(\beta)+24\sin^{4}(\beta)\cos^{5}(\beta)+24\sin^{4}(\beta)\cos^{5}(\beta)+24\sin^{4}(\beta)\cos^{5}(\beta)+24\sin^{4}(\beta)\cos^{5}(\beta)+24\sin^{4}(\beta)\cos^{5}(\beta)+24\sin^{4}(\beta)\cos^{5}(\beta)+24\sin^{4}(\beta)\cos^{5}(\beta)+24\sin^{5}(\beta)\cos^{5}(\beta)+24\sin^{5}(\beta)\cos^{5}(\beta)+24\sin^{5}(\beta)\cos^{5}(\beta)+24\sin^{5}(\beta)\cos^{5}(\beta)+24\sin^{5}(\beta)\cos^{5}(\beta)+24\sin^{5}(\beta)\cos^{5}(\beta)+24\sin^{5}(\beta)+24\sin^{5}(\beta)+24\sin^{5}(\beta)+24\sin^{5}(\beta)+24\sin^{5}(\beta)+24\sin^{5}(\beta)+24\sin^{5}(\beta)+24\sin^{5
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((2i\cos^3(\beta)\sin^5(\beta) - 2i\cos^5(\beta)\sin^3(\beta))(\cos^8(\beta) + 8i\sin(\beta)\cos^7(\beta) - 20\sin^2(\beta)\cos^6(\beta))
    -24i\sin^{3}(\beta)\cos^{5}(\beta) + 2e^{-8i\gamma}\sin^{4}(\beta)\cos^{4}(\beta) + 2e^{8i\gamma}\sin^{4}(\beta)\cos^{4}(\beta) + 34\sin^{4}(\beta)\cos^{4}(\beta)
+24i\sin^{5}(\beta)\cos^{3}(\beta) - 20\sin^{6}(\beta)\cos^{2}(\beta) - 8i\sin^{7}(\beta)\cos(\beta) + \sin^{8}(\beta)
  +e^{-4i\gamma}\left(-4\sin^2(\beta)\cos^6(\beta)-16i\sin^3(\beta)\cos^5(\beta)+16\sin^4(\beta)\cos^4(\beta)+16i\sin^5(\beta)\cos^3(\beta)-4\sin^6(\beta)\cos^2(\beta)\right)
+e^{4i\gamma}\left(-4\sin^2(\beta)\cos^6(\beta)-16i\sin^3(\beta)\cos^5(\beta)+16\sin^4(\beta)\cos^4(\beta)+16i\sin^5(\beta)\cos^3(\beta)-4\sin^6(\beta)\cos^2(\beta)\right)
+(-6\sin^2(\beta)\cos^6(\beta)+20\sin^4(\beta)\cos^4(\beta)-6\sin^6(\beta)\cos^2(\beta))(\cos^8(\beta)+6i\sin(\beta)\cos^7(\beta)-16\sin^2(\beta)\cos^6(\beta)
  -32i\sin^{3}(\beta)\cos^{5}(\beta) + 30\sin^{4}(\beta)\cos^{4}(\beta) + 32i\sin^{5}(\beta)\cos^{3}(\beta) - 16\sin^{6}(\beta)\cos^{2}(\beta) - 6i\sin^{7}(\beta)\cos(\beta)
+\sin^{8}(\beta) + e^{-8i\gamma} \left(i\cos^{3}(\beta)\sin^{5}(\beta) - i\cos^{5}(\beta)\sin^{3}(\beta)\right) + e^{8i\gamma} \left(i\cos^{3}(\beta)\sin^{5}(\beta) - i\cos^{5}(\beta)\sin^{3}(\beta)\right)
+e^{-4i\gamma}(i\sin(\beta)\cos^{7}(\beta)-6\sin^{2}(\beta)\cos^{6}(\beta)-11i\sin^{3}(\beta)\cos^{5}(\beta)+20\sin^{4}(\beta)\cos^{4}(\beta)+11i\sin^{5}(\beta)\cos^{3}(\beta)-6\sin^{6}(\beta)\cos^{2}(\beta)
  +e^{4i\gamma}\left(i\sin(\beta)\cos^{7}(\beta)-6\sin^{2}(\beta)\cos^{6}(\beta)-11i\sin^{3}(\beta)\cos^{5}(\beta)+20\sin^{4}(\beta)\cos^{4}(\beta)+11i\sin^{5}(\beta)\cos^{3}(\beta)-6\sin^{6}(\beta)\cos^{2}(\beta)-11i\sin^{3}(\beta)\cos^{5}(\beta)+20\sin^{4}(\beta)\cos^{4}(\beta)+11i\sin^{5}(\beta)\cos^{3}(\beta)-6\sin^{6}(\beta)\cos^{2}(\beta)-11i\sin^{3}(\beta)\cos^{5}(\beta)+20\sin^{4}(\beta)\cos^{4}(\beta)+11i\sin^{5}(\beta)\cos^{3}(\beta)-6\sin^{6}(\beta)\cos^{2}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)+11i\sin^{5}(\beta)+11i\sin^{5}(\beta)+11i\sin^{5}(\beta)+11i\sin^{5}(\beta)+11i\sin^{5}(\beta)
  + (i\sin(\beta)\cos^7(\beta) - 7i\sin^3(\beta)\cos^5(\beta) + 7i\sin^5(\beta)\cos^3(\beta) - i\sin^7(\beta)\cos(\beta))(\cos^8(\beta) + 6i\sin(\beta)\cos^7(\beta)
  -16\sin^2(\beta)\cos^6(\beta) - 26i\sin^3(\beta)\cos^5(\beta) + 2e^{-8i\gamma}\sin^4(\beta)\cos^4(\beta) + 2e^{8i\gamma}\sin^4(\beta)\cos^4(\beta)
  +42\sin^4(\beta)\cos^4(\beta) + 26i\sin^5(\beta)\cos^3(\beta) - 16\sin^6(\beta)\cos^2(\beta) - 6i\sin^7(\beta)\cos(\beta) + \sin^8(\beta)
  +e^{-4i\gamma}\left(i\sin(\beta)\cos^{7}(\beta)-6\sin^{2}(\beta)\cos^{6}(\beta)-15i\sin^{3}(\beta)\cos^{5}(\beta)+12\sin^{4}(\beta)\cos^{4}(\beta)+15i\sin^{5}(\beta)\cos^{3}(\beta)-6\sin^{6}(\beta)\cos^{2}(\beta)+12\sin^{4}(\beta)\cos^{4}(\beta)+15i\sin^{5}(\beta)\cos^{3}(\beta)+12\sin^{4}(\beta)\cos^{4}(\beta)+15i\sin^{5}(\beta)\cos^{3}(\beta)+12\sin^{4}(\beta)\cos^{4}(\beta)+15i\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{4}(\beta)\cos^{4}(\beta)+15i\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{4}(\beta)\cos^{5}(\beta)+12\sin^{4}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)+12\sin^{5}(\beta)+12\sin^{5}(\beta)+12\sin^{5}(\beta)+12\sin^{5}(\beta)+12\sin
+e^{4i\gamma}\left(i\sin(\beta)\cos^{7}(\beta)-6\sin^{2}(\beta)\cos^{6}(\beta)-15i\sin^{3}(\beta)\cos^{5}(\beta)+12\sin^{4}(\beta)\cos^{4}(\beta)+15i\sin^{5}(\beta)\cos^{3}(\beta)-6\sin^{6}(\beta)\cos^{2}(\beta)-15i\sin^{3}(\beta)\cos^{5}(\beta)+12\sin^{4}(\beta)\cos^{4}(\beta)+15i\sin^{5}(\beta)\cos^{3}(\beta)-6\sin^{6}(\beta)\cos^{2}(\beta)-15i\sin^{4}(\beta)\cos^{5}(\beta)+12\sin^{4}(\beta)\cos^{4}(\beta)+15i\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{4}(\beta)\cos^{5}(\beta)+12\sin^{4}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin
+(-10\sin^2(\beta)\cos^6(\beta)+12\sin^4(\beta)\cos^4(\beta)-10\sin^6(\beta)\cos^2(\beta))(\cos^8(\beta)+4i\sin(\beta)\cos^7(\beta)-12\sin^2(\beta)\cos^6(\beta)
    -34i\sin^{3}(\beta)\cos^{5}(\beta) + 38\sin^{4}(\beta)\cos^{4}(\beta) + 34i\sin^{5}(\beta)\cos^{3}(\beta) - 12\sin^{6}(\beta)\cos^{2}(\beta) - 4i\sin^{7}(\beta)\cos(\beta) + \sin^{8}(\beta) + e^{-8i\gamma}\left(i\cos^{3}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{3}(\beta)\right) + \sin^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos
+e^{8i\gamma} \left( i\cos^3(\beta)\sin^5(\beta) - i\cos^5(\beta)\sin^3(\beta) \right) + e^{-4i\gamma} \left( 2i\sin(\beta)\cos^7(\beta) - 8\sin^2(\beta)\cos^6(\beta) - 10i\sin^3(\beta)\cos^5(\beta) + 16\sin^4(\beta)\cos^5(\beta) + 16\sin^2(\beta)\cos^2(\beta) + 16\sin^2(\beta)\cos^2(\beta)\cos^2(\beta) + 16\sin^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta
+e^{4i\gamma} \left(2i\sin(\beta)\cos^{7}(\beta)-8\sin^{2}(\beta)\cos^{6}(\beta)-10i\sin^{3}(\beta)\cos^{5}(\beta)+16\sin^{4}(\beta)\cos^{4}(\beta)+10i\sin^{5}(\beta)\cos^{3}(\beta)-8\sin^{6}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)+10i\sin^{2}(\beta)+10i\sin^{2}(\beta)+10i\sin^{2}(\beta)+10i\sin^{2}(\beta)+10i
  +(8i\cos^{3}(\beta)\sin^{5}(\beta)-8i\cos^{5}(\beta)\sin^{3}(\beta))(\cos^{8}(\beta)+4i\sin(\beta)\cos^{7}(\beta)-15\sin^{2}(\beta)\cos^{6}(\beta)-28i\sin^{3}(\beta)\cos^{5}(\beta)+2e^{8i\gamma}\sin^{4}(\beta)\cos^{6}(\beta)
+44\sin^4(\beta)\cos^4(\beta) + 28i\sin^5(\beta)\cos^3(\beta) - 15\sin^6(\beta)\cos^2(\beta) - 4i\sin^7(\beta)\cos(\beta) + \sin^8(\beta) + e^{-8i\gamma}(-\sin^2(\beta)\cos^6(\beta) - \sin^6(\beta)\cos^6(\beta) + \sin^6(\beta) 
  +e^{4i\gamma}\left(2i\sin(\beta)\cos^{7}(\beta)-7\sin^{2}(\beta)\cos^{6}(\beta)-14i\sin^{3}(\beta)\cos^{5}(\beta)+10\sin^{4}(\beta)\cos^{4}(\beta)+14i\sin^{5}(\beta)\cos^{3}(\beta)-7\sin^{6}(\beta)\cos^{2}(\beta)-14i\sin^{3}(\beta)\cos^{5}(\beta)+10\sin^{4}(\beta)\cos^{4}(\beta)+14i\sin^{5}(\beta)\cos^{3}(\beta)-7\sin^{6}(\beta)\cos^{2}(\beta)-14i\sin^{3}(\beta)\cos^{5}(\beta)+10\sin^{4}(\beta)\cos^{4}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)-14i\sin^{5}(\beta)\cos^{5}(\beta)+10\sin^{4}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+10\sin^{4}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+10\sin^{5}(\beta)\cos^{5}(\beta)+10\sin^{5}(\beta)\cos^{5}(\beta)+10\sin^{5}(\beta)\cos^{5}(\beta)+10\sin^{5}(\beta)\cos^{5}(\beta)+10\sin^{5}(\beta)\cos^{5}(\beta)+10\sin^{5}(\beta)\cos^{5}(\beta)+10\sin^{5}(\beta)\cos^{5}(\beta)+10\sin^{5}(\beta)\cos^{5}(\beta)+10\sin^{5}(\beta)\cos^{5}(\beta)+10\sin^{5}(\beta)\cos^{5}(\beta)+10\sin^{5}(\beta)\cos^{5}(\beta)+10\sin^{5}(\beta)\cos^{5}(\beta)+10\sin^{5}(\beta)\cos^{5}(\beta)+10\sin^{5}(\beta)\cos^{5}(\beta)+10\sin^{5}(\beta)\cos^{5}(\beta)+10\sin^{5}(\beta)\cos^{5}(\beta)+10\sin^{5}(\beta)\cos^{5}(\beta)+10\sin^{5}(\beta)\cos^{5}(\beta)+10\sin^{5}(\beta)\cos^{5}(\beta)+10\sin^{5}(\beta)\cos^{5}(\beta)+10\sin^{5}(\beta)\cos^{5}(\beta)+10\sin^{5}(\beta)\cos^{5}(\beta)+10\sin^{5}(\beta)\cos^{5}(\beta)+10\sin^{5}(\beta)\cos^{5}(\beta)+10\sin^{5}(\beta)\cos^{5}(\beta)+10\sin^{5}(\beta)\cos^{5}(\beta)+10\sin^{5}(\beta)\cos^{5}(\beta)+10\sin^{5}(\beta)\cos^{5}(\beta)+10\sin^{5}(\beta)\cos^{5}(\beta)+10\sin^{5}(\beta)\cos^{5}(\beta)+10\sin^{5}(\beta)\cos^{5}(\beta)+10\sin^{5}(\beta)\cos^{5}(\beta)+10\sin^{5}(\beta)\cos^{5}(\beta)+10\sin^{5}(\beta)\cos^{5}(\beta)+10\sin^{5}(\beta)\cos^{5}(\beta)+10\sin^{5}(\beta)\cos^{5}(\beta)+10\sin^{5}(\beta)\cos^{5}(\beta)+10\sin^{5}(\beta)\cos^{5}(\beta)+10\sin^{5}(\beta)\cos^{5}(\beta)+10\sin^{5}(\beta)\cos^{5}(\beta)+10\sin^{5}(\beta)\cos^{5}(\beta)+10\sin^{5}(\beta)\cos^{5}(\beta)+10\sin^{5}(\beta)\cos^{5}(\beta)+10\sin^{5}(\beta)\cos^{5}(\beta)+10\sin^{5}(\beta)\cos^{5}(\beta)+10\sin^{5}(\beta)\cos^{5}(\beta)+10\sin^{5}(\beta)\cos^{5}(\beta)+10\sin^{5}(\beta)\cos^{5}(\beta)+10\sin^{5}(\beta)\cos^{5}(\beta)+10\sin^{5}(\beta)\cos^{5}(\beta)+10\sin^{5}(\beta)\cos^{5}(\beta)+10\sin^{5}(\beta)\cos^{5}(\beta)+10\sin^{5}(\beta)\cos^{5}(\beta)+10\sin^{5}(\beta)\cos^{5}(\beta)+10\sin^{5}(\beta)\cos^{5}(\beta)+10\sin^{5}(\beta)\cos^{5}(\beta)+10\sin^{5}(\beta)\cos^{5}(\beta)+10\sin^{5}(\beta)\cos^{5}(\beta)+10\sin^{5}(\beta)\cos^{5}(\beta)+10\sin^{5}(\beta)\cos^{5}(\beta)+10\sin^{5}(\beta)\cos^{5}(\beta)+10\sin^{5}(\beta)\cos^{5}(\beta)+10\sin^{5}(\beta)\cos^{5}(\beta)+10\sin^{5}(\beta)\cos^{5}(\beta)+10\sin^{5}(\beta)\cos^{5}(\beta)+10\sin^{5}(\beta)\cos^{5}(\beta)+10\sin^{5}(\beta)\cos^{5}(\beta)+10\sin^{5}(\beta)\cos^{5}(\beta)+10\sin^{5}(\beta)\cos^{5}(\beta)+10\sin^{5}(\beta)\cos^{5}(\beta)+10\sin^{5}(\beta)\cos^{5}(\beta)+10\sin^{5}(\beta)\cos^{5}(\beta)+10\sin^{5}(\beta)\cos^{5}(\beta)+10\sin^{5}(\beta)\cos^{5}(\beta)+10\sin^{5}(\beta)\cos^{5}(\beta)+10\sin^{5}(\beta)\cos^{5}(\beta)+10\sin^{5}(\beta)\cos^{5}(\beta)+10\sin^{5}(\beta)\cos^{5}(\beta)+10\sin^{5}(\beta)\cos^{5}(\beta)+10\sin^{5}(\beta)\cos^{5}(\beta)+10\sin^{5}(\beta)\cos^{5}(\beta)+10\sin^{5}(\beta)\cos^{5}(\beta)+10\sin^{5}(\beta)\cos^{5}(\beta)+10\sin^{5}(\beta)\cos^{5}(\beta)+10\sin^{5}(\beta)\cos^{5}(\beta)+10\sin^{5}(\beta)+10\sin^{5}(\beta)+10\sin^{5}(\beta)+10\sin^{5}(\beta)+10\sin^{5}(\beta)+10\sin^{5}(\beta)+10\sin^{5}(\beta
  +e^{-4i\gamma}(2i\sin(\beta)\cos^{7}(\beta)-5\sin^{2}(\beta)\cos^{6}(\beta)-14i\sin^{3}(\beta)\cos^{5}(\beta)+14\sin^{4}(\beta)\cos^{4}(\beta)+14i\sin^{5}(\beta)\cos^{3}(\beta)-5\sin^{6}(\beta)\cos^{2}(\beta)
  +(2i\sin(\beta)\cos^{7}(\beta)-6i\sin^{3}(\beta)\cos^{5}(\beta)+6i\sin^{5}(\beta)\cos^{3}(\beta)-2i\sin^{7}(\beta)\cos(\beta))(\cos^{8}(\beta)+4i\sin(\beta)\cos^{7}(\beta)-15\sin^{2}(\beta)\cos^{6}(\beta)
  -28i\sin^{3}(\beta)\cos^{5}(\beta)+2e^{-8i\gamma}\sin^{4}(\beta)\cos^{4}(\beta)+44\sin^{4}(\beta)\cos^{4}(\beta)+28i\sin^{5}(\beta)\cos^{3}(\beta)-15\sin^{6}(\beta)\cos^{2}(\beta)-4i\sin^{7}(\beta)\cos(\beta)
+\sin^{8}(\beta) + e^{8i\gamma} \left(-\sin^{2}(\beta)\cos^{6}(\beta) - \sin^{6}(\beta)\cos^{2}(\beta)\right) + e^{-4i\gamma} \left(2i\sin(\beta)\cos^{7}(\beta) - 7\sin^{2}(\beta)\cos^{6}(\beta) - 14i\sin^{3}(\beta)\cos^{5}(\beta) + 10\sin^{2}(\beta)\cos^{6}(\beta)\right)
+e^{4i\gamma} \left(2i\sin(\beta)\cos^{7}(\beta)-5\sin^{2}(\beta)\cos^{6}(\beta)-14i\sin^{3}(\beta)\cos^{5}(\beta)+14\sin^{4}(\beta)\cos^{4}(\beta)+14i\sin^{5}(\beta)\cos^{3}(\beta)-5\sin^{6}(\beta)\cos^{2}(\beta)-14i\sin^{3}(\beta)\cos^{5}(\beta)+14\sin^{4}(\beta)\cos^{4}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{4}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)+14\sin^{5}(\beta)+14\sin^{5}(\beta)+14\sin^{5}
+(4i\cos^{3}(\beta)\sin^{5}(\beta)-4i\cos^{5}(\beta)\sin^{3}(\beta))(\cos^{8}(\beta)+4i\sin(\beta)\cos^{7}(\beta)-18\sin^{2}(\beta)\cos^{6}(\beta)-28i\sin^{3}(\beta)\cos^{5}(\beta)+38\sin^{4}(\beta)\cos^{6}(\beta)
  +28i\sin^{5}(\beta)\cos^{3}(\beta)-18\sin^{6}(\beta)\cos^{2}(\beta)-4i\sin^{7}(\beta)\cos(\beta)+\sin^{8}(\beta)+e^{-8i\gamma}\left(-\sin^{2}(\beta)\cos^{6}(\beta)-\sin^{6}(\beta)\cos^{2}(\beta)\right)
+e^{8i\gamma}\left(-\sin^2(\beta)\cos^6(\beta)-\sin^6(\beta)\cos^2(\beta)\right)+e^{-4i\gamma}\left(2i\sin(\beta)\cos^7(\beta)-4\sin^2(\beta)\cos^6(\beta)-14i\sin^3(\beta)\cos^5(\beta)+16\sin^4(\beta)\cos^2(\beta)\right)
+e^{4i\gamma}(2i\sin(\beta)\cos^{7}(\beta)-4\sin^{2}(\beta)\cos^{6}(\beta)-14i\sin^{3}(\beta)\cos^{5}(\beta)+16\sin^{4}(\beta)\cos^{4}(\beta)+14i\sin^{5}(\beta)\cos^{3}(\beta)-4\sin^{6}(\beta)\cos^{2}(\beta)
  +(i\sin(\beta)\cos^{7}(\beta)-7i\sin^{3}(\beta)\cos^{5}(\beta)+7i\sin^{5}(\beta)\cos^{3}(\beta)-i\sin^{7}(\beta)\cos(\beta))(\cos^{8}(\beta)+2i\sin(\beta)\cos^{7}(\beta)-14\sin^{2}(\beta)\cos^{6}(\beta)
  -30i\sin^{3}(\beta)\cos^{5}(\beta) + 46\sin^{4}(\beta)\cos^{4}(\beta) + 30i\sin^{5}(\beta)\cos^{3}(\beta) - 14\sin^{6}(\beta)\cos^{2}(\beta) - 2i\sin^{7}(\beta)\cos(\beta) + \sin^{8}(\beta) + e^{-8i\gamma}\left(-\sin^{2}(\beta)\cos^{2}(\beta) + 30i\sin^{2}(\beta)\cos^{2}(\beta)\right) + 30i\sin^{3}(\beta)\cos^{2}(\beta) + 30i\sin^{2}(\beta)\cos^{2}(\beta) + 30i\sin^{2}(\beta) + 3
+e^{8i\gamma}\left(-\sin^2(\beta)\cos^6(\beta)-\sin^6(\beta)\cos^2(\beta)\right)+e^{-4i\gamma}\left(3i\sin(\beta)\cos^7(\beta)-6\sin^2(\beta)\cos^6(\beta)-13i\sin^3(\beta)\cos^5(\beta)+12\sin^4(\beta)\cos^2(\beta)\right)
  +e^{4i\gamma} \left(3i\sin(\beta)\cos^{7}(\beta)-6\sin^{2}(\beta)\cos^{6}(\beta)-13i\sin^{3}(\beta)\cos^{5}(\beta)+12\sin^{4}(\beta)\cos^{4}(\beta)+13i\sin^{5}(\beta)\cos^{3}(\beta)-6\sin^{6}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)+13i\sin^{2}(\beta)+13i\sin^{2}(\beta)+13i\sin^{2}(\beta)+13i\sin^{2}(\beta)+13i
+e^{-8i\gamma}\left(i\cos^{3}(\beta)\sin^{5}(\beta)-i\cos^{5}(\beta)\sin^{3}(\beta)\right)\left(-20\sin^{2}(\beta)\cos^{6}(\beta)-32i\sin^{3}(\beta)\cos^{5}(\beta)+2e^{8i\gamma}\sin^{4}(\beta)\cos^{4}(\beta)+36\sin^{4}(\beta)\cos^{4}(\beta)+36\sin^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)+36\sin^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)+36\sin^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(
  +32i\sin^{5}(\beta)\cos^{3}(\beta)-20\sin^{6}(\beta)\cos^{2}(\beta)+e^{4i\gamma}\left(-16i\sin^{3}(\beta)\cos^{5}(\beta)+24\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{5}(\beta)\cos^{3}(\beta)\right)+e^{-4i\gamma}\left(8i\sin^{5}(\beta)\cos^{5}(\beta)+24\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{5}(\beta)\cos^{3}(\beta)\right)
  +e^{-8i\gamma}\left(\cos^8(\beta)+\sin^8(\beta)\right)
  +e^{8i\gamma}\left(i\cos^{3}(\beta)\sin^{5}(\beta)-i\cos^{5}(\beta)\sin^{3}(\beta)\right)\left(-20\sin^{2}(\beta)\cos^{6}(\beta)-32i\sin^{3}(\beta)\cos^{5}(\beta)+2e^{-8i\gamma}\sin^{4}(\beta)\cos^{4}(\beta)+36\sin^{4}(\beta)\cos^{4}(\beta)\sin^{2}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta
+32i\sin^{5}(\beta)\cos^{3}(\beta)-20\sin^{6}(\beta)\cos^{2}(\beta)+e^{-4i\gamma}\left(-16i\sin^{3}(\beta)\cos^{5}(\beta)+24\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{5}(\beta)\cos^{3}(\beta)\right)
+e^{4i\gamma}(8i\sin(\beta)\cos^{7}(\beta)-8\sin^{2}(\beta)\cos^{6}(\beta)-8i\sin^{3}(\beta)\cos^{5}(\beta)+8\sin^{4}(\beta)\cos^{4}(\beta)+8i\sin^{5}(\beta)\cos^{3}(\beta)-8\sin^{6}(\beta)\cos^{2}(\beta)-8i\sin^{4}(\beta)\cos^{5}(\beta)
  +e^{8i\gamma}\left(\cos^8(\beta)+\sin^8(\beta)\right)
  +e^{-4i\gamma}\left(-3\sin^2(\beta)\cos^6(\beta)+10\sin^4(\beta)\cos^4(\beta)-3\sin^6(\beta)\cos^2(\beta)\right)\left(5i\sin(\beta)\cos^7(\beta)-12\sin^2(\beta)\cos^6(\beta)-33i\sin^3(\beta)\cos^5(\beta)\right)
+40\sin^4(\beta)\cos^4(\beta)+33i\sin^5(\beta)\cos^3(\beta)-12\sin^6(\beta)\cos^2(\beta)-5i\sin^7(\beta)\cos(\beta)+e^{8i\gamma}\left(i\cos^3(\beta)\sin^5(\beta)-i\cos^5(\beta)\sin^3(\beta)\right)
+e^{4i\gamma}\left(-6\sin^{2}(\beta)\cos^{6}(\beta)-12i\sin^{3}(\beta)\cos^{5}(\beta)+20\sin^{4}(\beta)\cos^{4}(\beta)+12i\sin^{5}(\beta)\cos^{3}(\beta)-6\sin^{6}(\beta)\cos^{2}(\beta)\right)+e^{-8i\gamma}\left(i\cos^{7}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)+12i\sin^{5}(\beta)\cos^{3}(\beta)-6\sin^{6}(\beta)\cos^{2}(\beta)\right)+e^{-8i\gamma}\left(i\cos^{7}(\beta)\cos^{4}(\beta)+12i\sin^{5}(\beta)\cos^{4}(\beta)+12i\sin^{5}(\beta)\cos^{4}(\beta)+12i\sin^{5}(\beta)\cos^{4}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)+12i\sin^{5}(\beta)+12i\sin^{5}(\beta)+12i\sin^{5}(\beta)+12i\sin^{5}(\beta)+12i\sin^{5}(\beta)+12i\sin^{5}(\beta
  +e^{-4i\gamma}(\cos^8(\beta)+2i\sin(\beta)\cos^7(\beta)-10\sin^2(\beta)\cos^6(\beta)-10i\sin^3(\beta)\cos^5(\beta)+10\sin^4(\beta)\cos^4(\beta)+10i\sin^5(\beta)\cos^3(\beta)-10\sin^2(\beta)\cos^6(\beta)
  +e^{4i\gamma}\left(-3\sin^2(\beta)\cos^6(\beta)+10\sin^4(\beta)\cos^4(\beta)-3\sin^6(\beta)\cos^2(\beta)\right)\left(5i\sin(\beta)\cos^7(\beta)-12\sin^2(\beta)\cos^6(\beta)-33i\sin^3(\beta)\cos^5(\beta)\right)
+40\sin^4(\beta)\cos^4(\beta)+33i\sin^5(\beta)\cos^3(\beta)-12\sin^6(\beta)\cos^2(\beta)-5i\sin^7(\beta)\cos(\beta)+e^{-8i\gamma}(i\cos^3(\beta)\sin^5(\beta)-i\cos^5(\beta)\sin^3(\beta))
  +e^{-4i\gamma}\left(-6\sin^2(\beta)\cos^6(\beta)-12i\sin^3(\beta)\cos^5(\beta)+20\sin^4(\beta)\cos^4(\beta)+12i\sin^5(\beta)\cos^3(\beta)-6\sin^6(\beta)\cos^2(\beta)\right)+e^{8i\gamma}\left(i\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos
+e^{4i\gamma}\left(\cos^{8}(\beta)+2i\sin(\beta)\cos^{7}(\beta)-10\sin^{2}(\beta)\cos^{6}(\beta)-10i\sin^{3}(\beta)\cos^{5}(\beta)+10\sin^{4}(\beta)\cos^{4}(\beta)+10i\sin^{5}(\beta)\cos^{3}(\beta)-10\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)\cos^{6}(\beta)+10i\sin^{6}(\beta)+10i\sin^{6}(\beta)+10i\sin^{6}(\beta)+10i\sin^{6}(\beta)+10i\sin^{6}(\beta)+10i\sin^{6}(\beta)+1
+e^{-4i\gamma}\left(\cos^{8}(\beta)-5\sin^{2}(\beta)\cos^{6}(\beta)+4\sin^{4}(\beta)\cos^{4}(\beta)\sum_{37}5\sin^{6}(\beta)\cos^{2}(\beta)+\sin^{8}(\beta)\right)\left(4i\sin(\beta)\cos^{7}(\beta)-16\sin^{2}(\beta)\cos^{6}(\beta)+4\sin^{4}(\beta)\cos^{4}(\beta)\sum_{37}5\sin^{6}(\beta)\cos^{2}(\beta)+\sin^{8}(\beta)\right)\left(4i\sin(\beta)\cos^{7}(\beta)-16\sin^{2}(\beta)\cos^{6}(\beta)+\sin^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)
    -34i\sin^{3}(\beta)\cos^{5}(\beta) + 32\sin^{4}(\beta)\cos^{4}(\beta) + 34i\sin^{5}(\beta)\cos^{3}(\beta) - 16\sin^{6}(\beta)\cos^{2}(\beta) - 4i\sin^{7}(\beta)\cos(\beta) + e^{-8i\gamma}\left(i\cos^{3}(\beta)\sin^{5}(\beta)\cos^{4}(\beta)\cos^{2}(\beta)\right) + 32\sin^{4}(\beta)\cos^{4}(\beta) + 34i\sin^{5}(\beta)\cos^{3}(\beta) - 16\sin^{6}(\beta)\cos^{2}(\beta) - 4i\sin^{7}(\beta)\cos(\beta) + e^{-8i\gamma}\left(i\cos^{3}(\beta)\sin^{5}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)
  +e^{8i\gamma}\left(i\cos^{3}(\beta)\sin^{5}(\beta)-i\cos^{5}(\beta)\sin^{3}(\beta)\right)+e^{4i\gamma}\left(-4\sin^{2}(\beta)\cos^{6}(\beta)-12i\sin^{3}(\beta)\cos^{5}(\beta)+24\sin^{4}(\beta)\cos^{4}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)+12i\sin^{5}(\beta)+12i\sin^{5}(\beta)+12i\sin^{5}(\beta)+12i\sin^{5}(\beta)+12i\sin^{5}(
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8v1 1 1 1 2 2
    (2e^{8i\gamma}\cos^4(\beta)(-20\sin^2(\beta)\cos^6(\beta)-32i\sin^3(\beta)\cos^5(\beta)+2e^{-8i\gamma}\sin^4(\beta)\cos^4(\beta)
    +36\sin^4(\beta)\cos^4(\beta) + 32i\sin^5(\beta)\cos^3(\beta) - 20\sin^6(\beta)\cos^2(\beta)
  +e^{-4i\gamma}\left(-16i\sin^3(\beta)\cos^5(\beta)+24\sin^4(\beta)\cos^4(\beta)+16i\sin^5(\beta)\cos^3(\beta)\right)
  +e^{4i\gamma}(8i\sin(\beta)\cos^{7}(\beta)-8\sin^{2}(\beta)\cos^{6}(\beta)-8i\sin^{3}(\beta)\cos^{5}(\beta)+8\sin^{4}(\beta)\cos^{4}(\beta)+8i\sin^{5}(\beta)\cos^{3}(\beta)-8\sin^{6}(\beta)\cos^{2}(\beta)-8i\sin^{4}(\beta)\cos^{5}(\beta)
    +e^{8i\gamma}\left(\cos^{8}(\beta)+\sin^{8}(\beta)\right)\sin^{4}(\beta)+\left(-\sin^{2}(\beta)\cos^{6}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)-\sin^{6}(\beta)\cos^{2}(\beta)\right)\left(\cos^{8}(\beta)+\sin^{8}(\beta)\cos^{4}(\beta)+\sin^{8}(\beta)\cos^{4}(\beta)+\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\right)
  +8i\sin(\beta)\cos^{7}(\beta) - 20\sin^{2}(\beta)\cos^{6}(\beta) - 24i\sin^{3}(\beta)\cos^{5}(\beta) + 2e^{-8i\gamma}\sin^{4}(\beta)\cos^{4}(\beta) + 2e^{8i\gamma}\sin^{4}(\beta)\cos^{4}(\beta)
    +34\sin^4(\beta)\cos^4(\beta) + 24i\sin^5(\beta)\cos^3(\beta) - 20\sin^6(\beta)\cos^2(\beta) - 8i\sin^7(\beta)\cos(\beta) + \sin^8(\beta)
  +e^{-4i\gamma}\left(-4\sin^2(\beta)\cos^6(\beta)-16i\sin^3(\beta)\cos^5(\beta)+16\sin^4(\beta)\cos^4(\beta)+16i\sin^5(\beta)\cos^3(\beta)-4\sin^6(\beta)\cos^2(\beta)\right)
  +e^{4i\gamma}\left(-4\sin^2(\beta)\cos^6(\beta)-16i\sin^3(\beta)\cos^5(\beta)+16\sin^4(\beta)\cos^4(\beta)+16i\sin^5(\beta)\cos^3(\beta)-4\sin^6(\beta)\cos^2(\beta)\right)
  + (2i\sin(\beta)\cos^7(\beta) - 14i\sin^3(\beta)\cos^5(\beta) + 14i\sin^5(\beta)\cos^3(\beta) - 2i\sin^7(\beta)\cos(\beta))(\cos^8(\beta)
    +6i\sin(\beta)\cos^{7}(\beta) - 16\sin^{2}(\beta)\cos^{6}(\beta) - 32i\sin^{3}(\beta)\cos^{5}(\beta) + 30\sin^{4}(\beta)\cos^{4}(\beta) + 32i\sin^{5}(\beta)\cos^{3}(\beta)
      -16\sin^{6}(\beta)\cos^{2}(\beta) - 6i\sin^{7}(\beta)\cos(\beta) + \sin^{8}(\beta) + e^{-8i\gamma}\left(i\cos^{3}(\beta)\sin^{5}(\beta) - i\cos^{5}(\beta)\sin^{3}(\beta)\right)
  +e^{8i\gamma}\left(i\cos^{3}(\beta)\sin^{5}(\beta)-i\cos^{5}(\beta)\sin^{3}(\beta)\right)+e^{-4i\gamma}\left(i\sin(\beta)\cos^{7}(\beta)-6\sin^{2}(\beta)\cos^{6}(\beta)-11i\sin^{3}(\beta)\cos^{5}(\beta)+20\sin^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4
  +e^{4i\gamma}(i\sin(\beta)\cos^{7}(\beta)-6\sin^{2}(\beta)\cos^{6}(\beta)-11i\sin^{3}(\beta)\cos^{5}(\beta)+20\sin^{4}(\beta)\cos^{4}(\beta)+11i\sin^{5}(\beta)\cos^{3}(\beta)-6\sin^{6}(\beta)\cos^{2}(\beta)-11i\sin^{3}(\beta)\cos^{5}(\beta)
  +(-4\sin^2(\beta)\cos^6(\beta)+8\sin^4(\beta)\cos^4(\beta)-4\sin^6(\beta)\cos^2(\beta))(\cos^8(\beta)+6i\sin(\beta)\cos^7(\beta)-16\sin^2(\beta)\cos^6(\beta)-26i\sin^3(\beta)\cos^2(\beta))
    +2e^{-8i\gamma}\sin^4(\beta)\cos^4(\beta)+2e^{8i\gamma}\sin^4(\beta)\cos^4(\beta)+42\sin^4(\beta)\cos^4(\beta)+26i\sin^5(\beta)\cos^3(\beta)-16\sin^6(\beta)\cos^2(\beta)-6i\sin^7(\beta)\cos^2(\beta)
  +\sin^{8}(\beta) + e^{-4i\gamma} \left( i\sin(\beta)\cos^{7}(\beta) - 6\sin^{2}(\beta)\cos^{6}(\beta) - 15i\sin^{3}(\beta)\cos^{5}(\beta) + 12\sin^{4}(\beta)\cos^{4}(\beta) + 15i\sin^{5}(\beta)\cos^{3}(\beta) - 6\sin^{6}(\beta)\cos^{6}(\beta) + 15i\sin^{6}(\beta)\cos^{6}(\beta) + 15i\sin^{6}(\beta) + 15i
  +e^{4i\gamma}(i\sin(\beta)\cos^{7}(\beta)-6\sin^{2}(\beta)\cos^{6}(\beta)-15i\sin^{3}(\beta)\cos^{5}(\beta)+12\sin^{4}(\beta)\cos^{4}(\beta)+15i\sin^{5}(\beta)\cos^{3}(\beta)-6\sin^{6}(\beta)\cos^{2}(\beta)-15i\sin^{3}(\beta)\cos^{5}(\beta)
  +(2i\sin(\beta)\cos^{7}(\beta)-14i\sin^{3}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{3}(\beta)-2i\sin^{7}(\beta)\cos(\beta))(\cos^{8}(\beta)+4i\sin(\beta)\cos^{7}(\beta)-12\sin^{2}(\beta)\cos^{2}(\beta)
    -34i\sin^{3}(\beta)\cos^{5}(\beta) + 38\sin^{4}(\beta)\cos^{4}(\beta) + 34i\sin^{5}(\beta)\cos^{3}(\beta) - 12\sin^{6}(\beta)\cos^{2}(\beta) - 4i\sin^{7}(\beta)\cos(\beta) + \sin^{8}(\beta) + e^{-8i\gamma}(i\cos^{3}(\beta)\cos^{3}(\beta) + \sin^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta) + \sin^{4}(\beta)\cos^{3}(\beta) + \sin^{4}(\beta)\cos^{4}(\beta) + \sin^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta) + \sin^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta) + \sin^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta) + \sin^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(
  +e^{8i\gamma}(i\cos^3(\beta)\sin^5(\beta)-i\cos^5(\beta)\sin^3(\beta))+e^{-4i\gamma}(2i\sin(\beta)\cos^7(\beta)-8\sin^2(\beta)\cos^6(\beta)-10i\sin^3(\beta)\cos^5(\beta)+16\sin^4(\beta)\cos^2(\beta)\sin^3(\beta)\sin^3(\beta)\sin^3(\beta)\cos^3(\beta)\sin^3(\beta)\cos^3(\beta)\sin^3(\beta)\cos^3(\beta)\sin^3(\beta)\cos^3(\beta)\sin^3(\beta)\cos^3(\beta)\sin^3(\beta)\cos^3(\beta)\sin^3(\beta)\cos^3(\beta)\cos^3(\beta)\sin^3(\beta)\cos^3(\beta)\cos^3(\beta)\sin^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^
    +e^{4i\gamma} \left(2i\sin(\beta)\cos^{7}(\beta)-8\sin^{2}(\beta)\cos^{6}(\beta)-10i\sin^{3}(\beta)\cos^{5}(\beta)+16\sin^{4}(\beta)\cos^{4}(\beta)+10i\sin^{5}(\beta)\cos^{3}(\beta)-8\sin^{6}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)+10i\sin^{2}(\beta)+10i\sin^{2}(\beta)+10i\sin^{2}(\beta)+10i\sin^{2}(\beta)+10i\sin^{2}(\beta)+10i\sin^{2}(\beta)+10i\sin^{2}(\beta)+10i\sin^{2}(\beta)+10i\sin^{2}(\beta)+10i
    +(-4\sin^2(\beta)\cos^6(\beta)+8\sin^4(\beta)\cos^4(\beta)-4\sin^6(\beta)\cos^2(\beta))(\cos^8(\beta)+4i\sin(\beta)\cos^7(\beta)-15\sin^2(\beta)\cos^6(\beta)-28i\sin^3(\beta)\cos^2(\beta)
  +2e^{8i\gamma}\sin^4(\beta)\cos^4(\beta)+44\sin^4(\beta)\cos^4(\beta)+28i\sin^5(\beta)\cos^3(\beta)-15\sin^6(\beta)\cos^2(\beta)-4i\sin^7(\beta)\cos(\beta)+\sin^8(\beta)
  +e^{-8i\gamma}\left(-\sin^{2}(\beta)\cos^{6}(\beta)-\sin^{6}(\beta)\cos^{2}(\beta)\right)+e^{4i\gamma}\left(2i\sin(\beta)\cos^{7}(\beta)-7\sin^{2}(\beta)\cos^{6}(\beta)-14i\sin^{3}(\beta)\cos^{5}(\beta)+10\sin^{4}(\beta)\cos^{6}(\beta)\right)
  +e^{-4i\gamma}(2i\sin(\beta)\cos^{7}(\beta)-5\sin^{2}(\beta)\cos^{6}(\beta)-14i\sin^{3}(\beta)\cos^{5}(\beta)+14\sin^{4}(\beta)\cos^{4}(\beta)+14i\sin^{5}(\beta)\cos^{3}(\beta)-5\sin^{6}(\beta)\cos^{2}(\beta)
  +(-4\sin^2(\beta)\cos^6(\beta)+8\sin^4(\beta)\cos^4(\beta)-4\sin^6(\beta)\cos^2(\beta))(\cos^8(\beta)+4i\sin(\beta)\cos^7(\beta)-15\sin^2(\beta)\cos^6(\beta)-28i\sin^3(\beta)\cos^2(\beta)
    +2e^{-8i\gamma}\sin^4(\beta)\cos^4(\beta)+44\sin^4(\beta)\cos^4(\beta)+28i\sin^5(\beta)\cos^3(\beta)-15\sin^6(\beta)\cos^2(\beta)-4i\sin^7(\beta)\cos(\beta)+\sin^8(\beta)
  +e^{8i\gamma}\left(-\sin^2(\beta)\cos^6(\beta)-\sin^6(\beta)\cos^2(\beta)\right)+e^{-4i\gamma}\left(2i\sin(\beta)\cos^7(\beta)-7\sin^2(\beta)\cos^6(\beta)-14i\sin^3(\beta)\cos^5(\beta)+10\sin^4(\beta)\cos^2(\beta)\right)+e^{-4i\gamma}\left(2i\sin(\beta)\cos^7(\beta)-7\sin^2(\beta)\cos^6(\beta)-14i\sin^3(\beta)\cos^5(\beta)+10\sin^4(\beta)\cos^2(\beta)\right)+e^{-4i\gamma}\left(2i\sin(\beta)\cos^7(\beta)-7\sin^2(\beta)\cos^6(\beta)-14i\sin^3(\beta)\cos^5(\beta)+10\sin^4(\beta)\cos^2(\beta)\right)+e^{-4i\gamma}\left(2i\sin(\beta)\cos^7(\beta)-7\sin^2(\beta)\cos^6(\beta)-14i\sin^3(\beta)\cos^5(\beta)+10\sin^4(\beta)\cos^5(\beta)\right)+e^{-4i\gamma}\left(2i\sin(\beta)\cos^7(\beta)-7\sin^2(\beta)\cos^6(\beta)-14i\sin^3(\beta)\cos^5(\beta)+10\sin^4(\beta)\cos^5(\beta)\right)+e^{-4i\gamma}\left(2i\sin(\beta)\cos^7(\beta)-7\sin^2(\beta)\cos^5(\beta)+10\sin^4(\beta)\cos^5(\beta)\right)+e^{-4i\gamma}\left(2i\sin(\beta)\cos^7(\beta)-7\sin^2(\beta)\cos^5(\beta)\right)+e^{-4i\gamma}\left(2i\sin(\beta)\cos^7(\beta)-7\sin^2(\beta)\cos^5(\beta)\right)+e^{-4i\gamma}\left(2i\sin(\beta)\cos^7(\beta)-7\sin^2(\beta)\cos^2(\beta)\right)+e^{-4i\gamma}\left(2i\sin(\beta)\cos^7(\beta)-7\sin^2(\beta)\cos^7(\beta)\right)+e^{-4i\gamma}\left(2i\sin(\beta)\cos^7(\beta)-7\sin^2(\beta)\cos^7(\beta)\right)+e^{-4i\gamma}\left(2i\sin(\beta)\cos^7(\beta)-7\sin^2(\beta)\cos^7(\beta)\right)+e^{-4i\gamma}\left(2i\sin(\beta)\cos^7(\beta)-7\sin^2(\beta)\cos^7(\beta)\right)+e^{-4i\gamma}\left(2i\sin(\beta)\cos^7(\beta)-7\sin^2(\beta)\cos^7(\beta)\right)+e^{-4i\gamma}\left(2i\sin(\beta)\cos^7(\beta)-7\sin^2(\beta)\cos^7(\beta)\right)+e^{-4i\gamma}\left(2i\sin(\beta)\cos^7(\beta)-7\sin^2(\beta)\cos^7(\beta)\right)+e^{-4i\gamma}\left(2i\sin(\beta)\cos^7(\beta)-7\sin^2(\beta)\cos^7(\beta)\right)+e^{-4i\gamma}\left(2i\sin(\beta)\cos^7(\beta)-7\sin^2(\beta)\cos^7(\beta)\right)+e^{-4i\gamma}\left(2i\sin(\beta)\cos^7(\beta)-7\sin^2(\beta)\cos^7(\beta)\right)+e^{-4i\gamma}\left(2i\sin(\beta)\cos^7(\beta)-7\sin^2(\beta)\cos^7(\beta)\right)+e^{-4i\gamma}\left(2i\sin(\beta)\cos^7(\beta)-7\sin^2(\beta)\cos^7(\beta)\right)+e^{-4i\gamma}\left(2i\sin(\beta)\cos^7(\beta)-7\sin^2(\beta)\cos^7(\beta)\right)+e^{-4i\gamma}\left(2i\sin(\beta)\cos^7(\beta)-7\sin^2(\beta)\cos^7(\beta)\right)+e^{-4i\gamma}\left(2i\sin(\beta)\cos^7(\beta)-7\sin^2(\beta)\cos^7(\beta)\right)+e^{-4i\gamma}\left(2i\sin(\beta)\cos^7(\beta)-7\sin^2(\beta)\cos^7(\beta)\right)+e^{-4i\gamma}\left(2i\sin(\beta)\cos^7(\beta)-7\sin^2(\beta)\cos^7(\beta)\right)+e^{-4i\gamma}\left(2i\sin(\beta)\cos^7(\beta)-7\sin^2(\beta)\cos^7(\beta)\right)+e^{-4i\gamma}\left(2i\sin(\beta)\cos^7(\beta)-7\sin^2(\beta)\cos^7(\beta)\right)+e^{-4i\gamma}\left(2i\sin(\beta)\cos^7(\beta)\cos^7(\beta)\right)+e^{-4i\gamma}\left(2i\sin(\beta)\cos^7(\beta)\cos^7(\beta)\right)+e^{-4i\gamma}\left(2i\sin(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\right)+e^{-4i\gamma}\left(2i\sin(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\right)+e^{-4i\gamma}\left(2i\sin(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\right)+e^{-4i\gamma}\left(2i\sin(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^7(\beta)\cos^
  +e^{4i\gamma} \left(2i\sin(\beta)\cos^{7}(\beta)-5\sin^{2}(\beta)\cos^{6}(\beta)-14i\sin^{3}(\beta)\cos^{5}(\beta)+14\sin^{4}(\beta)\cos^{4}(\beta)+14i\sin^{5}(\beta)\cos^{3}(\beta)-5\sin^{6}(\beta)\cos^{2}(\beta)-14i\sin^{3}(\beta)\cos^{5}(\beta)+14\sin^{4}(\beta)\cos^{4}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{4}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{5}(\beta)+14\sin^{5}(\beta)+14\sin^{5}(\beta)+14\sin^{5}
  +(-2\sin^2(\beta)\cos^6(\beta)+4\sin^4(\beta)\cos^4(\beta)-2\sin^6(\beta)\cos^2(\beta))(\cos^8(\beta)+4i\sin(\beta)\cos^7(\beta)-18\sin^2(\beta)\cos^6(\beta)-28i\sin^3(\beta)\cos^2(\beta)
  +38\sin^{4}(\beta)\cos^{4}(\beta)+28i\sin^{5}(\beta)\cos^{3}(\beta)-18\sin^{6}(\beta)\cos^{2}(\beta)-4i\sin^{7}(\beta)\cos(\beta)+\sin^{8}(\beta)+e^{-8i\gamma}\left(-\sin^{2}(\beta)\cos^{6}(\beta)-\sin^{6}(\beta)\cos^{2}(\beta)+\sin^{6}(\beta)\cos^{2}(\beta)+\sin^{6}(\beta)\cos^{2}(\beta)+\sin^{6}(\beta)\cos^{2}(\beta)+\sin^{6}(\beta)\cos^{2}(\beta)+\sin^{6}(\beta)\cos^{2}(\beta)+\sin^{6}(\beta)\cos^{2}(\beta)+\sin^{6}(\beta)\cos^{2}(\beta)+\sin^{6}(\beta)\cos^{2}(\beta)+\sin^{6}(\beta)\cos^{2}(\beta)+\sin^{6}(\beta)\cos^{6}(\beta)+\sin^{6}(\beta)\cos^{6}(\beta)+\sin^{6}(\beta)\cos^{6}(\beta)+\sin^{6}(\beta)\cos^{6}(\beta)+\sin^{6}(\beta)\cos^{6}(\beta)+\sin^{6}(\beta)\cos^{6}(\beta)+\sin^{6}(\beta)\cos^{6}(\beta)+\sin^{6}(\beta)\cos^{6}(\beta)+\sin^{6}(\beta)\cos^{6}(\beta)+\sin^{6}(\beta)\cos^{6}(\beta)+\sin^{6}(\beta)\cos^{6}(\beta)+\sin^{6}(\beta)\cos^{6}(\beta)+\sin^{6}(\beta)\cos^{6}(\beta)+\sin^{6}(\beta)\cos^{6}(\beta)+\sin^{6}(\beta)\cos^{6}(\beta)+\sin^{6}(\beta)\cos^{6}(\beta)+\sin^{6}(\beta)\cos^{6}(\beta)+\sin^{6}(\beta)\cos^{6}(\beta)+\sin^{6}(\beta)\cos^{6}(\beta)+\sin^{6}(\beta)\cos^{6}(\beta)+\sin^{6}(\beta)\cos^{6}(\beta)+\sin^{6}(\beta)\cos^{6}(\beta)+\sin^{6}(\beta)\cos^{6}(\beta)+\sin^{6}(\beta)\cos^{6}(\beta)+\sin^{6}(\beta)\cos^{6}(\beta)+\sin^{6}(\beta)\cos^{6}(\beta)+\sin^{6}(\beta)\cos^{6}(\beta)+\sin^{6}(\beta)\cos^{6}(\beta)+\sin^{6}(\beta)\cos^{6}(\beta)+\sin^{6}(\beta)\cos^{6}(\beta)+\sin^{6}(\beta)\cos^{6}(\beta)+\sin^{6}(\beta)\cos^{6}(\beta)+\sin^{6}(\beta)\cos^{6}(\beta)+\sin^{6}(\beta)\cos^{6}(\beta)+\sin^{6}(\beta)\cos^{6}(\beta)+\sin^{6}(\beta)\cos^{6}(\beta)+\sin^{6}(\beta)\cos^{6}(\beta)+\sin^{6}(\beta)\cos^{6}(\beta)+\sin^{6}(\beta)\cos^{6}(\beta)+\sin^{6}(\beta)\cos^{6}(\beta)+\sin^{6}(\beta)\cos^{6}(\beta)+\sin^{6}(\beta)\cos^{6}(\beta)+\sin^{6}(\beta)\cos^{6}(\beta)+\sin^{6}(\beta)\cos^{6}(\beta)+\sin^{6}(\beta)\cos^{6}(\beta)+\sin^{6}(\beta)\cos^{6}(\beta)+\sin^{6}(\beta)\cos^{6}(\beta)+\sin^{6}(\beta)\cos^{6}(\beta)+\sin^{6}(\beta)\cos^{6}(\beta)+\sin^{6}(\beta)\cos^{6}(\beta)+\sin^{6}(\beta)\cos^{6}(\beta)+\sin^{6}(\beta)\cos^{6}(\beta)+\sin^{6}(\beta)\cos^{6}(\beta)+\sin^{6}(\beta)\cos^{6}(\beta)+\sin^{6}(\beta)\cos^{6}(\beta)+\sin^{6}(\beta)\cos^{6}(\beta)+\sin^{6}(\beta)\cos^{6}(\beta)+\sin^{6}(\beta)\cos^{6}(\beta)+\sin^{6}(\beta)\cos^{6}(\beta)+\sin^{6}(\beta)\cos^{6}(\beta)+\sin^{6}(\beta)\cos^{6}(\beta)+\sin^{6}(\beta)\cos^{6}(\beta)+\sin^{6}(\beta)\cos^{6}(\beta)+\sin^{6}(\beta)\cos^{6}(\beta)+\sin^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)+\sin^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^
  +e^{8i\gamma}\left(-\sin^2(\beta)\cos^6(\beta)-\sin^6(\beta)\cos^2(\beta)\right)+e^{-4i\gamma}\left(2i\sin(\beta)\cos^7(\beta)-4\sin^2(\beta)\cos^6(\beta)-14i\sin^3(\beta)\cos^5(\beta)+16\sin^4(\beta)\cos^2(\beta)\right)
  +e^{4i\gamma}(2i\sin(\beta)\cos^{7}(\beta)-4\sin^{2}(\beta)\cos^{6}(\beta)-14i\sin^{3}(\beta)\cos^{5}(\beta)+16\sin^{4}(\beta)\cos^{4}(\beta)+14i\sin^{5}(\beta)\cos^{3}(\beta)-4\sin^{6}(\beta)\cos^{2}(\beta)
  +(-4\sin^2(\beta)\cos^6(\beta)+8\sin^4(\beta)\cos^4(\beta)-4\sin^6(\beta)\cos^2(\beta))(\cos^8(\beta)+2i\sin(\beta)\cos^7(\beta)-14\sin^2(\beta)\cos^6(\beta)-30i\sin^3(\beta)\cos^2(\beta))
  +46\sin^4(\beta)\cos^4(\beta)+30i\sin^5(\beta)\cos^3(\beta)-14\sin^6(\beta)\cos^2(\beta)-2i\sin^7(\beta)\cos(\beta)+\sin^8(\beta)+e^{-8i\gamma}(-\sin^2(\beta)\cos^6(\beta)-\sin^6(\beta))
  +e^{8i\gamma}\left(-\sin^2(\beta)\cos^6(\beta)-\sin^6(\beta)\cos^2(\beta)\right)+e^{-4i\gamma}\left(3i\sin(\beta)\cos^7(\beta)-6\sin^2(\beta)\cos^6(\beta)-13i\sin^3(\beta)\cos^5(\beta)+12\sin^4(\beta)\cos^2(\beta)\right)
  +e^{4i\gamma} \left(3i\sin(\beta)\cos^{7}(\beta)-6\sin^{2}(\beta)\cos^{6}(\beta)-13i\sin^{3}(\beta)\cos^{5}(\beta)+12\sin^{4}(\beta)\cos^{4}(\beta)+13i\sin^{5}(\beta)\cos^{3}(\beta)-6\sin^{6}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)+13i\sin^{2}(\beta)+13i\sin^{2}(\beta)+13i\sin^{2}(\beta)+13i\sin^{2}(\beta)+13i
  +e^{-8i\gamma}\left(-\sin^2(\beta)\cos^6(\beta)-\sin^6(\beta)\cos^2(\beta)\right)\left(-20\sin^2(\beta)\cos^6(\beta)-32i\sin^3(\beta)\cos^5(\beta)+2e^{8i\gamma}\sin^4(\beta)\cos^4(\beta)+36\sin^4(\beta)\cos^2(\beta)\right)
  +32i\sin^{5}(\beta)\cos^{3}(\beta)-20\sin^{6}(\beta)\cos^{2}(\beta)+e^{4i\gamma}\left(-16i\sin^{3}(\beta)\cos^{5}(\beta)+24\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{5}(\beta)\cos^{3}(\beta)\right)+e^{-4i\gamma}\left(8i\sin^{5}(\beta)\cos^{5}(\beta)+24\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{5}(\beta)\cos^{3}(\beta)\right)
    +e^{-8i\gamma}\left(\cos^8(\beta)+\sin^8(\beta)\right)
  +e^{-4i\gamma}\left(2i\sin(\beta)\cos^{7}(\beta)-6i\sin^{3}(\beta)\cos^{5}(\beta)+6i\sin^{5}(\beta)\cos^{3}(\beta)-2i\sin^{7}(\beta)\cos(\beta)\right)\left(5i\sin(\beta)\cos^{7}(\beta)-12\sin^{2}(\beta)\cos^{6}(\beta)+6i\sin^{5}(\beta)\cos^{3}(\beta)-2i\sin^{7}(\beta)\cos(\beta)\right)
      -33i\sin^{3}(\beta)\cos^{5}(\beta) + 40\sin^{4}(\beta)\cos^{4}(\beta) + 33i\sin^{5}(\beta)\cos^{3}(\beta) - 12\sin^{6}(\beta)\cos^{2}(\beta) - 5i\sin^{7}(\beta)\cos(\beta) + e^{8i\gamma}\left(i\cos^{3}(\beta)\sin^{5}(\beta)\cos^{2}(\beta) + \frac{1}{2}\sin^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{3}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)
  +e^{4i\gamma}\left(-6\sin^{2}(\beta)\cos^{6}(\beta)-12i\sin^{3}(\beta)\cos^{5}(\beta)+20\sin^{4}(\beta)\cos^{4}(\beta)+12i\sin^{5}(\beta)\cos^{3}(\beta)-6\sin^{6}(\beta)\cos^{2}(\beta)\right)+e^{-8i\gamma}\left(i\cos^{7}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)+12i\sin^{5}(\beta)\cos^{3}(\beta)-6\sin^{6}(\beta)\cos^{2}(\beta)\right)+e^{-8i\gamma}\left(i\cos^{7}(\beta)\cos^{4}(\beta)+12i\sin^{5}(\beta)\cos^{4}(\beta)+12i\sin^{5}(\beta)\cos^{4}(\beta)+12i\sin^{5}(\beta)\cos^{4}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)+12i\sin^{5}(\beta)+12i\sin^{5}(\beta)+12i\sin^{5}(\beta)+12i\sin^{5}(\beta)+12i\sin^{5}(\beta)+12i\sin^{5}(\beta)+12i\sin^{5}(\beta)+12i\sin^{5}(\beta)+12i\sin^{5}(\beta)+12i\sin^{5}(\beta)+12i\sin^{5}(\beta
  +e^{-4i\gamma}\left(\cos^{8}(\beta)+2i\sin(\beta)\cos^{7}(\beta)-10\sin^{2}(\beta)\cos^{6}(\beta)-10i\sin^{3}(\beta)\cos^{5}(\beta)+10\sin^{4}(\beta)\cos^{4}(\beta)+10i\sin^{5}(\beta)\cos^{3}(\beta)-10\sin^{2}(\beta)\cos^{6}(\beta)\right)
  +e^{4i\gamma} \left(8i \cos^3(\beta) \sin^5(\beta) - 8i \cos^5(\beta) \sin^3(\beta)\right) \left(5i \sin(\beta) \cos^7(\beta) - 12 \sin^2(\beta) \cos^6(\beta) - 33i \sin^3(\beta) \cos^5(\beta) + 40 \sin^4(\beta) \cos^4(\beta) \sin^2(\beta)\right) + 2i \sin^2(\beta) \sin^2(\beta) \sin^2(\beta) \sin^2(\beta) \sin^2(\beta) \sin^2(\beta) \sin^2(\beta) \cos^2(\beta) \cos^2(\beta) \sin^2(\beta) \cos^2(\beta) \sin^2(\beta) \cos^2(\beta) \cos^2(\beta) \sin^2(\beta) \cos^2(\beta) \cos^2(\beta) \sin^2(\beta) \cos^2(\beta) \sin^2(\beta) \cos^2(\beta) \cos^
  +33i\sin^{5}(\beta)\cos^{3}(\beta)-12\sin^{6}(\beta)\cos^{2}(\beta)-5i\sin^{7}(\beta)\cos(\beta)+e^{-8i\gamma}\left(i\cos^{3}(\beta)\sin^{5}(\beta)-i\cos^{5}(\beta)\sin^{3}(\beta)\right)+e^{-4i\gamma}\left(-6\sin^{2}(\beta)\cos^{2}(\beta)-i\cos^{2}(\beta)\sin^{3}(\beta)\right)+e^{-4i\gamma}\left(-6\sin^{2}(\beta)\cos^{2}(\beta)-i\cos^{2}(\beta)\sin^{3}(\beta)\right)+e^{-4i\gamma}\left(-6\sin^{2}(\beta)\cos^{2}(\beta)-i\cos^{2}(\beta)\cos^{2}(\beta)\right)+e^{-4i\gamma}\left(-6\sin^{2}(\beta)\cos^{2}(\beta)-i\cos^{2}(\beta)\sin^{2}(\beta)\cos^{2}(\beta)\right)+e^{-4i\gamma}\left(-6\sin^{2}(\beta)\cos^{2}(\beta)-i\cos^{2}(\beta)\sin^{2}(\beta)\cos^{2}(\beta)\right)+e^{-4i\gamma}\left(-6\sin^{2}(\beta)\cos^{2}(\beta)\sin^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\sin^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2
  +e^{8i\gamma}\left(i\cos^{7}(\beta)\sin(\beta)-i\cos(\beta)\sin^{7}(\beta)\right)+e^{4i\gamma}\left(\cos^{8}(\beta)+2i\sin(\beta)\cos^{7}(\beta)-10\sin^{2}(\beta)\cos^{6}(\beta)-10i\sin^{3}(\beta)\cos^{5}(\beta)+10\sin^{4}(\beta)\cos^{6}(\beta)+10\sin^{4}(\beta)\cos^{6}(\beta)+10\sin^{4}(\beta)\cos^{6}(\beta)+10\sin^{4}(\beta)\cos^{6}(\beta)+10\sin^{4}(\beta)\cos^{6}(\beta)+10\sin^{4}(\beta)\cos^{6}(\beta)+10\sin^{4}(\beta)\cos^{6}(\beta)+10\sin^{4}(\beta)\cos^{6}(\beta)+10\sin^{4}(\beta)\cos^{6}(\beta)+10\sin^{4}(\beta)\cos^{6}(\beta)+10\sin^{4}(\beta)\cos^{6}(\beta)+10\sin^{4}(\beta)\cos^{6}(\beta)+10\sin^{4}(\beta)\cos^{6}(\beta)+10\sin^{4}(\beta)\cos^{6}(\beta)+10\sin^{4}(\beta)\cos^{6}(\beta)+10\sin^{4}(\beta)\cos^{6}(\beta)+10\sin^{4}(\beta)\cos^{6}(\beta)+10\sin^{4}(\beta)\cos^{6}(\beta)+10\sin^{4}(\beta)\cos^{6}(\beta)+10\sin^{4}(\beta)\cos^{6}(\beta)+10\sin^{4}(\beta)\cos^{6}(\beta)+10\sin^{4}(\beta)\cos^{6}(\beta)+10\sin^{4}(\beta)\cos^{6}(\beta)+10\sin^{4}(\beta)\cos^{6}(\beta)+10\sin^{4}(\beta)\cos^{6}(\beta)+10\sin^{4}(\beta)\cos^{6}(\beta)+10\sin^{4}(\beta)\cos^{6}(\beta)+10\sin^{4}(\beta)\cos^{6}(\beta)+10\sin^{4}(\beta)\cos^{6}(\beta)+10\sin^{4}(\beta)\cos^{6}(\beta)+10\sin^{4}(\beta)\cos^{6}(\beta)+10\sin^{4}(\beta)\cos^{6}(\beta)+10\sin^{4}(\beta)\cos^{6}(\beta)+10\sin^{4}(\beta)\cos^{6}(\beta)+10\sin^{4}(\beta)\cos^{6}(\beta)+10\sin^{4}(\beta)\cos^{6}(\beta)+10\sin^{4}(\beta)\cos^{6}(\beta)+10\sin^{4}(\beta)\cos^{6}(\beta)+10\sin^{4}(\beta)\cos^{6}(\beta)+10\sin^{4}(\beta)\cos^{6}(\beta)+10\sin^{4}(\beta)\cos^{6}(\beta)+10\sin^{4}(\beta)\cos^{6}(\beta)+10\sin^{4}(\beta)\cos^{6}(\beta)+10\sin^{4}(\beta)\cos^{6}(\beta)+10\sin^{4}(\beta)\cos^{6}(\beta)+10\sin^{4}(\beta)\cos^{6}(\beta)+10\sin^{4}(\beta)\cos^{6}(\beta)+10\sin^{4}(\beta)\cos^{6}(\beta)+10\sin^{4}(\beta)\cos^{6}(\beta)+10\sin^{4}(\beta)\sin^{4}(\beta)\cos^{6}(\beta)+10\sin^{4}(\beta)\cos^{6}(\beta)+10\sin^{4}(\beta)\cos^{6}(\beta)+10\sin^{4}(\beta)\cos^{6}(\beta)+10\sin^{4}(\beta)\cos^{6}(\beta)+10\sin^{4}(\beta)\cos^{6}(\beta)+10\sin^{4}(\beta)\cos^{6}(\beta)+10\sin^{4}(\beta)\cos^{6}(\beta)+10\sin^{4}(\beta)\cos^{6}(\beta)+10\sin^{4}(\beta)\cos^{6}(\beta)+10\sin^{4}(\beta)\cos^{6}(\beta)+10\sin^{4}(\beta)\cos^{6}(\beta)+10\sin^{4}(\beta)\cos^{6}(\beta)+10\sin^{4}(\beta)\cos^{6}(\beta)+10\sin^{4}(\beta)\cos^{6}(\beta)+10\sin^{4}(\beta)\cos^{6}(\beta)+10\sin^{4}(\beta)\cos^{6}(\beta)+10\sin^{4}(\beta)\cos^{6}(\beta)+10\sin^{4}(\beta)\cos^{6}(\beta)+10\sin^{4}(\beta)\cos^{6}(\beta)+10\sin^{4}(\beta)\cos^{6}(\beta)+10\sin^{4}(\beta)\cos^{6}(\beta)+10\sin^{4}(\beta)\cos^{6}(\beta)+10\sin^{4}(\beta)\cos^{6}(\beta)+10\sin^{4}(\beta)\cos^{6}(\beta)+10\sin^{4}(\beta)\cos^{6}(\beta)+10\sin^{4}(\beta)\cos^{6}(\beta)+10\sin^{4}(\beta)\cos^{6}(\beta)+10\sin^{4}(\beta)\cos^{6}(\beta)+10\sin^{4}(\beta)\cos^{6}(\beta)+10\sin^{4}(\beta)\cos^{6}(\beta)+10\sin^{4}(\beta)\cos^{6}(\beta)+10\sin^{4}(\beta)\cos^{6}(\beta)+10\sin^{4}(\beta)\cos^{6}(\beta)+10\sin^{4}(\beta)\cos^{6}(\beta)+10\sin^{4}(\beta)\cos^{6}(\beta)+10\sin^{4}(\beta)\cos^{6}(\beta)+10\sin^{4}(\beta)\cos^{6}(\beta)+10\sin^{4}(\beta)\cos^{6}(\beta)+10\sin^{4}(\beta)\cos^{6}(\beta)+10\sin^{4}(\beta)\cos^{6}(\beta)+10\sin^{4}(\beta)\cos^{6}(\beta)+10\sin^{4}(\beta)\cos^{6}(\beta)+10\sin^{4}(\beta)\cos^{6}(\beta)+10\sin^{4}(\beta)\cos^{6}(\beta)+10\sin^{4}(\beta)\cos^{6}(\beta)+10\sin^{4}(\beta)\cos^{6}(\beta)+10\sin^{4}(\beta)\cos^{6}(\beta)+10\sin^{4}(\beta)\cos^{6}(\beta)+10\sin^{4}(\beta)\cos^{6}(\beta)+10\sin^{4}(\beta)\cos^{6}(\beta)+10\sin^{4}(\beta)\cos^{6}(\beta)+10\sin^{
  +e^{-4i\gamma} \left(2i\sin(\beta)\cos^{7}(\beta)-6i\sin^{3}(\beta)\cos^{5}(\beta)+6i\sin^{5}(\beta)\cos^{3}(\beta)-2i\sin^{7}(\beta)\cos(\beta)\right) \left(4i\sin(\beta)\cos^{7}(\beta)-16\sin^{2}(\beta)\cos^{6}(\beta)\right)
    -34i\sin^{3}(\beta)\cos^{5}(\beta) + 32\sin^{4}(\beta)\cos^{4}(\beta) + 34i\sin^{5}(\beta)\cos^{3}(\beta) - 16\sin^{6}(\beta)\cos^{2}(\beta) - 4i\sin^{7}(\beta)\cos(\beta) + e^{-8i\gamma}\left(i\cos^{3}(\beta)\sin^{5}(\beta)\cos^{4}(\beta)\cos^{2}(\beta)\right) + 32\sin^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta) + 34i\sin^{5}(\beta)\cos^{3}(\beta) - 16\sin^{6}(\beta)\cos^{2}(\beta) - 4i\sin^{7}(\beta)\cos(\beta) + e^{-8i\gamma}\left(i\cos^{3}(\beta)\sin^{5}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)
  +e^{8i\gamma}\left(i\cos^{3}(\beta)\sin^{5}(\beta)-i\cos^{5}(\beta)\sin^{3}(\beta)\right)+e^{4i\gamma}\left(-4\sin^{2}(\beta)\cos^{6}(\beta)-12i\sin^{3}(\beta)\cos^{5}(\beta)+24\sin^{4}(\beta)\cos^{4}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)\cos^{6}(\beta)+12i\sin^{5}(\beta)+12i\sin^{5}(\beta)+12i\sin^{5}(\beta)+12i\sin^{5}(\beta)+12i\sin^{5}(\beta)+12i\sin^{5}(
    +e^{-4i\gamma}\left(\cos^{8}(\beta)+4i\sin(\beta)\cos^{7}(\beta)-8\sin^{2}(\beta)\cos^{6}(\beta)-8i\sin^{3}(\beta)\cos^{5}(\beta)+14\sin^{4}(\beta)\cos^{4}(\beta)+8i\sin^{5}(\beta)\cos^{3}(\beta)-8\sin^{6}(\beta)\cos^{4}(\beta)+4i\sin^{4}(\beta)\cos^{4}(\beta)+8i\sin^{5}(\beta)\cos^{4}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)+8i\sin^{5}(\beta)+8i\sin^{5}(\beta)+8i\sin^{5}(\beta)+8i\sin^{5}(\beta)+8i\sin^{5}(\beta)+8i\sin^{5}(\beta)+8i\sin^{5}(\beta)+8i\sin^{5}(\beta)+8i\sin^{5}(\beta)+8i\sin^{5}(\beta)+8i\sin^{5}(\beta)+8i\sin^{5}(\beta)+8i\sin^{5}(\beta)+8i\sin^{5}(\beta)+8i\sin
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 $+e^{4i\gamma} \left(8i\cos^{3}(\beta)\sin^{5}(\beta)-8i\cos^{5}(\beta)\sin^{3}(\beta)\right) \left(4i\sin(\beta)\cos^{7}(\beta)-16\sin^{2}(\beta)\cos^{6}(\beta)-34i\sin^{3}(\beta)\cos^{5}(\beta)+32\sin^{4}(\beta)\cos^{4}(\beta$ $+34i\sin^{5}(\beta)\cos^{3}(\beta)-16\sin^{6}(\beta)\cos^{2}(\beta)-4i\sin^{7}(\beta)\cos(\beta)+e^{-8i\gamma}(i\cos^{3}(\beta)\sin^{5}(\beta)-i\cos^{5}(\beta)\sin^{3}(\beta))+e^{8i\gamma}(i\cos^{3}(\beta)\sin^{5}(\beta)\cos^{2}(\beta)\sin^{5}(\beta)\cos^{2}(\beta)\sin^{5}($

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8v1 1 2 1 1 2
   (4\cos^4(\beta)(\cos^8(\beta) + 8i\sin(\beta)\cos^7(\beta) - 20\sin^2(\beta)\cos^6(\beta) - 24i\sin^3(\beta)\cos^5(\beta))
 +2e^{-8i\gamma}\sin^4(\beta)\cos^4(\beta) + 2e^{8i\gamma}\sin^4(\beta)\cos^4(\beta) + 34\sin^4(\beta)\cos^4(\beta)
 +24i\sin^{5}(\beta)\cos^{3}(\beta) - 20\sin^{6}(\beta)\cos^{2}(\beta) - 8i\sin^{7}(\beta)\cos(\beta) + \sin^{8}(\beta)
   +e^{-4i\gamma}\left(-4\sin^2(\beta)\cos^6(\beta)-16i\sin^3(\beta)\cos^5(\beta)+16\sin^4(\beta)\cos^4(\beta)+16i\sin^5(\beta)\cos^3(\beta)-4\sin^6(\beta)\cos^2(\beta)\right)
 +e^{4i\gamma}\left(-4\sin^2(\beta)\cos^6(\beta)-16i\sin^3(\beta)\cos^5(\beta)+16\sin^4(\beta)\cos^4(\beta)+16i\sin^5(\beta)\cos^3(\beta)-4\sin^6(\beta)\cos^2(\beta)\right)\sin^4(\beta)
 +8\cos^{4}(\beta)(\cos^{8}(\beta)+4i\sin(\beta)\cos^{7}(\beta)-18\sin^{2}(\beta)\cos^{6}(\beta)-28i\sin^{3}(\beta)\cos^{5}(\beta)
   +38\sin^4(\beta)\cos^4(\beta) + 28i\sin^5(\beta)\cos^3(\beta) - 18\sin^6(\beta)\cos^2(\beta) - 4i\sin^7(\beta)\cos(\beta) + \sin^8(\beta)
   +e^{-8i\gamma}\left(-\sin^2(\beta)\cos^6(\beta)-\sin^6(\beta)\cos^2(\beta)\right)+e^{8i\gamma}\left(-\sin^2(\beta)\cos^6(\beta)-\sin^6(\beta)\cos^2(\beta)\right)
 +e^{-4i\gamma}(2i\sin(\beta)\cos^{7}(\beta)-4\sin^{2}(\beta)\cos^{6}(\beta)-14i\sin^{3}(\beta)\cos^{5}(\beta)+16\sin^{4}(\beta)\cos^{4}(\beta)+14i\sin^{5}(\beta)\cos^{3}(\beta)-4\sin^{6}(\beta)\cos^{2}(\beta)
   +e^{4i\gamma}(2i\sin(\beta)\cos^{7}(\beta)-4\sin^{2}(\beta)\cos^{6}(\beta)-14i\sin^{3}(\beta)\cos^{5}(\beta)+16\sin^{4}(\beta)\cos^{4}(\beta)+14i\sin^{5}(\beta)\cos^{3}(\beta)-4\sin^{6}(\beta)\cos^{2}(\beta)
   +2e^{-8i\gamma}\cos^4(\beta)\left(-20\sin^2(\beta)\cos^6(\beta)-32i\sin^3(\beta)\cos^5(\beta)+2e^{8i\gamma}\sin^4(\beta)\cos^4(\beta)+36\sin^4(\beta)\cos^4(\beta)\right)
 +32i\sin^{5}(\beta)\cos^{3}(\beta)-20\sin^{6}(\beta)\cos^{2}(\beta)+e^{4i\gamma}\left(-16i\sin^{3}(\beta)\cos^{5}(\beta)+24\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{5}(\beta)\cos^{3}(\beta)\right)
   +e^{-4i\gamma}(8i\sin(\beta)\cos^{7}(\beta)-8\sin^{2}(\beta)\cos^{6}(\beta)-8i\sin^{3}(\beta)\cos^{5}(\beta)+8\sin^{4}(\beta)\cos^{4}(\beta)+8i\sin^{5}(\beta)\cos^{3}(\beta)-8\sin^{6}(\beta)\cos^{2}(\beta)-8\sin^{6}(\beta)\cos^{2}(\beta)
   +e^{-8i\gamma}\left(\cos^{8}(\beta)+\sin^{8}(\beta)\right)\sin^{4}(\beta)+2e^{8i\gamma}\cos^{4}(\beta)\left(-20\sin^{2}(\beta)\cos^{6}(\beta)-32i\sin^{3}(\beta)\cos^{5}(\beta)\right)
   +2e^{-8i\gamma}\sin^4(\beta)\cos^4(\beta) + 36\sin^4(\beta)\cos^4(\beta) + 32i\sin^5(\beta)\cos^3(\beta) - 20\sin^6(\beta)\cos^2(\beta)
   +e^{-4i\gamma}\left(-16i\sin^3(\beta)\cos^5(\beta)+24\sin^4(\beta)\cos^4(\beta)+16i\sin^5(\beta)\cos^3(\beta)\right)+e^{4i\gamma}\left(8i\sin(\beta)\cos^7(\beta)-8\sin^2(\beta)\cos^6(\beta)-8i\sin^3(\beta)\cos^2(\beta)+24\sin^4(\beta)\cos^4(\beta)+16i\sin^5(\beta)\cos^3(\beta)\right)
 +e^{8i\gamma}\left(\cos^{8}(\beta)+\sin^{8}(\beta)\right)\sin^{4}(\beta)+\left(16i\cos^{3}(\beta)\sin^{5}(\beta)-16i\cos^{5}(\beta)\sin^{3}(\beta)\right)\left(\cos^{8}(\beta)+6i\sin(\beta)\cos^{7}(\beta)-16\sin^{2}(\beta)\cos^{6}(\beta)\sin^{4}(\beta)\right)\sin^{4}(\beta)
   -32i\sin^{3}(\beta)\cos^{5}(\beta) + 30\sin^{4}(\beta)\cos^{4}(\beta) + 32i\sin^{5}(\beta)\cos^{3}(\beta) - 16\sin^{6}(\beta)\cos^{2}(\beta) - 6i\sin^{7}(\beta)\cos(\beta) + \sin^{8}(\beta) + e^{-8i\gamma}(i\cos^{3}(\beta)\cos^{2}(\beta) + 30\sin^{4}(\beta)\cos^{4}(\beta) + 30\sin^{4}(\beta)\cos^{4}(\beta) + 30\sin^{4}(\beta)\cos^{3}(\beta) + 30\sin^{4}(\beta)\cos^{4}(\beta) + 30\sin^{4}(\beta) + 30\sin^{4}
 +e^{8i\gamma} \left( i\cos^3(\beta)\sin^5(\beta) - i\cos^5(\beta)\sin^3(\beta) \right) + e^{-4i\gamma} \left( i\sin(\beta)\cos^7(\beta) - 6\sin^2(\beta)\cos^6(\beta) - 11i\sin^3(\beta)\cos^5(\beta) + 20\sin^4(\beta)\cos^4(\beta)\cos^4(\beta) \right) + e^{-4i\gamma} \left( i\sin(\beta)\cos^7(\beta) - 6\sin^2(\beta)\cos^6(\beta) - 11i\sin^3(\beta)\cos^5(\beta) + 20\sin^4(\beta)\cos^4(\beta)\cos^4(\beta) \right) + e^{-4i\gamma} \left( i\sin(\beta)\cos^7(\beta) - 6\sin^2(\beta)\cos^6(\beta) - 11i\sin^3(\beta)\cos^5(\beta) + 20\sin^4(\beta)\cos^4(\beta)\cos^4(\beta) \right) + e^{-4i\gamma} \left( i\sin(\beta)\cos^7(\beta) - 6\sin^2(\beta)\cos^6(\beta) - 11i\sin^3(\beta)\cos^5(\beta) + 20\sin^4(\beta)\cos^4(\beta)\cos^4(\beta) \right) + e^{-4i\gamma} \left( i\sin(\beta)\cos^7(\beta) - 6\sin^2(\beta)\cos^6(\beta) - 11i\sin^3(\beta)\cos^5(\beta) + 20\sin^4(\beta)\cos^4(\beta)\cos^4(\beta) \right) + e^{-4i\gamma} \left( i\sin(\beta)\cos^7(\beta) - 6\sin^2(\beta)\cos^2(\beta) - 11i\sin^3(\beta)\cos^5(\beta) + 20\sin^4(\beta)\cos^4(\beta) \right) + e^{-4i\gamma} \left( i\sin(\beta)\cos^7(\beta) - 6\sin^2(\beta)\cos^2(\beta) - 11i\sin^3(\beta)\cos^5(\beta) + 20\sin^4(\beta)\cos^4(\beta) \right) + e^{-4i\gamma} \left( i\sin(\beta)\cos^7(\beta) - 6\sin^2(\beta)\cos^4(\beta) - 11i\sin^2(\beta)\cos^4(\beta) \right) + e^{-4i\gamma} \left( i\sin(\beta)\cos^2(\beta) - 11i\sin^2(\beta)\cos^4(\beta) + 20\sin^4(\beta)\cos^4(\beta) \right) + e^{-4i\gamma} \left( i\sin(\beta)\cos^2(\beta) - 11i\sin^2(\beta)\cos^4(\beta) + 20\sin^4(\beta)\cos^4(\beta) \right) + e^{-4i\gamma} \left( i\sin(\beta)\cos^2(\beta) - 2\sin^2(\beta)\cos^2(\beta) + 20\sin^2(\beta)\cos^2(\beta) \right) + e^{-4i\gamma} \left( i\sin(\beta)\cos^2(\beta) - 2\sin^2(\beta)\cos^2(\beta) + 20\sin^2(\beta)\cos^2(\beta) \right) + e^{-4i\gamma} \left( i\sin(\beta)\cos^2(\beta) - 2\sin^2(\beta)\cos^2(\beta) + 20\sin^2(\beta)\cos^2(\beta) \right) + e^{-4i\gamma} \left( i\sin(\beta)\cos^2(\beta) - 2\sin^2(\beta)\cos^2(\beta) + 20\sin^2(\beta)\cos^2(\beta) \right) + e^{-4i\gamma} \left( i\sin(\beta)\cos^2(\beta) - 2\sin^2(\beta)\cos^2(\beta) + 2\cos^2(\beta)\cos^2(\beta) \right) + e^{-4i\gamma} \left( i\sin(\beta)\cos^2(\beta) - 2\sin^2(\beta)\cos^2(\beta) \right) + e^{-4i\gamma} \left( i\sin(\beta)\cos^2(\beta)\cos^2(\beta) - 2\sin^2(\beta)\cos^2(\beta) \right) + e^{-4i\gamma} \left( i\sin(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta) \right) + e^{-4i\gamma} \left( i\sin(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta) \right) + e^{-4i\gamma} \left( i\sin(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta) \right) + e^{-4i\gamma} \left( i\sin(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta) \right) + e^{-4i\gamma} \left( i\sin(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta) \right) + e^{-4i\gamma} \left( i\sin(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos
 +e^{4i\gamma}\left(i\sin(\beta)\cos^{7}(\beta)-6\sin^{2}(\beta)\cos^{6}(\beta)-11i\sin^{3}(\beta)\cos^{5}(\beta)+20\sin^{4}(\beta)\cos^{4}(\beta)+11i\sin^{5}(\beta)\cos^{3}(\beta)-6\sin^{6}(\beta)\cos^{2}(\beta)-11i\sin^{3}(\beta)\cos^{5}(\beta)+20\sin^{4}(\beta)\cos^{4}(\beta)+11i\sin^{5}(\beta)\cos^{3}(\beta)-6\sin^{6}(\beta)\cos^{2}(\beta)-11i\sin^{3}(\beta)\cos^{5}(\beta)+20\sin^{4}(\beta)\cos^{4}(\beta)+11i\sin^{5}(\beta)\cos^{3}(\beta)+6\sin^{6}(\beta)\cos^{2}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)+11i\sin^{5}(\beta)+11i\sin^{5}(\beta)+11i\sin^{5}(\beta)+11i\sin^{5}(\beta)+11i\sin^{5}(\beta)
 +(-4\sin^2(\beta)\cos^6(\beta)+8\sin^4(\beta)\cos^4(\beta)-4\sin^6(\beta)\cos^2(\beta))(\cos^8(\beta)+6i\sin(\beta)\cos^7(\beta)-16\sin^2(\beta)\cos^6(\beta)-26i\sin^3(\beta)\cos^2(\beta))
 +2e^{-8i\gamma}\sin^4(\beta)\cos^4(\beta)+2e^{8i\gamma}\sin^4(\beta)\cos^4(\beta)+42\sin^4(\beta)\cos^4(\beta)+26i\sin^5(\beta)\cos^3(\beta)-16\sin^6(\beta)\cos^2(\beta)-6i\sin^7(\beta)\cos^2(\beta)
 +\sin^{8}(\beta) + e^{-4i\gamma} \left( i\sin(\beta)\cos^{7}(\beta) - 6\sin^{2}(\beta)\cos^{6}(\beta) - 15i\sin^{3}(\beta)\cos^{5}(\beta) + 12\sin^{4}(\beta)\cos^{4}(\beta) + 15i\sin^{5}(\beta)\cos^{3}(\beta) - 6\sin^{6}(\beta)\cos^{6}(\beta) + 15i\sin^{6}(\beta)\cos^{6}(\beta) + 15i\sin^{6}(\beta) + 15i\sin^{6}(\beta)
 +e^{4i\gamma}(i\sin(\beta)\cos^{7}(\beta)-6\sin^{2}(\beta)\cos^{6}(\beta)-15i\sin^{3}(\beta)\cos^{5}(\beta)+12\sin^{4}(\beta)\cos^{4}(\beta)+15i\sin^{5}(\beta)\cos^{3}(\beta)-6\sin^{6}(\beta)\cos^{2}(\beta)-15i\sin^{3}(\beta)\cos^{5}(\beta)
 +(4i\sin(\beta)\cos^{7}(\beta)-12i\sin^{3}(\beta)\cos^{5}(\beta)+12i\sin^{5}(\beta)\cos^{3}(\beta)-4i\sin^{7}(\beta)\cos(\beta))(\cos^{8}(\beta)+4i\sin(\beta)\cos^{7}(\beta)-12\sin^{2}(\beta)\cos^{7}(\beta)
     -34i\sin^{3}(\beta)\cos^{5}(\beta) + 38\sin^{4}(\beta)\cos^{4}(\beta) + 34i\sin^{5}(\beta)\cos^{3}(\beta) - 12\sin^{6}(\beta)\cos^{2}(\beta) - 4i\sin^{7}(\beta)\cos(\beta) + \sin^{8}(\beta) + e^{-8i\gamma}(i\cos^{3}(\beta) + \sin^{4}(\beta)\cos^{4}(\beta) + \sin^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta) + \sin^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta) + \sin^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta
 +e^{8i\gamma}\left(i\cos^{3}(\beta)\sin^{5}(\beta)-i\cos^{5}(\beta)\sin^{3}(\beta)\right)+e^{-4i\gamma}\left(2i\sin(\beta)\cos^{7}(\beta)-8\sin^{2}(\beta)\cos^{6}(\beta)-10i\sin^{3}(\beta)\cos^{5}(\beta)+16\sin^{4}(\beta)\cos^{2}(\beta)\sin^{2}(\beta)\cos^{2}(\beta)+16\sin^{4}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)
 +e^{4i\gamma}(2i\sin(\beta)\cos^{7}(\beta)-8\sin^{2}(\beta)\cos^{6}(\beta)-10i\sin^{3}(\beta)\cos^{5}(\beta)+16\sin^{4}(\beta)\cos^{4}(\beta)+10i\sin^{5}(\beta)\cos^{3}(\beta)-8\sin^{6}(\beta)\cos^{2}(\beta)
   +(-2\sin^2(\beta)\cos^6(\beta)+12\sin^4(\beta)\cos^4(\beta)-2\sin^6(\beta)\cos^2(\beta))(\cos^8(\beta)+4i\sin(\beta)\cos^7(\beta)-15\sin^2(\beta)\cos^6(\beta)-28i\sin^3(\beta)\cos^2(\beta)
 +2e^{8i\gamma}\sin^4(\beta)\cos^4(\beta)+44\sin^4(\beta)\cos^4(\beta)+28i\sin^5(\beta)\cos^3(\beta)-15\sin^6(\beta)\cos^2(\beta)-4i\sin^7(\beta)\cos(\beta)+\sin^8(\beta)
   +e^{-8i\gamma}\left(-\sin^2(\beta)\cos^6(\beta)-\sin^6(\beta)\cos^2(\beta)\right)+e^{4i\gamma}\left(2i\sin(\beta)\cos^7(\beta)-7\sin^2(\beta)\cos^6(\beta)-14i\sin^3(\beta)\cos^5(\beta)+10\sin^4(\beta)\cos^2(\beta)\right)
   +e^{-4i\gamma}\left(2i\sin(\beta)\cos^{7}(\beta)-5\sin^{2}(\beta)\cos^{6}(\beta)-14i\sin^{3}(\beta)\cos^{5}(\beta)+14\sin^{4}(\beta)\cos^{4}(\beta)+14i\sin^{5}(\beta)\cos^{3}(\beta)-5\sin^{6}(\beta)\cos^{2}(\beta)\right)
 +(-6\sin^2(\beta)\cos^6(\beta)+4\sin^4(\beta)\cos^4(\beta)-6\sin^6(\beta)\cos^2(\beta))(\cos^8(\beta)+4i\sin(\beta)\cos^7(\beta)-15\sin^2(\beta)\cos^6(\beta)-28i\sin^3(\beta)\cos^2(\beta)
   +2e^{-8i\gamma}\sin^4(\beta)\cos^4(\beta)+44\sin^4(\beta)\cos^4(\beta)+28i\sin^5(\beta)\cos^3(\beta)-15\sin^6(\beta)\cos^2(\beta)-4i\sin^7(\beta)\cos(\beta)+\sin^8(\beta)
 +e^{8i\gamma}\left(-\sin^2(\beta)\cos^6(\beta)-\sin^6(\beta)\cos^2(\beta)\right)+e^{-4i\gamma}\left(2i\sin(\beta)\cos^7(\beta)-7\sin^2(\beta)\cos^6(\beta)-14i\sin^3(\beta)\cos^5(\beta)+10\sin^4(\beta)\cos^2(\beta)\right)
 +e^{4i\gamma}(2i\sin(\beta)\cos^{7}(\beta)-5\sin^{2}(\beta)\cos^{6}(\beta)-14i\sin^{3}(\beta)\cos^{5}(\beta)+14\sin^{4}(\beta)\cos^{4}(\beta)+14i\sin^{5}(\beta)\cos^{3}(\beta)-5\sin^{6}(\beta)\cos^{2}(\beta)
 +(-4\sin^2(\beta)\cos^6(\beta)+8\sin^4(\beta)\cos^4(\beta)-4\sin^6(\beta)\cos^2(\beta))(\cos^8(\beta)+2i\sin(\beta)\cos^7(\beta)-14\sin^2(\beta)\cos^6(\beta)-30i\sin^3(\beta)\cos^2(\beta))
   +46\sin^4(\beta)\cos^4(\beta)+30i\sin^5(\beta)\cos^3(\beta)-14\sin^6(\beta)\cos^2(\beta)-2i\sin^7(\beta)\cos(\beta)+\sin^8(\beta)+e^{-8i\gamma}\left(-\sin^2(\beta)\cos^6(\beta)-\sin^6(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2
 +e^{8i\gamma}\left(-\sin^2(\beta)\cos^6(\beta)-\sin^6(\beta)\cos^2(\beta)\right)+e^{-4i\gamma}\left(3i\sin(\beta)\cos^7(\beta)-6\sin^2(\beta)\cos^6(\beta)-13i\sin^3(\beta)\cos^5(\beta)+12\sin^4(\beta)\cos^2(\beta)\right)
 +e^{4i\gamma}(3i\sin(\beta)\cos^7(\beta)-6\sin^2(\beta)\cos^6(\beta)-13i\sin^3(\beta)\cos^5(\beta)+12\sin^4(\beta)\cos^4(\beta)+13i\sin^5(\beta)\cos^3(\beta)-6\sin^6(\beta)\cos^2(\beta)-13i\sin^3(\beta)\cos^5(\beta)+12\sin^4(\beta)\cos^4(\beta)+13i\sin^5(\beta)\cos^5(\beta)
   +e^{-4i\gamma}\left(8i\cos^{3}(\beta)\sin^{5}(\beta)-8i\cos^{5}(\beta)\sin^{3}(\beta)\right)\left(5i\sin(\beta)\cos^{7}(\beta)-12\sin^{2}(\beta)\cos^{6}(\beta)-33i\sin^{3}(\beta)\cos^{5}(\beta)+40\sin^{4}(\beta)\cos^{4}(\beta)\sin^{2}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)
 +33i\sin^{5}(\beta)\cos^{3}(\beta)-12\sin^{6}(\beta)\cos^{2}(\beta)-5i\sin^{7}(\beta)\cos(\beta)+e^{8i\gamma}(i\cos^{3}(\beta)\sin^{5}(\beta)-i\cos^{5}(\beta)\sin^{3}(\beta))+e^{4i\gamma}(-6\sin^{2}(\beta)\cos^{2}(\beta)\sin^{3}(\beta))
   +e^{-8i\gamma}(i\cos^{7}(\beta)\sin(\beta)-i\cos(\beta)\sin^{7}(\beta))+e^{-4i\gamma}(\cos^{8}(\beta)+2i\sin(\beta)\cos^{7}(\beta)-10\sin^{2}(\beta)\cos^{6}(\beta)-10i\sin^{3}(\beta)\cos^{5}(\beta)+10\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{2}(\beta)\sin^{
 +e^{4i\gamma}\left(8i\cos^{3}(\beta)\sin^{5}(\beta)-8i\cos^{5}(\beta)\sin^{3}(\beta)\right)\left(5i\sin(\beta)\cos^{7}(\beta)-12\sin^{2}(\beta)\cos^{6}(\beta)-33i\sin^{3}(\beta)\cos^{5}(\beta)+40\sin^{4}(\beta)\cos^{4}(\beta)\sin^{2}(\beta)\cos^{4}(\beta)\sin^{2}(\beta)\cos^{4}(\beta)\sin^{2}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos
 +33i\sin^{5}(\beta)\cos^{3}(\beta)-12\sin^{6}(\beta)\cos^{2}(\beta)-5i\sin^{7}(\beta)\cos(\beta)+e^{-8i\gamma}\left(i\cos^{3}(\beta)\sin^{5}(\beta)-i\cos^{5}(\beta)\sin^{3}(\beta)\right)+e^{-4i\gamma}\left(-6\sin^{2}(\beta)\cos^{2}(\beta)-i\cos^{2}(\beta)\sin^{2}(\beta)\cos^{2}(\beta)\right)
 +e^{8i\gamma}\left(i\cos^{7}(\beta)\sin(\beta)-i\cos(\beta)\sin^{7}(\beta)\right)+e^{4i\gamma}\left(\cos^{8}(\beta)+2i\sin(\beta)\cos^{7}(\beta)-10\sin^{2}(\beta)\cos^{6}(\beta)-10i\sin^{3}(\beta)\cos^{5}(\beta)+10\sin^{4}(\beta)\cos^{2}(\beta)\sin^{2}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^
 +e^{-4i\gamma}\left(4i\sin(\beta)\cos^{7}(\beta)-4i\sin^{3}(\beta)\cos^{5}(\beta)+4i\sin^{5}(\beta)\cos^{3}(\beta)-4i\sin^{7}(\beta)\cos(\beta)\right)\left(4i\sin(\beta)\cos^{7}(\beta)-16\sin^{2}(\beta)\cos^{6}(\beta)-4i\sin^{2}(\beta)\cos^{3}(\beta)-4i\sin^{2}(\beta)\cos^{3}(\beta)-4i\sin^{2}(\beta)\cos^{3}(\beta)\right)
   -34i\sin^{3}(\beta)\cos^{5}(\beta) + 32\sin^{4}(\beta)\cos^{4}(\beta) + 34i\sin^{5}(\beta)\cos^{3}(\beta) - 16\sin^{6}(\beta)\cos^{2}(\beta) - 4i\sin^{7}(\beta)\cos(\beta) + e^{-8i\gamma}\left(i\cos^{3}(\beta)\sin^{5}(\beta)\cos^{4}(\beta) + 32\sin^{4}(\beta)\cos^{4}(\beta) + 34i\sin^{5}(\beta)\cos^{3}(\beta) - 16\sin^{6}(\beta)\cos^{2}(\beta) - 4i\sin^{7}(\beta)\cos(\beta) + e^{-8i\gamma}\left(i\cos^{3}(\beta)\sin^{5}(\beta)\cos^{4}(\beta) + 34i\sin^{5}(\beta)\cos^{3}(\beta) + 34i\sin^{5}(\beta)\cos^{2}(\beta) + 34i\sin^{5}(\beta)\cos^{2}(\beta) + 34i\sin^{5}(\beta)\cos^{5}(\beta) + 3
 +e^{8i\gamma}(i\cos^3(\beta)\sin^5(\beta)-i\cos^5(\beta)\sin^3(\beta))+e^{4i\gamma}(-4\sin^2(\beta)\cos^6(\beta)-12i\sin^3(\beta)\cos^5(\beta)+24\sin^4(\beta)\cos^4(\beta)+12i\sin^5(\beta)\cos^5(\beta)
 +e^{-4i\gamma}\left(\cos^{8}(\beta)+4i\sin(\beta)\cos^{7}(\beta)-8\sin^{2}(\beta)\cos^{6}(\beta)-8i\sin^{3}(\beta)\cos^{5}(\beta)+14\sin^{4}(\beta)\cos^{4}(\beta)+8i\sin^{5}(\beta)\cos^{3}(\beta)-8\sin^{6}(\beta)\cos^{6}(\beta)+4i\sin^{4}(\beta)\cos^{5}(\beta)+4i\sin^{4}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\sin^{5}(\beta)+8i\sin^{5}(\beta)\sin^{5}(\beta)+8i\sin^{5}(\beta)\sin^{5}(\beta)+8i\sin^{5}(\beta)\sin^{5}(\beta)+8i\sin^{5}(\beta)\sin^{5}(\beta)+8i\sin^{5}(\beta)\sin^{5}(\beta)+8i\sin^{5}(\beta)\sin^{5}(\beta)+8i\sin^{5}(\beta)+8i\sin^{5}(\beta)+8i\sin^{5}(\beta)+8i\sin^{5}(\beta)+8i\sin^{5}(\beta)+8i\sin^{5}(\beta)+8i\sin^{5}(\beta)+8i\sin^{5}(\beta)+8i\sin^{5}(\beta)+8i\sin^{5}(\beta)+8i\sin^{5}(\beta)+8i\sin^{5}(\beta
 +e^{4i\gamma} \left(8i \cos^3(\beta) \sin^5(\beta) - 8i \cos^5(\beta) \sin^3(\beta)\right) \left(4i \sin(\beta) \cos^7(\beta) - 16 \sin^2(\beta) \cos^6(\beta) - 34i \sin^3(\beta) \cos^5(\beta) + 32 \sin^4(\beta) \cos^4(\beta) \cos^2(\beta)\right) + 2i \sin^2(\beta) \sin^2(\beta) \sin^2(\beta) \cos^2(\beta) \sin^2(\beta) \cos^2(\beta) \sin^2(\beta) \cos^2(\beta) \sin^2(\beta) \cos^2(\beta) \cos^2(\beta) \sin^2(\beta) \cos^2(\beta) \cos^
   +34i\sin^{5}(\beta)\cos^{3}(\beta)-16\sin^{6}(\beta)\cos^{2}(\beta)-4i\sin^{7}(\beta)\cos^{3}(\beta)+e^{-8i\gamma}\left(i\cos^{3}(\beta)\sin^{5}(\beta)-i\cos^{5}(\beta)\sin^{3}(\beta)\right)+e^{8i\gamma}\left(i\cos^{3}(\beta)\sin^{5}(\beta)-i\cos^{5}(\beta)\sin^{3}(\beta)\right)+e^{8i\gamma}\left(i\cos^{3}(\beta)\sin^{5}(\beta)-i\cos^{5}(\beta)\sin^{5}(\beta)\cos^{5}(\beta)\right)
   +e^{-4i\gamma}\left(-4\sin^{2}(\beta)\cos^{6}(\beta)-12i\sin^{3}(\beta)\cos^{5}(\beta)+24\sin^{4}(\beta)\cos^{4}(\beta)+12i\sin^{5}(\beta)\cos^{3}(\beta)-4\sin^{6}(\beta)\cos^{2}(\beta)\right)+e^{4i\gamma}\left(\cos^{8}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4
   +e^{-4i\gamma}(\cos^8(\beta)-2\sin^2(\beta)\cos^6(\beta)+2\sin^4(\beta)\cos^4(\beta)-2\sin^6(\beta)\cos^2(\beta)+\sin^8(\beta))(4i\sin(\beta)\cos^7(\beta)-16\sin^2(\beta)\cos^6(\beta)
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(16\cos^4(\beta)(\cos^8(\beta) + 2i\sin(\beta)\cos^7(\beta) - 14\sin^2(\beta)\cos^6(\beta) - 30i\sin^3(\beta)\cos^5(\beta))
  +46\sin^4(\beta)\cos^4(\beta) + 30i\sin^5(\beta)\cos^3(\beta) - 14\sin^6(\beta)\cos^2(\beta) - 2i\sin^7(\beta)\cos(\beta) + \sin^8(\beta)
+e^{-8i\gamma}\left(-\sin^2(\beta)\cos^6(\beta)-\sin^6(\beta)\cos^2(\beta)\right)+e^{8i\gamma}\left(-\sin^2(\beta)\cos^6(\beta)-\sin^6(\beta)\cos^2(\beta)\right)
+e^{-4i\gamma}(3i\sin(\beta)\cos^{7}(\beta)-6\sin^{2}(\beta)\cos^{6}(\beta)-13i\sin^{3}(\beta)\cos^{5}(\beta)+12\sin^{4}(\beta)\cos^{4}(\beta)+13i\sin^{5}(\beta)\cos^{3}(\beta)-6\sin^{6}(\beta)\cos^{2}(\beta)
  +e^{4i\gamma} \left(3i\sin(\beta)\cos^{7}(\beta)-6\sin^{2}(\beta)\cos^{6}(\beta)-13i\sin^{3}(\beta)\cos^{5}(\beta)+12\sin^{4}(\beta)\cos^{4}(\beta)+13i\sin^{5}(\beta)\cos^{3}(\beta)-6\sin^{6}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)\cos^{2}(\beta)+13i\sin^{2}(\beta)+13i\sin^{2}(\beta)+13i\sin^{2}(\beta)+13i\sin^{2}(\beta)+13i\sin^{2}(\beta)+13i
+2e^{-8i\gamma}\cos^4(\beta)\left(-20\sin^2(\beta)\cos^6(\beta)-32i\sin^3(\beta)\cos^5(\beta)+2e^{8i\gamma}\sin^4(\beta)\cos^4(\beta)+36\sin^4(\beta)\cos^4(\beta)\right)
+32i\sin^{5}(\beta)\cos^{3}(\beta)-20\sin^{6}(\beta)\cos^{2}(\beta)+e^{4i\gamma}\left(-16i\sin^{3}(\beta)\cos^{5}(\beta)+24\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{5}(\beta)\cos^{3}(\beta)\right)
  +e^{-4i\gamma}(8i\sin(\beta)\cos^{7}(\beta)-8\sin^{2}(\beta)\cos^{6}(\beta)-8i\sin^{3}(\beta)\cos^{5}(\beta)+8\sin^{4}(\beta)\cos^{4}(\beta)+8i\sin^{5}(\beta)\cos^{3}(\beta)-8\sin^{6}(\beta)\cos^{2}(\beta)-8\sin^{6}(\beta)\cos^{2}(\beta)
+e^{-8i\gamma}(\cos^8(\beta)+\sin^8(\beta))\sin^4(\beta)+2e^{8i\gamma}\cos^4(\beta)(-20\sin^2(\beta)\cos^6(\beta)-32i\sin^3(\beta)\cos^5(\beta)
  +2e^{-8i\gamma}\sin^4(\beta)\cos^4(\beta) + 36\sin^4(\beta)\cos^4(\beta) + 32i\sin^5(\beta)\cos^3(\beta) - 20\sin^6(\beta)\cos^2(\beta)
  +e^{-4i\gamma}\left(-16i\sin^3(\beta)\cos^5(\beta)+24\sin^4(\beta)\cos^4(\beta)+16i\sin^5(\beta)\cos^3(\beta)\right)
+e^{4i\gamma}(8i\sin(\beta)\cos^{7}(\beta)-8\sin^{2}(\beta)\cos^{6}(\beta)-8i\sin^{3}(\beta)\cos^{5}(\beta)+8\sin^{4}(\beta)\cos^{4}(\beta)+8i\sin^{5}(\beta)\cos^{3}(\beta)-8\sin^{6}(\beta)\cos^{2}(\beta)-8i\sin^{6}(\beta)\cos^{6}(\beta)
+e^{8i\gamma}\left(\cos^8(\beta)+\sin^8(\beta)\right)\sin^4(\beta)
  +8e^{-4i\gamma}\cos^4(\beta)\left(4i\sin(\beta)\cos^7(\beta)-16\sin^2(\beta)\cos^6(\beta)-28i\sin^3(\beta)\cos^5(\beta)+2e^{-8i\gamma}\sin^4(\beta)\cos^4(\beta)\right)
+2e^{8i\gamma}\sin^4(\beta)\cos^4(\beta) + 44\sin^4(\beta)\cos^4(\beta) + 28i\sin^5(\beta)\cos^3(\beta) - 16\sin^6(\beta)\cos^2(\beta) - 4i\sin^7(\beta)\cos(\beta)
+e^{4i\gamma}\left(-4\sin^{2}(\beta)\cos^{6}(\beta)-16i\sin^{3}(\beta)\cos^{5}(\beta)+16\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{5}(\beta)\cos^{3}(\beta)-4\sin^{6}(\beta)\cos^{2}(\beta)\right)+e^{-4i\gamma}\left(\cos^{8}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{5}(\beta)\cos^{3}(\beta)-4\sin^{6}(\beta)\cos^{2}(\beta)\right)+e^{-4i\gamma}\left(\cos^{8}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{5}(\beta)\cos^{3}(\beta)\right)+e^{-4i\gamma}\left(\cos^{8}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)\right)+e^{-4i\gamma}\left(\cos^{8}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)\right)+e^{-4i\gamma}\left(\cos^{8}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)\right)+e^{-4i\gamma}\left(\cos^{8}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)\right)+e^{-4i\gamma}\left(\cos^{8}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)\right)+e^{-4i\gamma}\left(\cos^{8}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)\right)+e^{-4i\gamma}\left(\cos^{8}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)\right)+e^{-4i\gamma}\left(\cos^{8}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)\right)+e^{-4i\gamma}\left(\cos^{8}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)\right)+e^{-4i\gamma}\left(\cos^{8}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)\right)+e^{-4i\gamma}\left(\cos^{8}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)\right)+e^{-4i\gamma}\left(\cos^{8}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)\right)+e^{-4i\gamma}\left(\cos^{8}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)\right)+e^{-4i\gamma}\left(\cos^{8}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)\right)+e^{-4i\gamma}\left(\cos^{8}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)\right)+e^{-4i\gamma}\left(\cos^{8}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)\right)+e^{-4i\gamma}\left(\cos^{8}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)\right)+e^{-4i\gamma}\left(\cos^{8}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)\right)+e^{-4i\gamma}\left(\cos^{8}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)\right)+e^{-4i\gamma}\left(\cos^{8}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)\right)+e^{-4i\gamma}\left(\cos^{8}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)\right)+e^{-4i\gamma}\left(\cos^{8}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)\right)+e^{-4i\beta}\left(\cos^{8}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)\right)+e^{-4i\beta}\left(\cos^{8}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)\right)+e^{-4i\beta}\left(\cos^{8}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)\right)+e^{-4i\beta}\left(\cos^{8}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)\right)+e^{-4i\beta}\left(\cos^{8}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)\right)+e^{-4i\beta}\left(\cos^{8}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)\right)+e^{-4i\beta}\left(\cos^{8}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)\right)+e^{-4i\beta}\left(\cos^{8}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)\right)+e^{-4i\beta}\left(\cos^{8}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)\right)+e^{-4i\beta}\left(\cos^{8}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)\right)+e^{-
+8e^{4i\gamma}\cos^4(\beta)\left(4i\sin(\beta)\cos^7(\beta)-16\sin^2(\beta)\cos^6(\beta)-28i\sin^3(\beta)\cos^5(\beta)+2e^{-8i\gamma}\sin^4(\beta)\cos^4(\beta)+2e^{8i\gamma}\sin^4(\beta)\cos^4(\beta)\right)
+44 \sin^4(\beta) \cos^4(\beta) + 28 i \sin^5(\beta) \cos^3(\beta) - 16 \sin^6(\beta) \cos^2(\beta) - 4 i \sin^7(\beta) \cos(\beta) + e^{-4 i \gamma} \left(-4 \sin^2(\beta) \cos^6(\beta) - 16 i \sin^3(\beta) \cos^5(\beta) + 28 i \sin^5(\beta) \cos^2(\beta) + 28 i \sin^2(\beta) \cos^2(\beta) + 28
  +e^{4i\gamma}(\cos^8(\beta)+4i\sin(\beta)\cos^7(\beta)-8\sin^2(\beta)\cos^6(\beta)-12i\sin^3(\beta)\cos^5(\beta)+6\sin^4(\beta)\cos^4(\beta)+12i\sin^5(\beta)\cos^3(\beta)-8\sin^6(\beta)
  +(\cos^8(\beta)+2\sin^4(\beta)\cos^4(\beta)+\sin^8(\beta))(\cos^8(\beta)+8i\sin(\beta)\cos^7(\beta)-20\sin^2(\beta)\cos^6(\beta)-24i\sin^3(\beta)\cos^5(\beta)+2e^{-8i\gamma}\sin^4(\beta)\cos^4(\beta)
+2e^{8i\gamma}\sin^4(\beta)\cos^4(\beta)+34\sin^4(\beta)\cos^4(\beta)+24i\sin^5(\beta)\cos^3(\beta)-20\sin^6(\beta)\cos^2(\beta)-8i\sin^7(\beta)\cos(\beta)+\sin^8(\beta)
+e^{-4i\gamma}\left(-4\sin^{2}(\beta)\cos^{6}(\beta)-16i\sin^{3}(\beta)\cos^{5}(\beta)+16\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{5}(\beta)\cos^{3}(\beta)-4\sin^{6}(\beta)\cos^{2}(\beta)\right)+e^{4i\gamma}\left(-4\sin^{2}(\beta)\cos^{2}(\beta)+16\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{5}(\beta)\cos^{3}(\beta)-4\sin^{6}(\beta)\cos^{2}(\beta)\right)+e^{4i\gamma}\left(-4\sin^{2}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{4}(\beta)+16i\sin^{4}(\beta)+16i\sin^{4}(\beta)+16i\sin^{4}(\beta)+16i\sin^{4}(\beta)+16i\sin^{4}(\beta)+16i\sin^{4}(\beta)+16i\sin^{4}(\beta)+16i\sin^{4}(\beta)+16i\sin^{4}(\beta)+16i\sin^{4}(\beta)+16i\sin^{4}(\beta)+16i\sin^{4}(\beta)+16i\sin^{4}(\beta)+16i\sin^{4}(\beta)+16i\sin^{4}(\beta)+16i\sin^{4}
+(8i\sin(\beta)\cos^{7}(\beta)-8i\sin^{3}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{3}(\beta)-8i\sin^{7}(\beta)\cos(\beta))(\cos^{8}(\beta)+6i\sin(\beta)\cos^{7}(\beta)-16\sin^{2}(\beta)\cos^{6}(\beta)
  -32i\sin^{3}(\beta)\cos^{5}(\beta) + 30\sin^{4}(\beta)\cos^{4}(\beta) + 32i\sin^{5}(\beta)\cos^{3}(\beta) - 16\sin^{6}(\beta)\cos^{2}(\beta) - 6i\sin^{7}(\beta)\cos(\beta) + \sin^{8}(\beta) + e^{-8i\gamma}(i\cos^{3}(\beta)\cos^{3}(\beta)) + \sin^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta) + \sin^{5}(\beta)\cos^{3}(\beta) + \sin^{6}(\beta)\cos^{2}(\beta) + \sin^{6}(\beta)\cos^{4}(\beta) + \sin^{6}(\beta)\cos^{6}(\beta) + \sin^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta) + \sin^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6
+e^{8i\gamma} \left( i\cos^3(\beta)\sin^5(\beta) - i\cos^5(\beta)\sin^3(\beta) \right) + e^{-4i\gamma} \left( i\sin(\beta)\cos^7(\beta) - 6\sin^2(\beta)\cos^6(\beta) - 11i\sin^3(\beta)\cos^5(\beta) + 20\sin^4(\beta)\cos^4(\beta)\cos^4(\beta) \right) + e^{-4i\gamma} \left( i\sin(\beta)\cos^7(\beta) - 6\sin^2(\beta)\cos^6(\beta) - 11i\sin^3(\beta)\cos^5(\beta) + 20\sin^4(\beta)\cos^4(\beta)\cos^4(\beta) \right) + e^{-4i\gamma} \left( i\sin(\beta)\cos^7(\beta) - 6\sin^2(\beta)\cos^6(\beta) - 11i\sin^3(\beta)\cos^5(\beta) + 20\sin^4(\beta)\cos^4(\beta)\cos^4(\beta) \right) + e^{-4i\gamma} \left( i\sin(\beta)\cos^7(\beta) - 6\sin^2(\beta)\cos^6(\beta) - 11i\sin^3(\beta)\cos^5(\beta) + 20\sin^4(\beta)\cos^4(\beta)\cos^4(\beta) \right) + e^{-4i\gamma} \left( i\sin(\beta)\cos^7(\beta) - 6\sin^2(\beta)\cos^6(\beta) - 11i\sin^3(\beta)\cos^5(\beta) + 20\sin^4(\beta)\cos^4(\beta)\cos^4(\beta) \right) + e^{-4i\gamma} \left( i\sin(\beta)\cos^7(\beta) - 6\sin^2(\beta)\cos^6(\beta) - 11i\sin^3(\beta)\cos^5(\beta) + 20\sin^4(\beta)\cos^4(\beta)\cos^4(\beta) \right) + e^{-4i\gamma} \left( i\sin(\beta)\cos^7(\beta) - 6\sin^2(\beta)\cos^2(\beta) - 11i\sin^2(\beta)\cos^5(\beta) + 20\sin^4(\beta)\cos^4(\beta) \right) + e^{-4i\gamma} \left( i\sin(\beta)\cos^2(\beta) - 11i\sin^2(\beta)\cos^4(\beta) + 20\sin^4(\beta)\cos^4(\beta) \right) + e^{-4i\gamma} \left( i\sin(\beta)\cos^2(\beta) - 11i\sin^2(\beta)\cos^4(\beta) + 20\sin^4(\beta)\cos^4(\beta) \right) + e^{-4i\gamma} \left( i\sin(\beta)\cos^2(\beta) - 11i\sin^2(\beta)\cos^4(\beta) + 20\sin^4(\beta)\cos^4(\beta) \right) + e^{-4i\gamma} \left( i\sin(\beta)\cos^2(\beta) - 2i\sin^2(\beta)\cos^2(\beta) + 2i\sin^2(\beta)\cos^2(\beta) \right) + e^{-4i\gamma} \left( i\sin(\beta)\cos^2(\beta) - 2i\sin^2(\beta)\cos^2(\beta) + 2i\sin^2(\beta)\cos^2(\beta) \right) + e^{-4i\gamma} \left( i\sin(\beta)\cos^2(\beta) - 2i\sin^2(\beta)\cos^2(\beta) + 2i\sin^2(\beta)\cos^2(\beta) \right) + e^{-4i\gamma} \left( i\sin(\beta)\cos^2(\beta) - 2i\sin^2(\beta)\cos^2(\beta) + 2i\sin^2(\beta)\cos^2(\beta) \right) + e^{-4i\gamma} \left( i\sin(\beta)\cos^2(\beta) - 2i\sin^2(\beta)\cos^2(\beta) + 2i\sin^2(\beta)\cos^2(\beta) \right) + e^{-4i\gamma} \left( i\sin(\beta)\cos^2(\beta) - 2i\sin^2(\beta)\cos^2(\beta) \right) + e^{-4i\gamma} \left( i\sin(\beta)\cos^2(\beta)\cos^2(\beta) - 2i\sin^2(\beta)\cos^2(\beta) \right) + e^{-4i\gamma} \left( i\sin(\beta)\cos^2(\beta)\cos^2(\beta) - 2i\sin^2(\beta)\cos^2(\beta) \right) + e^{-4i\gamma} \left( i\sin(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta) \right) + e^{-4i\gamma} \left( i\sin(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta) \right) + e^{-4i\gamma} \left( i\sin(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta) \right) + e^{-4i\gamma} \left( i\sin(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta) \right) + e^{-4i\gamma} \left( i\sin(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta) \right) + e^{-4i\gamma} \left( i\sin(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta) \right) + e^{-4i\gamma} \left( i\sin(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos
  +e^{4i\gamma}\left(i\sin(\beta)\cos^{7}(\beta)-6\sin^{2}(\beta)\cos^{6}(\beta)-11i\sin^{3}(\beta)\cos^{5}(\beta)+20\sin^{4}(\beta)\cos^{4}(\beta)+11i\sin^{5}(\beta)\cos^{3}(\beta)-6\sin^{6}(\beta)\cos^{2}(\beta)-11i\sin^{3}(\beta)\cos^{5}(\beta)+20\sin^{4}(\beta)\cos^{4}(\beta)+11i\sin^{5}(\beta)\cos^{3}(\beta)-6\sin^{6}(\beta)\cos^{2}(\beta)-11i\sin^{3}(\beta)\cos^{5}(\beta)+20\sin^{4}(\beta)\cos^{4}(\beta)+11i\sin^{5}(\beta)\cos^{3}(\beta)-6\sin^{6}(\beta)\cos^{2}(\beta)-11i\sin^{3}(\beta)\cos^{5}(\beta)+20\sin^{4}(\beta)\cos^{4}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)+11i\sin^{5}(\beta)+11i\sin^{5}(\beta)+11i\sin^{5}(\beta)+11i\sin^{5}(\beta)+11i\sin^{5}(\beta)+
+(-8\sin^2(\beta)\cos^6(\beta)-8\sin^6(\beta)\cos^2(\beta))(\cos^8(\beta)+6i\sin(\beta)\cos^7(\beta)-16\sin^2(\beta)\cos^6(\beta)-26i\sin^3(\beta)\cos^5(\beta)+2e^{-8i\gamma}\sin^4(\beta)\cos^2(\beta)
  +2e^{8i\gamma}\sin^4(\beta)\cos^4(\beta)+42\sin^4(\beta)\cos^4(\beta)+26i\sin^5(\beta)\cos^3(\beta)-16\sin^6(\beta)\cos^2(\beta)-6i\sin^7(\beta)\cos(\beta)+\sin^8(\beta)
+e^{-4i\gamma} \left( i\sin(\beta)\cos^{7}(\beta) - 6\sin^{2}(\beta)\cos^{6}(\beta) - 15i\sin^{3}(\beta)\cos^{5}(\beta) + 12\sin^{4}(\beta)\cos^{4}(\beta) + 15i\sin^{5}(\beta)\cos^{3}(\beta) - 6\sin^{6}(\beta)\cos^{2}(\beta) + 15i\sin^{4}(\beta)\cos^{4}(\beta) + 15i\sin^{5}(\beta)\cos^{3}(\beta) - 6\sin^{6}(\beta)\cos^{2}(\beta) + 15i\sin^{4}(\beta)\cos^{4}(\beta) 
+e^{4i\gamma} \left( i\sin(\beta)\cos^{7}(\beta) - 6\sin^{2}(\beta)\cos^{6}(\beta) - 15i\sin^{3}(\beta)\cos^{5}(\beta) + 12\sin^{4}(\beta)\cos^{4}(\beta) + 15i\sin^{5}(\beta)\cos^{3}(\beta) - 6\sin^{6}(\beta)\cos^{2}(\beta) - 15i\sin^{3}(\beta)\cos^{5}(\beta) + 12\sin^{4}(\beta)\cos^{4}(\beta) + 15i\sin^{5}(\beta)\cos^{3}(\beta) - 6\sin^{6}(\beta)\cos^{2}(\beta) - 15i\sin^{3}(\beta)\cos^{5}(\beta) + 12\sin^{4}(\beta)\cos^{4}(\beta) + 15i\sin^{5}(\beta)\cos^{3}(\beta) - 6\sin^{6}(\beta)\cos^{2}(\beta) - 15i\sin^{3}(\beta)\cos^{5}(\beta) + 12\sin^{4}(\beta)\cos^{4}(\beta) + 15i\sin^{5}(\beta)\cos^{5}(\beta) + 12\sin^{4}(\beta)\cos^{5}(\beta) + 12\sin^{5}(\beta)\cos^{5}(\beta) + 12\sin^{5}(\beta)\cos^{5}(\beta
+(16i\cos^3(\beta)\sin^5(\beta)-16i\cos^5(\beta)\sin^3(\beta))(\cos^8(\beta)+4i\sin(\beta)\cos^7(\beta)-12\sin^2(\beta)\cos^6(\beta)-34i\sin^3(\beta)\cos^5(\beta)
+38 \sin ^4(\beta) \cos ^4(\beta)+34 i \sin ^5(\beta) \cos ^3(\beta)-12 \sin ^6(\beta) \cos ^2(\beta)-4 i \sin ^7(\beta) \cos (\beta)+\sin ^8(\beta)+e^{-8 i \gamma} \left(i \cos ^3(\beta) \sin ^5(\beta)-i \cos ^5(\beta) \sin ^5(\beta)\right)
+e^{8i\gamma}(i\cos^3(\beta)\sin^5(\beta)-i\cos^5(\beta)\sin^3(\beta))+e^{-4i\gamma}(2i\sin(\beta)\cos^7(\beta)-8\sin^2(\beta)\cos^6(\beta)-10i\sin^3(\beta)\cos^5(\beta)+16\sin^4(\beta)\cos^2(\beta)\sin^3(\beta)\sin^3(\beta)\cos^2(\beta)\sin^3(\beta)\sin^3(\beta)\cos^2(\beta)\sin^3(\beta)\cos^2(\beta)\sin^3(\beta)\cos^2(\beta)\sin^3(\beta)\cos^2(\beta)\cos^2(\beta)\sin^3(\beta)\cos^2(\beta)\cos^2(\beta)\sin^3(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^2(\beta)\cos^
  +e^{4i\gamma}(2i\sin(\beta)\cos^{7}(\beta)-8\sin^{2}(\beta)\cos^{6}(\beta)-10i\sin^{3}(\beta)\cos^{5}(\beta)+16\sin^{4}(\beta)\cos^{4}(\beta)+10i\sin^{5}(\beta)\cos^{3}(\beta)-8\sin^{6}(\beta)\cos^{2}(\beta)
+(-4\sin^2(\beta)\cos^6(\beta)+8\sin^4(\beta)\cos^4(\beta)-4\sin^6(\beta)\cos^2(\beta))(\cos^8(\beta)+4i\sin(\beta)\cos^7(\beta)-15\sin^2(\beta)\cos^6(\beta)-28i\sin^3(\beta)\cos^2(\beta))
  +2e^{8i\gamma}\sin^4(\beta)\cos^4(\beta)+44\sin^4(\beta)\cos^4(\beta)+28i\sin^5(\beta)\cos^3(\beta)-15\sin^6(\beta)\cos^2(\beta)-4i\sin^7(\beta)\cos(\beta)+\sin^8(\beta)
  +e^{-8i\gamma}\left(-\sin^{2}(\beta)\cos^{6}(\beta)-\sin^{6}(\beta)\cos^{2}(\beta)\right)+e^{4i\gamma}\left(2i\sin(\beta)\cos^{7}(\beta)-7\sin^{2}(\beta)\cos^{6}(\beta)-14i\sin^{3}(\beta)\cos^{5}(\beta)+10\sin^{4}(\beta)\cos^{2}(\beta)\right)
  +e^{-4i\gamma}\left(2i\sin(\beta)\cos^{7}(\beta)-5\sin^{2}(\beta)\cos^{6}(\beta)-14i\sin^{3}(\beta)\cos^{5}(\beta)+14\sin^{4}(\beta)\cos^{4}(\beta)+14i\sin^{5}(\beta)\cos^{3}(\beta)-5\sin^{6}(\beta)\cos^{2}(\beta)\right)
+(-4\sin^2(\beta)\cos^6(\beta)+8\sin^4(\beta)\cos^4(\beta)-4\sin^6(\beta)\cos^2(\beta))(\cos^8(\beta)+4i\sin(\beta)\cos^7(\beta)-15\sin^2(\beta)\cos^6(\beta)-28i\sin^3(\beta)\cos^2(\beta)
  +2e^{-8i\gamma}\sin^4(\beta)\cos^4(\beta)+44\sin^4(\beta)\cos^4(\beta)+28i\sin^5(\beta)\cos^3(\beta)-15\sin^6(\beta)\cos^2(\beta)-4i\sin^7(\beta)\cos(\beta)+\sin^8(\beta)
+e^{8i\gamma}\left(-\sin^2(\beta)\cos^6(\beta)-\sin^6(\beta)\cos^2(\beta)\right)+e^{-4i\gamma}\left(2i\sin(\beta)\cos^7(\beta)-7\sin^2(\beta)\cos^6(\beta)-14i\sin^3(\beta)\cos^5(\beta)+10\sin^4(\beta)\cos^2(\beta)\right)
+e^{4i\gamma} \left(2i\sin(\beta)\cos^{7}(\beta)-5\sin^{2}(\beta)\cos^{6}(\beta)-14i\sin^{3}(\beta)\cos^{5}(\beta)+14\sin^{4}(\beta)\cos^{4}(\beta)+14i\sin^{5}(\beta)\cos^{3}(\beta)-5\sin^{6}(\beta)\cos^{2}(\beta)-14i\sin^{2}(\beta)\cos^{2}(\beta)+14\sin^{4}(\beta)\cos^{4}(\beta)+14i\sin^{5}(\beta)\cos^{3}(\beta)-14i\sin^{4}(\beta)\cos^{5}(\beta)+14\sin^{4}(\beta)\cos^{4}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14\sin^{4}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)\cos^{5}(\beta)+14i\sin^{5}(\beta)+14i\sin^{5}(\beta)+14i\sin^{5}(\beta)+14i\sin^{5}(\beta)+14i\sin^{5}(\beta)+14i\sin^{5}(\beta)+14i\sin^{5}(\beta)+14i\sin^{5}(\beta)+14i\sin^{5}(\beta)+14i\sin^{5}(\beta)+14i\sin^{
+(-4\sin^2(\beta)\cos^6(\beta)-4\sin^6(\beta)\cos^2(\beta))(\cos^8(\beta)+4i\sin(\beta)\cos^7(\beta)-18\sin^2(\beta)\cos^6(\beta)-28i\sin^3(\beta)\cos^5(\beta)+38\sin^4(\beta)\cos^2(\beta)
+28i\sin^{5}(\beta)\cos^{3}(\beta)-18\sin^{6}(\beta)\cos^{2}(\beta)-4i\sin^{7}(\beta)\cos(\beta)+\sin^{8}(\beta)+e^{-8i\gamma}\left(-\sin^{2}(\beta)\cos^{6}(\beta)-\sin^{6}(\beta)\cos^{2}(\beta)\right)
+e^{8i\gamma}\left(-\sin^{2}(\beta)\cos^{6}(\beta)-\sin^{6}(\beta)\cos^{2}(\beta)\right)+e^{-4i\gamma}\left(2i\sin(\beta)\cos^{7}(\beta)-4\sin^{2}(\beta)\cos^{6}(\beta)-14i\sin^{3}(\beta)\cos^{5}(\beta)+16\sin^{4}(\beta)\cos^{6}(\beta)\right)+e^{-4i\gamma}\left(2i\sin(\beta)\cos^{7}(\beta)-4\sin^{2}(\beta)\cos^{6}(\beta)-14i\sin^{3}(\beta)\cos^{5}(\beta)+16\sin^{4}(\beta)\cos^{6}(\beta)\right)+e^{-4i\gamma}\left(2i\sin(\beta)\cos^{7}(\beta)-4\sin^{2}(\beta)\cos^{6}(\beta)-14i\sin^{3}(\beta)\cos^{5}(\beta)+16\sin^{4}(\beta)\cos^{6}(\beta)\right)+e^{-4i\gamma}\left(2i\sin(\beta)\cos^{7}(\beta)-4\sin^{2}(\beta)\cos^{6}(\beta)-14i\sin^{3}(\beta)\cos^{5}(\beta)+16\sin^{4}(\beta)\cos^{6}(\beta)\right)+e^{-4i\gamma}\left(2i\sin(\beta)\cos^{7}(\beta)-4\sin^{4}(\beta)\cos^{6}(\beta)-14i\sin^{3}(\beta)\cos^{5}(\beta)+16\sin^{4}(\beta)\cos^{6}(\beta)\right)+e^{-4i\gamma}\left(2i\sin(\beta)\cos^{7}(\beta)-4\sin^{4}(\beta)\cos^{6}(\beta)-14i\sin^{4}(\beta)\cos^{5}(\beta)+16\sin^{4}(\beta)\cos^{6}(\beta)\right)+e^{-4i\gamma}\left(2i\sin(\beta)\cos^{7}(\beta)-4\sin^{4}(\beta)\cos^{6}(\beta)-14i\sin^{4}(\beta)\cos^{5}(\beta)+16\sin^{4}(\beta)\cos^{6}(\beta)\right)+e^{-4i\gamma}\left(2i\sin(\beta)\cos^{7}(\beta)-4\sin^{4}(\beta)\cos^{6}(\beta)-14i\sin^{4}(\beta)\cos^{5}(\beta)+16\sin^{4}(\beta)\cos^{6}(\beta)\right)+e^{-4i\gamma}\left(2i\sin(\beta)\cos^{6}(\beta)-14i\sin^{4}(\beta)\cos^{6}(\beta)+16\sin^{4}(\beta)\cos^{6}(\beta)+16\sin^{4}(\beta)\cos^{6}(\beta)\right)+e^{-4i\gamma}\left(2i\sin(\beta)\cos^{6}(\beta)-14i\sin^{4}(\beta)\cos^{6}(\beta)+16\sin^{4}(\beta)\cos^{6}(\beta)\right)+e^{-4i\gamma}\left(2i\sin(\beta)\cos^{6}(\beta)-14i\sin^{4}(\beta)\cos^{6}(\beta)+16\sin^{4}(\beta)\cos^{6}(\beta)\right)+e^{-4i\gamma}\left(2i\sin(\beta)\cos^{6}(\beta)-14i\sin^{4}(\beta)\cos^{6}(\beta)\right)+e^{-4i\gamma}\left(2i\sin(\beta)\cos^{6}(\beta)-14i\sin^{4}(\beta)\cos^{6}(\beta)\right)+e^{-4i\gamma}\left(2i\sin(\beta)\cos^{6}(\beta)-14i\sin^{4}(\beta)\cos^{6}(\beta)\right)+e^{-4i\gamma}\left(2i\sin(\beta)\cos^{6}(\beta)-14i\sin^{4}(\beta)\cos^{6}(\beta)\right)+e^{-4i\gamma}\left(2i\sin(\beta)\cos^{6}(\beta)-14i\sin^{4}(\beta)\cos^{6}(\beta)\right)+e^{-4i\gamma}\left(2i\sin(\beta)\cos^{6}(\beta)-14i\sin^{6}(\beta)\cos^{6}(\beta)\right)+e^{-4i\gamma}\left(2i\sin(\beta)\cos^{6}(\beta)-14i\sin^{6}(\beta)\cos^{6}(\beta)\right)+e^{-4i\gamma}\left(2i\sin(\beta)\cos^{6}(\beta)-14i\sin^{6}(\beta)\cos^{6}(\beta)\right)+e^{-4i\gamma}\left(2i\sin(\beta)\cos^{6}(\beta)-14i\sin^{6}(\beta)\cos^{6}(\beta)\right)+e^{-4i\gamma}\left(2i\sin(\beta)\cos^{6}(\beta)-14i\sin^{6}(\beta)\cos^{6}(\beta)\right)+e^{-4i\gamma}\left(2i\sin(\beta)\cos^{6}(\beta)-14i\sin^{6}(\beta)\cos^{6}(\beta)\right)+e^{-4i\gamma}\left(2i\sin(\beta)\cos^{6}(\beta)-14i\sin^{6}(\beta)\cos^{6}(\beta)\right)+e^{-4i\gamma}\left(2i\sin(\beta)\cos^{6}(\beta)-14i\sin^{6}(\beta)\cos^{6}(\beta)\right)+e^{-4i\gamma}\left(2i\sin(\beta)\cos^{6}(\beta)-14i\sin^{6}(\beta)\cos^{6}(\beta)\right)+e^{-4i\gamma}\left(2i\sin(\beta)\cos^{6}(\beta)-14i\sin^{6}(\beta)\cos^{6}(\beta)\right)+e^{-4i\gamma}\left(2i\sin(\beta)\cos^{6}(\beta)-14i\sin^{6}(\beta)\cos^{6}(\beta)\right)+e^{-4i\gamma}\left(2i\sin(\beta)\cos^{6}(\beta)-14i\sin^{6}(\beta)\cos^{6}(\beta)\right)+e^{-4i\gamma}\left(2i\sin(\beta)\cos^{6}(\beta)-14i\sin^{6}(\beta)\cos^{6}(\beta)\right)+e^{-4i\gamma}\left(2i\sin(\beta)\cos^{6}(\beta)-14i\sin^{6}(\beta)\cos^{6}(\beta)\right)+e^{-4i\gamma}\left(2i\sin(\beta)\cos^{6}(\beta)-14i\sin^{6}(\beta)\cos^{6}(\beta)\right)+e^{-4i\gamma}\left(2i\sin(\beta)\cos^{6}(\beta)-14i\sin^{6}(\beta)\cos^{6}(\beta)\right)+e^{-4i\gamma}\left(2i\sin(\beta)\cos^{6}(\beta)-14i\sin^{6}(\beta)\cos^{6}(\beta)\right)+e^{-4i\gamma}\left(2i\sin(\beta)\cos^{6}(\beta)-14i\sin^{6}(\beta)\cos^{6}(\beta)\right)+e^{-4i\gamma}\left(2i\sin(\beta)\cos^{6}(\beta)-14
+e^{4i\gamma}\left(2i\sin(\beta)\cos^{7}(\beta)-4\sin^{2}(\beta)\cos^{6}(\beta)-14i\sin^{3}(\beta)\cos^{5}(\beta)+16\sin^{4}(\beta)\cos^{4}(\beta)+14i\sin^{5}(\beta)\cos^{3}(\beta)-4\sin^{6}(\beta)\cos^{2}(\beta)+14i\sin^{2}(\beta)\cos^{2}(\beta)+14i\sin^{2}(\beta)\cos^{2}(\beta)+14i\sin^{2}(\beta)\cos^{2}(\beta)+14i\sin^{2}(\beta)\cos^{2}(\beta)+14i\sin^{2}(\beta)\cos^{2}(\beta)+14i\sin^{2}(\beta)\cos^{2}(\beta)+14i\sin^{2}(\beta)\cos^{2}(\beta)+14i\sin^{2}(\beta)\cos^{2}(\beta)+14i\sin^{2}(\beta)\cos^{2}(\beta)+14i\sin^{2}(\beta)\cos^{2}(\beta)+14i\sin^{2}(\beta)\cos^{2}(\beta)+14i\sin^{2}(\beta)\cos^{2}(\beta)+14i\sin^{2}(\beta)\cos^{2}(\beta)+14i\sin^{2}(\beta)\cos^{2}(\beta)+14i\sin^{2}(\beta)\cos^{2}(\beta)+14i\sin^{2}(\beta)\cos^{2}(\beta)+14i\sin^{2}(\beta)\cos^{2}(\beta)+14i\sin^{2}(\beta)\cos^{2}(\beta)+14i\sin^{2}(\beta)\cos^{2}(\beta)+14i\sin^{2}(\beta)\cos^{2}(\beta)+14i\sin^{2}(\beta)\cos^{2}(\beta)+14i\sin^{2}(\beta)\cos^{2}(\beta)+14i\sin^{2}(\beta)\cos^{2}(\beta)+14i\sin^{2}(\beta)\cos^{2}(\beta)+14i\sin^{2}(\beta)\cos^{2}(\beta)+14i\sin^{2}(\beta)\cos^{2}(\beta)+14i\sin^{2}(\beta)\cos^{2}(\beta)+14i\sin^{2}(\beta)\cos^{2}(\beta)+14i\sin^{2}(\beta)\cos^{2}(\beta)+14i\sin^{2}(\beta)\cos^{2}(\beta)+14i\sin^{2}(\beta)\cos^{2}(\beta)+14i\sin^{2}(\beta)\cos^{2}(\beta)+14i\sin^{2}(\beta)\cos^{2}(\beta)+14i\sin^{2}(\beta)\cos^{2}(\beta)+14i\sin^{2}(\beta)\cos^{2}(\beta)+14i\sin^{2}(\beta)\cos^{2}(\beta)+14i\sin^{2}(\beta)\cos^{2}(\beta)+14i\sin^{2}(\beta)\cos^{2}(\beta)+14i\sin^{2}(\beta)\cos^{2}(\beta)+14i\sin^{2}(\beta)\cos^{2}(\beta)+14i\sin^{2}(\beta)\cos^{2}(\beta)+14i\sin^{2}(\beta)\cos^{2}(\beta)+14i\sin^{2}(\beta)\cos^{2}(\beta)+14i\sin^{2}(\beta)\cos^{2}(\beta)+14i\sin^{2}(\beta)\cos^{2}(\beta)+14i\sin^{2}(\beta)\cos^{2}(\beta)+14i\sin^{2}(\beta)\cos^{2}(\beta)+14i\sin^{2}(\beta)\cos^{2}(\beta)+14i\sin^{2}(\beta)\cos^{2}(\beta)+14i\sin^{2}(\beta)\cos^{2}(\beta)+14i\sin^{2}(\beta)\cos^{2}(\beta)+14i\sin^{2}(\beta)\cos^{2}(\beta)+14i\sin^{2}(\beta)\cos^{2}(\beta)+14i\sin^{2}(\beta)\cos^{2}(\beta)+14i\sin^{2}(\beta)\cos^{2}(\beta)+14i\sin^{2}(\beta)\cos^{2}(\beta)+14i\sin^{2}(\beta)\cos^{2}(\beta)+14i\sin^{2}(\beta)\cos^{2}(\beta)+14i\sin^{2}(\beta)\cos^{2}(\beta)+14i\sin^{2}(\beta)\cos^{2}(\beta)+14i\sin^{2}(\beta)\cos^{2}(\beta)+14i\sin^{2}(\beta)\cos^{2}(\beta)+14i\sin^{2}(\beta)\cos^{2}(\beta)+14i\sin^{2}(\beta)\cos^{2}(\beta)+14i\sin^{2}(\beta)\cos^{2}(\beta)+14i\sin^{2}(\beta)\cos^{2}(\beta)+14i\sin^{2}(\beta)\cos^{2}(\beta)+14i\sin^{2}(\beta)\cos^{2}(\beta)+14i\sin^{2}(\beta)\cos^{2}(\beta)+14i\sin^{2}(\beta)\cos^{2}(\beta)+14i\sin^{2}(\beta)\cos^{2}(\beta)+14i\sin^{2}(\beta)\cos^{2}(\beta)+14i\sin^{2}(\beta)\cos^{2}(\beta)+14i\sin^{2}(\beta)\cos^{2}(\beta)+14i\sin^{2}(\beta)\cos^{2}(\beta)+14i\sin^{2}(\beta)\cos^{2}(\beta)+14i\sin^{2}(\beta)\cos^{2}(\beta)+14i\sin^{2}(\beta)\cos^{2}(\beta)+14i\sin^{2}(\beta)\cos^{2}(\beta)+14i\sin^{2}(\beta)\cos^{2}(\beta)+14i\sin^{2}(\beta)\cos^{2}(\beta)+14i\sin^{2}(\beta)\cos^{2}(\beta)+14i\sin^{2}(\beta)\cos^{2}(\beta)+14i\sin^{2}(\beta)\cos^{2}(\beta)+14i\sin^{2}(\beta)\cos^{2}(\beta)+14i\sin^{2}(\beta)\cos^{2}(\beta)+14i\sin^{2}(\beta)\cos^{2}(\beta)+14i\sin^{2}(\beta)\cos^{2}(\beta)+14i\sin^{2}(\beta)\cos^{2}(\beta)+14i\sin^{2}(\beta)\cos^{2}(\beta)+14i\sin^{2}(\beta)\cos^{2}(\beta)+14i\sin^{2}(\beta)\cos^{2}(\beta)+14i\sin^{2}(\beta)\cos^{2}(\beta)+14i\sin^{2}(\beta)\cos^{2}(\beta)+14i\sin^{2}(\beta)+14i\sin^{2}(\beta)+14i\sin^{2}(\beta)+14i\sin^{2}
+e^{-4i\gamma}\left(8i\cos^{3}(\beta)\sin^{5}(\beta)-8i\cos^{5}(\beta)\sin^{3}(\beta)\right)\left(5i\sin(\beta)\cos^{7}(\beta)-12\sin^{2}(\beta)\cos^{6}(\beta)-33i\sin^{3}(\beta)\cos^{5}(\beta)+40\sin^{4}(\beta)\cos^{4}(\beta)\sin^{2}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)\sin^{4}(\beta)
+33i\sin^{5}(\beta)\cos^{3}(\beta)-12\sin^{6}(\beta)\cos^{2}(\beta)-5i\sin^{7}(\beta)\cos(\beta)+e^{8i\gamma}\left(i\cos^{3}(\beta)\sin^{5}(\beta)-i\cos^{5}(\beta)\sin^{3}(\beta)\right)+e^{4i\gamma}\left(-6\sin^{2}(\beta)\cos^{2}(\beta)-i\cos^{2}(\beta)\sin^{3}(\beta)\right)+e^{4i\gamma}\left(-6\sin^{2}(\beta)\cos^{2}(\beta)-i\cos^{2}(\beta)\sin^{3}(\beta)\right)+e^{4i\gamma}\left(-6\sin^{2}(\beta)\cos^{2}(\beta)-i\cos^{2}(\beta)\sin^{3}(\beta)\right)+e^{4i\gamma}\left(-6\sin^{2}(\beta)\cos^{2}(\beta)-i\cos^{2}(\beta)\sin^{3}(\beta)\right)+e^{4i\gamma}\left(-6\sin^{2}(\beta)\cos^{2}(\beta)-i\cos^{2}(\beta)\cos^{2}(\beta)\right)+e^{4i\gamma}\left(-6\sin^{2}(\beta)\cos^{2}(\beta)-i\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\cos
+e^{-8i\gamma}\left(i\cos^{7}(\beta)\sin(\beta)-i\cos(\beta)\sin^{7}(\beta)\right)+e^{-4i\gamma}\left(\cos^{8}(\beta)+2i\sin(\beta)\cos^{7}(\beta)-10\sin^{2}(\beta)\cos^{6}(\beta)-10i\sin^{3}(\beta)\cos^{5}(\beta)+10\sin^{2}(\beta)\sin^{2}(\beta)\cos^{6}(\beta)+10\sin^{2}(\beta)\cos^{6}(\beta)+10\sin^{2}(\beta)\cos^{6}(\beta)+10\sin^{2}(\beta)\cos^{6}(\beta)+10\sin^{2}(\beta)\cos^{6}(\beta)+10\sin^{2}(\beta)\cos^{6}(\beta)+10\sin^{2}(\beta)\cos^{6}(\beta)+10\sin^{2}(\beta)\cos^{6}(\beta)+10\sin^{2}(\beta)\cos^{6}(\beta)+10\sin^{2}(\beta)\cos^{6}(\beta)+10\sin^{2}(\beta)\cos^{6}(\beta)+10\sin^{2}(\beta)\cos^{6}(\beta)+10\sin^{2}(\beta)\cos^{6}(\beta)+10\sin^{2}(\beta)\cos^{6}(\beta)+10\sin^{2}(\beta)\cos^{6}(\beta)+10\sin^{2}(\beta)\cos^{6}(\beta)+10\sin^{2}(\beta)\cos^{6}(\beta)+10\sin^{2}(\beta)\cos^{6}(\beta)+10\sin^{2}(\beta)\cos^{6}(\beta)+10\sin^{2}(\beta)\cos^{6}(\beta)+10\sin^{2}(\beta)\cos^{6}(\beta)+10\sin^{2}(\beta)\cos^{6}(\beta)+10\sin^{2}(\beta)\cos^{6}(\beta)+10\sin^{2}(\beta)\cos^{6}(\beta)+10\sin^{2}(\beta)\cos^{6}(\beta)+10\sin^{2}(\beta)\cos^{6}(\beta)+10\sin^{2}(\beta)\cos^{6}(\beta)+10\sin^{2}(\beta)\cos^{6}(\beta)+10\sin^{2}(\beta)\cos^{6}(\beta)+10\sin^{2}(\beta)\cos^{6}(\beta)+10\sin^{2}(\beta)\cos^{6}(\beta)+10\sin^{2}(\beta)\cos^{6}(\beta)+10\sin^{2}(\beta)\cos^{6}(\beta)+10\sin^{2}(\beta)\cos^{6}(\beta)+10\sin^{2}(\beta)\cos^{6}(\beta)+10\sin^{2}(\beta)\cos^{6}(\beta)+10\sin^{2}(\beta)\cos^{6}(\beta)+10\sin^{2}(\beta)\cos^{6}(\beta)+10\sin^{2}(\beta)\cos^{6}(\beta)+10\sin^{2}(\beta)\cos^{6}(\beta)+10\sin^{2}(\beta)\cos^{6}(\beta)+10\sin^{2}(\beta)\cos^{6}(\beta)+10\sin^{2}(\beta)\cos^{6}(\beta)+10\sin^{2}(\beta)\cos^{6}(\beta)+10\sin^{2}(\beta)\cos^{6}(\beta)+10\sin^{2}(\beta)\cos^{6}(\beta)+10\sin^{2}(\beta)\cos^{6}(\beta)+10\sin^{6}(\beta)\cos^{6}(\beta)+10\sin^{6}(\beta)\cos^{6}(\beta)+10\sin^{6}(\beta)\cos^{6}(\beta)+10\sin^{6}(\beta)\cos^{6}(\beta)+10\sin^{6}(\beta)\cos^{6}(\beta)+10\sin^{6}(\beta)\cos^{6}(\beta)+10\sin^{6}(\beta)\cos^{6}(\beta)+10\sin^{6}(\beta)\cos^{6}(\beta)+10\sin^{6}(\beta)\cos^{6}(\beta)+10\sin^{6}(\beta)\cos^{6}(\beta)+10\sin^{6}(\beta)\cos^{6}(\beta)+10\sin^{6}(\beta)\cos^{6}(\beta)+10\sin^{6}(\beta)\cos^{6}(\beta)+10\sin^{6}(\beta)\cos^{6}(\beta)+10\sin^{6}(\beta)\cos^{6}(\beta)+10\sin^{6}(\beta)\cos^{6}(\beta)+10\sin^{6}(\beta)\cos^{6}(\beta)+10\sin^{6}(\beta)\cos^{6}(\beta)+10\sin^{6}(\beta)\cos^{6}(\beta)+10\sin^{6}(\beta)\cos^{6}(\beta)+10\sin^{6}(\beta)\cos^{6}(\beta)+10\sin^{6}(\beta)\cos^{6}(\beta)+10\sin^{6}(\beta)\cos^{6}(\beta)+10\sin^{6}(\beta)\cos^{6}(\beta)+10\sin^{6}(\beta)\cos^{6}(\beta)+10\sin^{6}(\beta)\cos^{6}(\beta)+10\sin^{6}(\beta)\cos^{6}(\beta)+10\sin^{6}(\beta)\cos^{6}(\beta)+10\sin^{6}(\beta)\cos^{6}(\beta)+10\sin^{6}(\beta)\cos^{6}(\beta)\sin^{6}(\beta)\cos^{6}(\beta)\sin^{6}(\beta)\cos^{6}(\beta)\sin^{6}(\beta)\cos^{6}(\beta)\sin^{6}(\beta)\cos^{6}(\beta)\sin^{6}(\beta)\cos^{6}(\beta)\sin^{6}(\beta)\cos^{6}(\beta)\sin^{6}(\beta)\cos^{6}(\beta)\sin^{6}(\beta)\sin^{6}(\beta)\cos^{6}(\beta)\sin^{6}(\beta)\sin^{6}(\beta)\sin^{6}(\beta)\sin^{6}(\beta)\sin^{6}(\beta)\sin^{6}(\beta)\sin^{6}(\beta)\sin^{6}(\beta)\sin^{6}(\beta)\sin^{6}(\beta)\sin^{6}(\beta)\sin^{6}(\beta)\sin^{6}(\beta)\sin^{6}(\beta)\sin^{6}(\beta)\sin^{6}(\beta)\sin^{6}(\beta)\sin^{6}(\beta)\sin^{6}(\beta)\sin^{6}(\beta)\sin^{6}(\beta)\sin^{6}(\beta)\sin^{6}(\beta)\sin^{6}(\beta)\sin^{6}(\beta)\sin^{6}(\beta)\sin^{6}(\beta)\sin^{6}(\beta)\sin^{6}(\beta)\sin^{6}(\beta)\sin^{6}(\beta)\sin^{6}(\beta)\sin^{6}(\beta)\sin^{6}(\beta)\sin^{6}(\beta)\sin^{6}(\beta)\sin^{6}(\beta)\sin^{6}(\beta)\sin^{6}(\beta)\sin^{6}(\beta)\sin^{6
+e^{4i\gamma}\left(8i\cos^{3}(\beta)\sin^{5}(\beta)-8i\cos^{5}(\beta)\sin^{3}(\beta)\right)\left(5i\sin(\beta)\cos^{7}(\beta)-12\sin^{2}(\beta)\cos^{6}(\beta)-33i\sin^{3}(\beta)\cos^{5}(\beta)+40\sin^{4}(\beta)\cos^{4}(\beta)\sin^{2}(\beta)\cos^{4}(\beta)\sin^{2}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos
+e^{8i\gamma}\left(i\cos^{7}(\beta)\sin(\beta)-i\cos(\beta)\sin^{7}(\beta)\right)+e^{4i\gamma}\left(\cos^{8}(\beta)+2i\sin(\beta)\cos^{7}(\beta)-10\sin^{2}(\beta)\cos^{6}(\beta)-10i\sin^{3}(\beta)\cos^{5}(\beta)+10\sin^{4}(\beta)\cos^{2}(\beta)+10\sin^{4}(\beta)\cos^{2}(\beta)\cos^{2}(\beta)\right)
+e^{-4i\gamma}\left(8i\cos^{3}(\beta)\sin^{5}(\beta)-8i\cos^{5}(\beta)\sin^{3}(\beta)\right)\left(4i\sin(\beta)\cos^{7}(\beta)-16\sin^{2}(\beta)\cos^{6}(\beta)-34i\sin^{3}(\beta)\cos^{5}(\beta)+32\sin^{4}(\beta)\cos^{4}(\beta)\sin^{2}(\beta)\cos^{4}(\beta)\sin^{5}(\beta)\cos^{5}(\beta)\sin^{5}(\beta)\cos^{5}(\beta)\sin^{5}(\beta)\cos^{5}(\beta)\sin^{5}(\beta)\cos^{5}(\beta)\sin^{5}(\beta)\cos^{5}(\beta)\sin^{5}(\beta)\cos^{5}(\beta)\sin^{5}(\beta)\cos^{5}(\beta)\sin^{5}(\beta)\cos^{5}(\beta)\sin^{5}(\beta)\cos^{5}(\beta)\sin^{5}(\beta)\cos^{5}(\beta)\sin^{5}(\beta)\cos^{5}(\beta)\sin^{5}(\beta)\cos^{5}(\beta)\sin^{5}(\beta)\cos^{5}(\beta)\sin^{5}(\beta)\cos^{5}(\beta)\sin^{5}(\beta)\cos^{5}(\beta)\sin^{5}(\beta)\cos^{5}(\beta)\sin^{5}(\beta)\cos^{5}(\beta)\sin^{5}(\beta)\cos^{5}(\beta)\sin^{5}(\beta)\cos^{5}(\beta)\sin^{5}(\beta)\cos^{5}(\beta)\sin^{5}(\beta)\cos^{5}(\beta)\sin^{5}(\beta)\cos^{5}(\beta)\sin^{5}(\beta)\cos^{5}(\beta)\sin^{5}(\beta)\cos^{5}(\beta)\sin^{5}(\beta)\cos^{5}(\beta)\sin^{5}(\beta)\cos^{5}(\beta)\sin^{5}(\beta)\cos^{5}(\beta)\sin^{5}(\beta)\cos^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\cos^{5}(\beta)\sin^{5}(\beta)\cos^{5}(\beta)\sin^{5}(\beta)\cos^{5}(\beta)\sin^{5}(\beta)\cos^{5}(\beta)\sin^{5}(\beta)\cos^{5}(\beta)\sin^{5}(\beta)\cos^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\cos^{5}(\beta)\sin^{5}(\beta)\cos^{5}(\beta)\sin^{5}(\beta)\cos^{5}(\beta)\sin^{5}(\beta)\cos^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)
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 $+34i\sin^{5}(\beta)\cos^{3}(\beta)-16\sin^{6}(\beta)\cos^{2}(\beta)-4i\sin^{7}(\beta)\cos(\beta)+e^{-8i\gamma}(i\cos^{3}(\beta)\sin^{5}(\beta)-i\cos^{5}(\beta)\sin^{3}(\beta))+e^{8i\gamma}(i\cos^{3}(\beta)\sin^{5}(\beta)\cos^{2}(\beta)\sin^{5}(\beta)\cos^{2}(\beta)\sin^{5}($

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(4\cos^4(\beta)(\cos^8(\beta) + 8i\sin(\beta)\cos^7(\beta) - 20\sin^2(\beta)\cos^6(\beta) - 24i\sin^3(\beta)\cos^5(\beta))
+2e^{-8i\gamma}\sin^4(\beta)\cos^4(\beta) + 2e^{8i\gamma}\sin^4(\beta)\cos^4(\beta) + 34\sin^4(\beta)\cos^4(\beta)
+24i\sin^{5}(\beta)\cos^{3}(\beta) - 20\sin^{6}(\beta)\cos^{2}(\beta) - 8i\sin^{7}(\beta)\cos(\beta) + \sin^{8}(\beta)
 +e^{-4i\gamma}\left(-4\sin^2(\beta)\cos^6(\beta)-16i\sin^3(\beta)\cos^5(\beta)+16\sin^4(\beta)\cos^4(\beta)+16i\sin^5(\beta)\cos^3(\beta)-4\sin^6(\beta)\cos^2(\beta)\right)
 +e^{4i\gamma}\left(-4\sin^2(\beta)\cos^6(\beta)-16i\sin^3(\beta)\cos^5(\beta)+16\sin^4(\beta)\cos^4(\beta)+16i\sin^5(\beta)\cos^3(\beta)-4\sin^6(\beta)\cos^2(\beta)\right)\sin^4(\beta)
+16\cos^4(\beta)(\cos^8(\beta)+6i\sin(\beta)\cos^7(\beta)-16\sin^2(\beta)\cos^6(\beta)-26i\sin^3(\beta)\cos^5(\beta)
 +2e^{-8i\gamma}\sin^4(\beta)\cos^4(\beta) + 2e^{8i\gamma}\sin^4(\beta)\cos^4(\beta) + 42\sin^4(\beta)\cos^4(\beta)
 +26i\sin^{5}(\beta)\cos^{3}(\beta)-16\sin^{6}(\beta)\cos^{2}(\beta)-6i\sin^{7}(\beta)\cos(\beta)+\sin^{8}(\beta)
+e^{-4i\gamma}\left(i\sin(\beta)\cos^{7}(\beta)-6\sin^{2}(\beta)\cos^{6}(\beta)-15i\sin^{3}(\beta)\cos^{5}(\beta)+12\sin^{4}(\beta)\cos^{4}(\beta)+15i\sin^{5}(\beta)\cos^{3}(\beta)-6\sin^{6}(\beta)\cos^{2}(\beta)+12\sin^{4}(\beta)\cos^{4}(\beta)+15i\sin^{5}(\beta)\cos^{3}(\beta)+12\sin^{4}(\beta)\cos^{4}(\beta)+15i\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{4}(\beta)\cos^{5}(\beta)+12\sin^{4}(\beta)\cos^{5}(\beta)+12\sin^{4}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)+12\sin^{5}(\beta)+12\sin^{5}(\beta)+12\sin^{5}(
+e^{4i\gamma}\left(i\sin(\beta)\cos^{7}(\beta)-6\sin^{2}(\beta)\cos^{6}(\beta)-15i\sin^{3}(\beta)\cos^{5}(\beta)+12\sin^{4}(\beta)\cos^{4}(\beta)+15i\sin^{5}(\beta)\cos^{3}(\beta)-6\sin^{6}(\beta)\cos^{2}(\beta)-15i\sin^{3}(\beta)\cos^{5}(\beta)+12\sin^{4}(\beta)\cos^{4}(\beta)+15i\sin^{5}(\beta)\cos^{3}(\beta)-15i\sin^{6}(\beta)\cos^{5}(\beta)+12\sin^{4}(\beta)\cos^{4}(\beta)+15i\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{4}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12\sin^{5}(\beta)\cos^{5}(\beta)+12
 +16\cos^{4}(\beta)(\cos^{8}(\beta)+4i\sin(\beta)\cos^{7}(\beta)-15\sin^{2}(\beta)\cos^{6}(\beta)-28i\sin^{3}(\beta)\cos^{5}(\beta)
+2e^{-8i\gamma}\sin^4(\beta)\cos^4(\beta) + 44\sin^4(\beta)\cos^4(\beta) + 28i\sin^5(\beta)\cos^3(\beta) - 15\sin^6(\beta)\cos^2(\beta)
 -4i\sin^7(\beta)\cos(\beta) + \sin^8(\beta) + e^{8i\gamma}\left(-\sin^2(\beta)\cos^6(\beta) - \sin^6(\beta)\cos^2(\beta)\right)
+e^{-4i\gamma} \left(2i\sin(\beta)\cos^{7}(\beta)-7\sin^{2}(\beta)\cos^{6}(\beta)-14i\sin^{3}(\beta)\cos^{5}(\beta)+10\sin^{4}(\beta)\cos^{4}(\beta)+14i\sin^{5}(\beta)\cos^{3}(\beta)-7\sin^{6}(\beta)\cos^{2}(\beta)\right)
 +e^{4i\gamma}\left(2i\sin(\beta)\cos^{7}(\beta)-5\sin^{2}(\beta)\cos^{6}(\beta)-14i\sin^{3}(\beta)\cos^{5}(\beta)+14\sin^{4}(\beta)\cos^{4}(\beta)+14i\sin^{5}(\beta)\cos^{3}(\beta)-5\sin^{6}(\beta)\cos^{2}(\beta)+14i\sin^{4}(\beta)\cos^{4}(\beta)+14i\sin^{4}(\beta)\cos^{4}(\beta)+14i\sin^{4}(\beta)\cos^{4}(\beta)+14i\sin^{4}(\beta)\cos^{4}(\beta)+14i\sin^{4}(\beta)\cos^{4}(\beta)+14i\sin^{4}(\beta)\cos^{4}(\beta)+14i\sin^{4}(\beta)\cos^{4}(\beta)+14i\sin^{4}(\beta)\cos^{4}(\beta)+14i\sin^{4}(\beta)\cos^{4}(\beta)+14i\sin^{4}(\beta)\cos^{4}(\beta)+14i\sin^{4}(\beta)\cos^{4}(\beta)+14i\sin^{4}(\beta)\cos^{4}(\beta)+14i\sin^{4}(\beta)\cos^{4}(\beta)+14i\sin^{4}(\beta)\cos^{4}(\beta)+14i\sin^{4}(\beta)\cos^{4}(\beta)+14i\sin^{4}(\beta)\cos^{4}(\beta)+14i\sin^{4}(\beta)\cos^{4}(\beta)+14i\sin^{4}(\beta)\cos^{4}(\beta)+14i\sin^{4}(\beta)\cos^{4}(\beta)+14i\sin^{4}(\beta)\cos^{4}(\beta)+14i\sin^{4}(\beta)\cos^{4}(\beta)+14i\sin^{4}(\beta)\cos^{4}(\beta)+14i\sin^{4}(\beta)\cos^{4}(\beta)+14i\sin^{4}(\beta)\cos^{4}(\beta)+14i\sin^{4}(\beta)\cos^{4}(\beta)+14i\sin^{4}(\beta)\cos^{4}(\beta)+14i\sin^{4}(\beta)\cos^{4}(\beta)+14i\sin^{4}(\beta)\cos^{4}(\beta)+14i\sin^{4}(\beta)\cos^{4}(\beta)+14i\sin^{4}(\beta)\cos^{4}(\beta)+14i\sin^{4}(\beta)\cos^{4}(\beta)+14i\sin^{4}(\beta)\cos^{4}(\beta)+14i\sin^{4}(\beta)\cos^{4}(\beta)+14i\sin^{4}(\beta)\cos^{4}(\beta)+14i\sin^{4}(\beta)\cos^{4}(\beta)+14i\sin^{4}(\beta)\cos^{4}(\beta)+14i\sin^{4}(\beta)\cos^{4}(\beta)+14i\sin^{4}(\beta)\cos^{4}(\beta)+14i\sin^{4}(\beta)\cos^{4}(\beta)+14i\sin^{4}(\beta)\cos^{4}(\beta)+14i\sin^{4}(\beta)\cos^{4}(\beta)+14i\sin^{4}(\beta)\cos^{4}(\beta)+14i\sin^{4}(\beta)\cos^{4}(\beta)+14i\sin^{4}(\beta)\cos^{4}(\beta)+14i\sin^{4}(\beta)\cos^{4}(\beta)+14i\sin^{4}(\beta)\cos^{4}(\beta)+14i\sin^{4}(\beta)\cos^{4}(\beta)+14i\sin^{4}(\beta)\cos^{4}(\beta)+14i\sin^{4}(\beta)\cos^{4}(\beta)+14i\sin^{4}(\beta)\cos^{4}(\beta)+14i\sin^{4}(\beta)\cos^{4}(\beta)+14i\sin^{4}(\beta)\cos^{4}(\beta)+14i\sin^{4}(\beta)\cos^{4}(\beta)+14i\sin^{4}(\beta)\cos^{4}(\beta)+14i\sin^{4}(\beta)\cos^{4}(\beta)+14i\sin^{4}(\beta)\cos^{4}(\beta)+14i\sin^{4}(\beta)\cos^{4}(\beta)+14i\sin^{4}(\beta)\cos^{4}(\beta)+14i\sin^{4}(\beta)\cos^{4}(\beta)+14i\sin^{4}(\beta)\cos^{4}(\beta)+14i\sin^{4}(\beta)\cos^{4}(\beta)+14i\sin^{4}(\beta)\cos^{4}(\beta)+14i\sin^{4}(\beta)\cos^{4}(\beta)+14i\sin^{4}(\beta)\cos^{4}(\beta)+14i\sin^{4}(\beta)\cos^{4}(\beta)+14i\sin^{4}(\beta)\cos^{4}(\beta)+14i\sin^{4}(\beta)\cos^{4}(\beta)+14i\sin^{4}(\beta)\cos^{4}(\beta)+14i\sin^{4}(\beta)\cos^{4}(\beta)+14i\sin^{4}(\beta)\cos^{4}(\beta)+14i\sin^{4}(\beta)\cos^{4}(\beta)+14i\sin^{4}(\beta)\cos^{4}(\beta)+14i\sin^{4}(\beta)\cos^{4}(\beta)+14i\sin^{4}(\beta)\cos^{4}(\beta)+14i\sin^{4}(\beta)\cos^{4}(\beta)+14i\sin^{4}(\beta)\cos^{4}(\beta)+14i\sin^{4}(\beta)\cos^{4}(\beta)+14i\sin^{4}(\beta)\cos^{4}(\beta)+14i\sin^{4}(\beta)\cos^{4}(\beta)+14i\sin^{4}(\beta)\cos^{4}(\beta)+14i\sin^{4}(\beta)\cos^{4}(\beta)+14i\sin^{4}(\beta)\cos^{4}(\beta)+14i\sin^{4}(\beta)\cos^{4}(\beta)+14i\sin^{4}(\beta)\cos^{4}(\beta)+14i\sin^{4}(\beta)\cos^{4}(\beta)+14i\sin^{4}(\beta)\cos^{4}(\beta)+14i\sin^{4}(\beta)\cos^{4}(\beta)+14i\sin^{4}(\beta)\cos^{4}(\beta)+14i\sin^{4}(\beta)\cos^{4}(\beta)+14i\sin^{4}(\beta)\cos^{4}(\beta)+14i\sin^{4}(\beta)\cos^{4}(\beta)+14i\sin^{4}(\beta)\cos^{4}(\beta)+14i\sin^{4}(\beta)\cos^{4}(\beta)+14i\sin^{4}(\beta)+14i\sin^{4}(\beta)+14i\sin^{4}(\beta)+14i\sin^{4}(\beta)+14i\sin^{4}(\beta)+14i\cos
+2e^{8i\gamma}\cos^4(\beta)\left(-20\sin^2(\beta)\cos^6(\beta)-32i\sin^3(\beta)\cos^5(\beta)+2e^{-8i\gamma}\sin^4(\beta)\cos^4(\beta)+36\sin^4(\beta)\cos^4(\beta)\right)
 +32i\sin^{5}(\beta)\cos^{3}(\beta)-20\sin^{6}(\beta)\cos^{2}(\beta)+e^{-4i\gamma}\left(-16i\sin^{3}(\beta)\cos^{5}(\beta)+24\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{5}(\beta)\cos^{3}(\beta)\right)
+e^{4i\gamma} \left(8i\sin(\beta)\cos^{7}(\beta)-8\sin^{2}(\beta)\cos^{6}(\beta)-8i\sin^{3}(\beta)\cos^{5}(\beta)+8\sin^{4}(\beta)\cos^{4}(\beta)+8i\sin^{5}(\beta)\cos^{3}(\beta)-8\sin^{6}(\beta)\cos^{2}(\beta)-8i\sin^{4}(\beta)\cos^{5}(\beta)+8i\sin^{4}(\beta)\cos^{4}(\beta)+8i\sin^{5}(\beta)\cos^{3}(\beta)-8i\sin^{4}(\beta)\cos^{5}(\beta)+8i\sin^{4}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)\cos^{5}(\beta)+8i\sin^{5}(\beta)+8i\sin^{5}(\beta)+8i\sin^{5}(\beta)+8i\sin^{5}(\beta)+8i\sin^{5}(\beta)+8i\sin^{5}(\beta)+8i\sin^{5}(\beta)+8i\sin^{5}(\beta)+8i\sin^{5}(\beta)+8i\sin^{5}(\beta)+8i\sin^{5}(\beta)+8i\sin^{5}(\beta)+8i\sin^{5}(
+e^{8i\gamma}\left(\cos^{8}(\beta)+\sin^{8}(\beta)\right)\sin^{4}(\beta)+8e^{-4i\gamma}\cos^{4}(\beta)\left(4i\sin(\beta)\cos^{7}(\beta)-16\sin^{2}(\beta)\cos^{6}(\beta)-28i\sin^{3}(\beta)\cos^{5}(\beta)+2e^{-8i\gamma}\sin^{4}(\beta)\sin^{4}(\beta)\cos^{5}(\beta)\right)
+2e^{8i\gamma}\sin^{4}(\beta)\cos^{4}(\beta)+44\sin^{4}(\beta)\cos^{4}(\beta)+28i\sin^{5}(\beta)\cos^{3}(\beta)-16\sin^{6}(\beta)\cos^{2}(\beta)-4i\sin^{7}(\beta)\cos(\beta)+e^{4i\gamma}\left(-4\sin^{2}(\beta)\cos^{4}(\beta)+4\sin^{4}(\beta)\cos^{4}(\beta)+4\sin^{4}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)\cos^{4}(\beta)+2\sin^{4}(\beta)
+e^{-4i\gamma}\left(\cos^{8}(\beta)+4i\sin(\beta)\cos^{7}(\beta)-8\sin^{2}(\beta)\cos^{6}(\beta)-12i\sin^{3}(\beta)\cos^{5}(\beta)+6\sin^{4}(\beta)\cos^{4}(\beta)+12i\sin^{5}(\beta)\cos^{3}(\beta)-8\sin^{6}(\beta)\cos^{6}(\beta)+4i\sin^{6}(\beta)\cos^{6}(\beta)+4i\sin^{6}(\beta)\cos^{6}(\beta)+3i\sin^{6}(\beta)\cos^{6}(\beta)+3i\sin^{6}(\beta)\cos^{6}(\beta)+3i\sin^{6}(\beta)\cos^{6}(\beta)+3i\sin^{6}(\beta)\cos^{6}(\beta)+3i\sin^{6}(\beta)\cos^{6}(\beta)+3i\sin^{6}(\beta)\cos^{6}(\beta)+3i\sin^{6}(\beta)\cos^{6}(\beta)+3i\sin^{6}(\beta)\cos^{6}(\beta)+3i\sin^{6}(\beta)\cos^{6}(\beta)+3i\sin^{6}(\beta)\cos^{6}(\beta)+3i\sin^{6}(\beta)\cos^{6}(\beta)+3i\sin^{6}(\beta)\cos^{6}(\beta)+3i\sin^{6}(\beta)\cos^{6}(\beta)+3i\sin^{6}(\beta)\cos^{6}(\beta)+3i\sin^{6}(\beta)\cos^{6}(\beta)+3i\sin^{6}(\beta)\cos^{6}(\beta)+3i\sin^{6}(\beta)\cos^{6}(\beta)+3i\sin^{6}(\beta)\cos^{6}(\beta)+3i\sin^{6}(\beta)\cos^{6}(\beta)+3i\sin^{6}(\beta)\cos^{6}(\beta)+3i\sin^{6}(\beta)\cos^{6}(\beta)+3i\sin^{6}(\beta)\cos^{6}(\beta)+3i\sin^{6}(\beta)\cos^{6}(\beta)+3i\sin^{6}(\beta)\cos^{6}(\beta)+3i\sin^{6}(\beta)\cos^{6}(\beta)+3i\sin^{6}(\beta)\cos^{6}(\beta)+3i\sin^{6}(\beta)\cos^{6}(\beta)+3i\sin^{6}(\beta)\cos^{6}(\beta)+3i\sin^{6}(\beta)\cos^{6}(\beta)+3i\sin^{6}(\beta)\cos^{6}(\beta)+3i\sin^{6}(\beta)\cos^{6}(\beta)+3i\sin^{6}(\beta)\cos^{6}(\beta)+3i\sin^{6}(\beta)\cos^{6}(\beta)+3i\sin^{6}(\beta)\cos^{6}(\beta)+3i\sin^{6}(\beta)\cos^{6}(\beta)+3i\sin^{6}(\beta)\cos^{6}(\beta)+3i\sin^{6}(\beta)\cos^{6}(\beta)+3i\sin^{6}(\beta)\cos^{6}(\beta)+3i\sin^{6}(\beta)\cos^{6}(\beta)+3i\sin^{6}(\beta)\cos^{6}(\beta)+3i\sin^{6}(\beta)\cos^{6}(\beta)+3i\sin^{6}(\beta)\cos^{6}(\beta)+3i\sin^{6}(\beta)\cos^{6}(\beta)+3i\sin^{6}(\beta)\cos^{6}(\beta)+3i\sin^{6}(\beta)\cos^{6}(\beta)+3i\sin^{6}(\beta)\cos^{6}(\beta)+3i\sin^{6}(\beta)\cos^{6}(\beta)+3i\sin^{6}(\beta)\cos^{6}(\beta)+3i\sin^{6}(\beta)\cos^{6}(\beta)+3i\sin^{6}(\beta)\cos^{6}(\beta)+3i\sin^{6}(\beta)\cos^{6}(\beta)+3i\sin^{6}(\beta)\cos^{6}(\beta)+3i\sin^{6}(\beta)\cos^{6}(\beta)+3i\sin^{6}(\beta)\cos^{6}(\beta)+3i\sin^{6}(\beta)\cos^{6}(\beta)+3i\sin^{6}(\beta)\cos^{6}(\beta)+3i\sin^{6}(\beta)\cos^{6}(\beta)+3i\sin^{6}(\beta)\cos^{6}(\beta)+3i\sin^{6}(\beta)\cos^{6}(\beta)+3i\sin^{6}(\beta)\cos^{6}(\beta)+3i\sin^{6}(\beta)\cos^{6}(\beta)+3i\sin^{6}(\beta)\cos^{6}(\beta)+3i\sin^{6}(\beta)\cos^{6}(\beta)+3i\sin^{6}(\beta)\cos^{6}(\beta)+3i\sin^{6}(\beta)\cos^{6}(\beta)+3i\sin^{6}(\beta)\cos^{6}(\beta)+3i\sin^{6}(\beta)\cos^{6}(\beta)+3i\sin^{6}(\beta)\cos^{6}(\beta)+3i\sin^{6}(\beta)\cos^{6}(\beta)+3i\sin^{6}(\beta)\cos^{6}(\beta)+3i\sin^{6}(\beta)\cos^{6}(\beta)+3i\sin^{6}(\beta)\cos^{6}(\beta)+3i\sin^{6}(\beta)\cos^{6}(\beta)+3i\sin^{6}(\beta)\cos^{6}(\beta)+3i\sin^{6}(\beta)\cos^{6}(\beta)+3i\sin^{6}(\beta)\cos^{6}(\beta)+3i\sin^{6}(\beta)\cos^{6}(\beta)+3i\sin^{6}(\beta)\cos^{6}(\beta)+3i\sin^{6}(\beta)\cos^{6}(\beta)+3i\sin^{6}(\beta)\cos^{6}(\beta)+3i\sin^{6}(\beta)\cos^{6}(\beta)+3i\sin^{6}(\beta)\cos^{6}(\beta)+3i\sin^{6}(\beta)\cos^{6}(\beta)+3i\sin^{6}(\beta)\cos^{6}(\beta)+3i\sin^{6}(\beta)\cos^{6}(\beta)+3i\sin^{6}(\beta)\cos^{6}(\beta)+3i\sin^{6}(\beta)\cos^{6}(\beta)+3i\sin^{6}(\beta)\sin^{6}(\beta)
+8e^{4i\gamma}\cos^{4}(\beta)\left(4i\sin(\beta)\cos^{7}(\beta)-16\sin^{2}(\beta)\cos^{6}(\beta)-28i\sin^{3}(\beta)\cos^{5}(\beta)+2e^{-8i\gamma}\sin^{4}(\beta)\cos^{4}(\beta)+2e^{8i\gamma}\sin^{4}(\beta)\cos^{4}(\beta)\right)
 +44\sin^4(\beta)\cos^4(\beta)+28i\sin^5(\beta)\cos^3(\beta)-16\sin^6(\beta)\cos^2(\beta)-4i\sin^7(\beta)\cos(\beta)+e^{-4i\gamma}\left(-4\sin^2(\beta)\cos^6(\beta)-16i\sin^3(\beta)\cos^5(\beta)\right)
+e^{4i\gamma}(\cos^8(\beta)+4i\sin(\beta)\cos^7(\beta)-8\sin^2(\beta)\cos^6(\beta)-12i\sin^3(\beta)\cos^5(\beta)+6\sin^4(\beta)\cos^4(\beta)+12i\sin^5(\beta)\cos^3(\beta)-8\sin^6(\beta)
+16e^{4i\gamma}\cos^4(\beta)\left(4i\sin(\beta)\cos^7(\beta)-19\sin^2(\beta)\cos^6(\beta)-28i\sin^3(\beta)\cos^5(\beta)+2e^{-8i\gamma}\sin^4(\beta)\cos^4(\beta)+38\sin^4(\beta)\cos^4(\beta)\right)
 +28i\sin^{5}(\beta)\cos^{3}(\beta)-19\sin^{6}(\beta)\cos^{2}(\beta)-4i\sin^{7}(\beta)\cos(\beta)+e^{-4i\gamma}\left(-3\sin^{2}(\beta)\cos^{6}(\beta)-16i\sin^{3}(\beta)\cos^{5}(\beta)+18\sin^{4}(\beta)\cos^{4}(\beta)\cos^{2}(\beta)+16i\sin^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(
+e^{8i\gamma}\left(-\sin^2(\beta)\cos^6(\beta)-\sin^6(\beta)\cos^2(\beta)\right)+e^{4i\gamma}\left(\cos^8(\beta)+4i\sin(\beta)\cos^7(\beta)-5\sin^2(\beta)\cos^6(\beta)-12i\sin^3(\beta)\cos^5(\beta)+12\sin^2(\beta)\cos^2(\beta)\right)
+(16i\cos^3(\beta)\sin^5(\beta)-16i\cos^5(\beta)\sin^3(\beta))(\cos^8(\beta)+6i\sin(\beta)\cos^7(\beta)-16\sin^2(\beta)\cos^6(\beta)-32i\sin^3(\beta)\cos^5(\beta)
 +30\sin^{4}(\beta)\cos^{4}(\beta)+32i\sin^{5}(\beta)\cos^{3}(\beta)-16\sin^{6}(\beta)\cos^{2}(\beta)-6i\sin^{7}(\beta)\cos(\beta)+\sin^{8}(\beta)+e^{-8i\gamma}\left(i\cos^{3}(\beta)\sin^{5}(\beta)-i\cos^{5}(\beta)\sin^{6}(\beta)\cos^{2}(\beta)+32i\sin^{6}(\beta)\cos^{2}(\beta)+32i\sin^{6}(\beta)\cos^{2}(\beta)+32i\sin^{6}(\beta)\cos^{2}(\beta)+32i\sin^{6}(\beta)\cos^{2}(\beta)+32i\sin^{6}(\beta)\cos^{2}(\beta)+32i\sin^{6}(\beta)\cos^{2}(\beta)+32i\sin^{6}(\beta)\cos^{2}(\beta)+32i\sin^{6}(\beta)\cos^{2}(\beta)+32i\sin^{6}(\beta)\cos^{2}(\beta)+32i\sin^{6}(\beta)\cos^{2}(\beta)+32i\sin^{6}(\beta)\cos^{2}(\beta)+32i\sin^{6}(\beta)\cos^{2}(\beta)+32i\sin^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)+32i\sin^{6}(\beta)\cos^{6}(\beta)\sin^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\sin^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6}(\beta)\cos^{6
+e^{8i\gamma}\left(i\cos^{3}(\beta)\sin^{5}(\beta)-i\cos^{5}(\beta)\sin^{3}(\beta)\right)+e^{-4i\gamma}\left(i\sin(\beta)\cos^{7}(\beta)-6\sin^{2}(\beta)\cos^{6}(\beta)-11i\sin^{3}(\beta)\cos^{5}(\beta)+20\sin^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\sin^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4}(\beta)\cos^{4
+e^{4i\gamma}\left(i\sin(\beta)\cos^{7}(\beta)-6\sin^{2}(\beta)\cos^{6}(\beta)-11i\sin^{3}(\beta)\cos^{5}(\beta)+20\sin^{4}(\beta)\cos^{4}(\beta)+11i\sin^{5}(\beta)\cos^{3}(\beta)-6\sin^{6}(\beta)\cos^{2}(\beta)-11i\sin^{3}(\beta)\cos^{5}(\beta)+20\sin^{4}(\beta)\cos^{4}(\beta)+11i\sin^{5}(\beta)\cos^{3}(\beta)-6\sin^{6}(\beta)\cos^{2}(\beta)-11i\sin^{3}(\beta)\cos^{5}(\beta)+20\sin^{4}(\beta)\cos^{4}(\beta)+11i\sin^{5}(\beta)\cos^{3}(\beta)-6\sin^{6}(\beta)\cos^{2}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)\cos^{5}(\beta)+11i\sin^{5}(\beta)+11i\sin^{5}(\beta)+11i\sin^{5}(\beta)+11i\sin^{5}(\beta)+11i\sin^{5}(\beta)+11i\sin^{5}(\beta)
+(16i\cos^3(\beta)\sin^5(\beta)-16i\cos^5(\beta)\sin^3(\beta))(\cos^8(\beta)+4i\sin(\beta)\cos^7(\beta)-12\sin^2(\beta)\cos^6(\beta)-34i\sin^3(\beta)\cos^5(\beta)
+38\sin^{4}(\beta)\cos^{4}(\beta)+34i\sin^{5}(\beta)\cos^{3}(\beta)-12\sin^{6}(\beta)\cos^{2}(\beta)-4i\sin^{7}(\beta)\cos(\beta)+\sin^{8}(\beta)+e^{-8i\gamma}\left(i\cos^{3}(\beta)\sin^{5}(\beta)-i\cos^{5}(\beta)\sin^{2}(\beta)\cos^{2}(\beta)+34i\sin^{2}(\beta)\cos^{2}(\beta)+34i\sin^{2}(\beta)\cos^{2}(\beta)+34i\sin^{2}(\beta)\cos^{2}(\beta)+34i\sin^{2}(\beta)\cos^{2}(\beta)+34i\sin^{2}(\beta)\cos^{2}(\beta)+34i\sin^{2}(\beta)\cos^{2}(\beta)+34i\sin^{2}(\beta)\cos^{2}(\beta)+34i\sin^{2}(\beta)\cos^{2}(\beta)+34i\sin^{2}(\beta)\cos^{2}(\beta)+34i\sin^{2}(\beta)\cos^{2}(\beta)+34i\sin^{2}(\beta)\cos^{2}(\beta)+34i\sin^{2}(\beta)\cos^{2}(\beta)+34i\sin^{2}(\beta)\cos^{2}(\beta)+34i\sin^{2}(\beta)\cos^{2}(\beta)+34i\sin^{2}(\beta)\cos^{2}(\beta)+34i\sin^{2}(\beta)\cos^{2}(\beta)+34i\sin^{2}(\beta)\cos^{2}(\beta)+34i\sin^{2}(\beta)\cos^{2}(\beta)+34i\sin^{2}(\beta)\cos^{2}(\beta)+34i\sin^{2}(\beta)\cos^{2}(\beta)+34i\sin^{2}(\beta)\cos^{2}(\beta)+34i\sin^{2}(\beta)\cos^{2}(\beta)+34i\sin^{2}(\beta)\cos^{2}(\beta)+34i\sin^{2}(\beta)\cos^{2}(\beta)+34i\sin^{2}(\beta)\cos^{2}(\beta)+34i\sin^{2}(\beta)\cos^{2}(\beta)+34i\sin^{2}(\beta)\cos^{2}(\beta)+34i\sin^{2}(\beta)\cos^{2}(\beta)+34i\sin^{2}(\beta)\cos^{2}(\beta)+34i\sin^{2}(\beta)\cos^{2}(\beta)+34i\sin^{2}(\beta)\cos^{2}(\beta)+34i\sin^{2}(\beta)\cos^{2}(\beta)+34i\sin^{2}(\beta)\cos^{2}(\beta)+34i\sin^{2}(\beta)\cos^{2}(\beta)+34i\sin^{2}(\beta)\cos^{2}(\beta)+34i\sin^{2}(\beta)\cos^{2}(\beta)+34i\sin^{2}(\beta)\cos^{2}(\beta)+34i\sin^{2}(\beta)\cos^{2}(\beta)+34i\sin^{2}(\beta)\cos^{2}(\beta)+34i\sin^{2}(\beta)\cos^{2}(\beta)+34i\sin^{2}(\beta)\cos^{2}(\beta)+34i\sin^{2}(\beta)\cos^{2}(\beta)+34i\sin^{2}(\beta)\cos^{2}(\beta)+34i\sin^{2}(\beta)\cos^{2}(\beta)+34i\sin^{2}(\beta)\cos^{2}(\beta)+34i\sin^{2}(\beta)\cos^{2}(\beta)+34i\sin^{2}(\beta)\cos^{2}(\beta)+34i\sin^{2}(\beta)\cos^{2}(\beta)+34i\sin^{2}(\beta)\cos^{2}(\beta)+34i\sin^{2}(\beta)\cos^{2}(\beta)+34i\sin^{2}(\beta)\cos^{2}(\beta)+34i\sin^{2}(\beta)\cos^{2}(\beta)+34i\sin^{2}(\beta)\cos^{2}(\beta)+34i\sin^{2}(\beta)\cos^{2}(\beta)+34i\sin^{2}(\beta)\cos^{2}(\beta)+34i\sin^{2}(\beta)\cos^{2}(\beta)+34i\sin^{2}(\beta)\cos^{2}(\beta)+34i\sin^{2}(\beta)\cos^{2}(\beta)+34i\sin^{2}(\beta)\cos^{2}(\beta)+34i\sin^{2}(\beta)\cos^{2}(\beta)+34i\sin^{2}(\beta)\cos^{2}(\beta)+34i\sin^{2}(\beta)\cos^{2}(\beta)+34i\sin^{2}(\beta)\cos^{2}(\beta)+34i\sin^{2}(\beta)\cos^{2}(\beta)+34i\sin^{2}(\beta)\cos^{2}(\beta)+34i\sin^{2}(\beta)\cos^{2}(\beta)+34i\sin^{2}(\beta)\cos^{2}(\beta)+34i\sin^{2}(\beta)\cos^{2}(\beta)+34i\sin^{2}(\beta)\cos^{2}(\beta)+34i\sin^{2}(\beta)\cos^{2}(\beta)+34i\sin^{2}(\beta)\cos^{2}(\beta)+34i\sin^{2}(\beta)\cos^{2}(\beta)+34i\sin^{2}(\beta)\cos^{2}(\beta)+34i\sin^{2}(\beta)\cos^{2}(\beta)+34i\sin^{2}(\beta)\cos^{2}(\beta)+34i\sin^{2}(\beta)\cos^{2}(\beta)+34i\sin^{2}(\beta)\cos^{2}(\beta)+34i\sin^{2}(\beta)\cos^{2}(\beta)+34i\sin^{2}(\beta)\cos^{2}(\beta)+34i\sin^{2}(\beta)\cos^{2}(\beta)+34i\sin^{2}(\beta)\cos^{2}(\beta)+34i\sin^{2}(\beta)\cos^{2}(\beta)+34i\sin^{2}(\beta)+34i\sin^{2}(\beta)+34i\sin^{2}(\beta)+34i\sin^{2}(\beta)+34i\sin^{2}(\beta)+34i\sin^{2}(\beta)+34i\sin^{2}(\beta)+34i\sin^{2}(\beta)+34i\sin^{2}(\beta)+34i\sin^{2}(\beta)+34i\sin^{2}(\beta)+34i\sin^{2}(\beta)+34i\sin^{2}(\beta)+34i\sin^{2}(\beta)+34i\sin^{2}(\beta)+34i\sin^{2}(\beta)+34i\sin^{2}(\beta)+34i\sin^{2}(\beta)+34i\sin^{2}(\beta)+34i\sin^{2}(\beta)+34i\sin^{2}(\beta)+34i\sin^{2}(\beta)+34i
+e^{8i\gamma}(i\cos^3(\beta)\sin^5(\beta)-i\cos^5(\beta)\sin^3(\beta))+e^{-4i\gamma}(2i\sin(\beta)\cos^7(\beta)-8\sin^2(\beta)\cos^6(\beta)-10i\sin^3(\beta)\cos^5(\beta)+16\sin^4(\beta)\cos^2(\beta)\sin^3(\beta)\sin^3(\beta)\sin^3(\beta)\cos^3(\beta)\sin^3(\beta)\cos^3(\beta)\sin^3(\beta)\cos^3(\beta)\sin^3(\beta)\cos^3(\beta)\sin^3(\beta)\cos^3(\beta)\sin^3(\beta)\cos^3(\beta)\sin^3(\beta)\cos^3(\beta)\cos^3(\beta)\sin^3(\beta)\cos^3(\beta)\cos^3(\beta)\sin^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^3(\beta)\cos^
+e^{4i\gamma} \left(2i\sin(\beta)\cos^{7}(\beta)-8\sin^{2}(\beta)\cos^{6}(\beta)-10i\sin^{3}(\beta)\cos^{5}(\beta)+16\sin^{4}(\beta)\cos^{4}(\beta)+10i\sin^{5}(\beta)\cos^{3}(\beta)-8\sin^{6}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)\cos^{2}(\beta)+10i\sin^{2}(\beta)+10i\sin^{2}(\beta)+10i\sin^{2}(\beta)+10i\sin^{2}(\beta)+10i\sin^{2}(\beta)+10i\sin^{2}(\beta)+10i\sin^{2}(\beta)+10i\sin^{2}(\beta)+10i\sin^{2}(\beta)+10i\sin^{2}(\beta)+10i
+(-8\sin^2(\beta)\cos^6(\beta)-8\sin^6(\beta)\cos^2(\beta))(\cos^8(\beta)+4i\sin(\beta)\cos^7(\beta)-15\sin^2(\beta)\cos^6(\beta)-28i\sin^3(\beta)\cos^5(\beta)+2e^{8i\gamma}\sin^4(\beta)\cos^2(\beta)
 +44\sin^4(\beta)\cos^4(\beta)+28i\sin^5(\beta)\cos^3(\beta)-15\sin^6(\beta)\cos^2(\beta)-4i\sin^7(\beta)\cos(\beta)+\sin^8(\beta)+e^{-8i\gamma}\left(-\sin^2(\beta)\cos^6(\beta)-\sin^6(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\sin^2(\beta)\cos^2(\beta)+\sin^2(\beta)\cos^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)\sin^2(\beta)
+e^{4i\gamma}(2i\sin(\beta)\cos^{7}(\beta)-7\sin^{2}(\beta)\cos^{6}(\beta)-14i\sin^{3}(\beta)\cos^{5}(\beta)+10\sin^{4}(\beta)\cos^{4}(\beta)+14i\sin^{5}(\beta)\cos^{3}(\beta)-7\sin^{6}(\beta)\cos^{2}(\beta)
 +e^{-4i\gamma}(2i\sin(\beta)\cos^{7}(\beta)-5\sin^{2}(\beta)\cos^{6}(\beta)-14i\sin^{3}(\beta)\cos^{5}(\beta)+14\sin^{4}(\beta)\cos^{4}(\beta)+14i\sin^{5}(\beta)\cos^{3}(\beta)-5\sin^{6}(\beta)\cos^{2}(\beta)
 +(-4\sin^2(\beta)\cos^6(\beta)-4\sin^6(\beta)\cos^2(\beta))(\cos^8(\beta)+4i\sin(\beta)\cos^7(\beta)-18\sin^2(\beta)\cos^6(\beta)-28i\sin^3(\beta)\cos^5(\beta)+38\sin^4(\beta)\cos^2(\beta)
+28 i \sin ^5(\beta) \cos ^3(\beta)-18 \sin ^6(\beta) \cos ^2(\beta)-4 i \sin ^7(\beta) \cos (\beta)+\sin ^8(\beta)+e^{-8 i \gamma} \left(-\sin ^2(\beta) \cos ^6(\beta)-\sin ^6(\beta) \cos ^2(\beta)\right)
+e^{8i\gamma}\left(-\sin^2(\beta)\cos^6(\beta)-\sin^6(\beta)\cos^2(\beta)\right)+e^{-4i\gamma}\left(2i\sin(\beta)\cos^7(\beta)-4\sin^2(\beta)\cos^6(\beta)-14i\sin^3(\beta)\cos^5(\beta)+16\sin^4(\beta)\cos^2(\beta)\right)
+e^{4i\gamma}(2i\sin(\beta)\cos^{7}(\beta)-4\sin^{2}(\beta)\cos^{6}(\beta)-14i\sin^{3}(\beta)\cos^{5}(\beta)+16\sin^{4}(\beta)\cos^{4}(\beta)+14i\sin^{5}(\beta)\cos^{3}(\beta)-4\sin^{6}(\beta)\cos^{2}(\beta)
+(-8\sin^2(\beta)\cos^6(\beta)-8\sin^6(\beta)\cos^2(\beta))(\cos^8(\beta)+2i\sin(\beta)\cos^7(\beta)-14\sin^2(\beta)\cos^6(\beta)-30i\sin^3(\beta)\cos^5(\beta)+46\sin^4(\beta)\cos^2(\beta)\cos^2(\beta)
+30i\sin^{5}(\beta)\cos^{3}(\beta)-14\sin^{6}(\beta)\cos^{2}(\beta)-2i\sin^{7}(\beta)\cos(\beta)+\sin^{8}(\beta)+e^{-8i\gamma}\left(-\sin^{2}(\beta)\cos^{6}(\beta)-\sin^{6}(\beta)\cos^{2}(\beta)\right)
+e^{8i\gamma}\left(-\sin^{2}(\beta)\cos^{6}(\beta)-\sin^{6}(\beta)\cos^{2}(\beta)\right)+e^{-4i\gamma}\left(3i\sin(\beta)\cos^{7}(\beta)-6\sin^{2}(\beta)\cos^{6}(\beta)-13i\sin^{3}(\beta)\cos^{5}(\beta)+12\sin^{4}(\beta)\cos^{6}(\beta)\right)+e^{-4i\gamma}\left(3i\sin(\beta)\cos^{7}(\beta)-6\sin^{2}(\beta)\cos^{6}(\beta)-13i\sin^{3}(\beta)\cos^{5}(\beta)+12\sin^{4}(\beta)\cos^{6}(\beta)\right)+e^{-4i\gamma}\left(3i\sin(\beta)\cos^{7}(\beta)-6\sin^{2}(\beta)\cos^{6}(\beta)-13i\sin^{3}(\beta)\cos^{5}(\beta)+12\sin^{4}(\beta)\cos^{6}(\beta)\right)+e^{-4i\gamma}\left(3i\sin(\beta)\cos^{7}(\beta)-6\sin^{2}(\beta)\cos^{6}(\beta)-13i\sin^{3}(\beta)\cos^{5}(\beta)+12\sin^{4}(\beta)\cos^{6}(\beta)\right)+e^{-4i\gamma}\left(3i\sin(\beta)\cos^{7}(\beta)-6\sin^{2}(\beta)\cos^{6}(\beta)-13i\sin^{3}(\beta)\cos^{5}(\beta)+12\sin^{4}(\beta)\cos^{6}(\beta)\right)+e^{-4i\gamma}\left(3i\sin(\beta)\cos^{7}(\beta)-6\sin^{4}(\beta)\cos^{6}(\beta)-13i\sin^{4}(\beta)\cos^{5}(\beta)+12\sin^{4}(\beta)\cos^{6}(\beta)\right)+e^{-4i\gamma}\left(3i\sin(\beta)\cos^{7}(\beta)-6\sin^{4}(\beta)\cos^{6}(\beta)-13i\sin^{4}(\beta)\cos^{5}(\beta)+12\sin^{4}(\beta)\cos^{6}(\beta)\right)+e^{-4i\gamma}\left(3i\sin(\beta)\cos^{7}(\beta)-6\sin^{4}(\beta)\cos^{6}(\beta)-13i\sin^{4}(\beta)\cos^{5}(\beta)+12\sin^{4}(\beta)\cos^{6}(\beta)\right)+e^{-4i\gamma}\left(3i\sin(\beta)\cos^{6}(\beta)-13i\sin^{4}(\beta)\cos^{6}(\beta)+12\sin^{4}(\beta)\cos^{6}(\beta)\right)+e^{-4i\gamma}\left(3i\sin(\beta)\cos^{6}(\beta)-3i\sin^{4}(\beta)\cos^{6}(\beta)\right)+e^{-4i\gamma}\left(3i\sin(\beta)\cos^{6}(\beta)-3i\sin^{4}(\beta)\cos^{6}(\beta)\right)+e^{-4i\gamma}\left(3i\sin(\beta)\cos^{6}(\beta)-3i\sin^{4}(\beta)\cos^{6}(\beta)\right)+e^{-4i\gamma}\left(3i\sin(\beta)\cos^{6}(\beta)-3i\sin^{4}(\beta)\cos^{6}(\beta)\right)+e^{-4i\gamma}\left(3i\sin(\beta)\cos^{6}(\beta)-3i\sin^{6}(\beta)\cos^{6}(\beta)\right)+e^{-4i\gamma}\left(3i\sin(\beta)\cos^{6}(\beta)-3i\sin^{6}(\beta)\cos^{6}(\beta)\right)+e^{-4i\gamma}\left(3i\sin(\beta)\cos^{6}(\beta)-3i\sin^{6}(\beta)\cos^{6}(\beta)\right)+e^{-4i\gamma}\left(3i\sin(\beta)\cos^{6}(\beta)-3i\sin^{6}(\beta)\cos^{6}(\beta)\right)+e^{-4i\gamma}\left(3i\sin(\beta)\cos^{6}(\beta)-3i\sin^{6}(\beta)\cos^{6}(\beta)\right)+e^{-4i\gamma}\left(3i\sin(\beta)\cos^{6}(\beta)-3i\sin^{6}(\beta)\cos^{6}(\beta)\right)+e^{-4i\gamma}\left(3i\sin(\beta)\cos^{6}(\beta)-3i\sin^{6}(\beta)\cos^{6}(\beta)\right)+e^{-4i\gamma}\left(3i\sin(\beta)\cos^{6}(\beta)-3i\sin^{6}(\beta)\cos^{6}(\beta)\right)+e^{-4i\gamma}\left(3i\sin(\beta)\cos^{6}(\beta)-3i\sin^{6}(\beta)\cos^{6}(\beta)\right)+e^{-4i\gamma}\left(3i\sin(\beta)\cos^{6}(\beta)-3i\sin^{6}(\beta)\cos^{6}(\beta)\right)+e^{-4i\gamma}\left(3i\sin(\beta)\cos^{6}(\beta)-3i\sin^{6}(\beta)\cos^{6}(\beta)\right)+e^{-4i\gamma}\left(3i\sin(\beta)\cos^{6}(\beta)-3i\sin^{6}(\beta)\cos^{6}(\beta)\right)+e^{-4i\gamma}\left(3i\sin(\beta)\cos^{6}(\beta)-3i\sin^{6}(\beta)\cos^{6}(\beta)\right)+e^{-4i\gamma}\left(3i\sin(\beta)\cos^{6}(\beta)-3i\sin^{6}(\beta)\cos^{6}(\beta)\right)+e^{-4i\gamma}\left(3i\sin(\beta)\cos^{6}(\beta)-3i\sin^{6}(\beta)\cos^{6}(\beta)\right)+e^{-4i\gamma}\left(3i\sin(\beta)\cos^{6}(\beta)-3i\sin^{6}(\beta)\cos^{6}(\beta)\right)+e^{-4i\gamma}\left(3i\sin(\beta)\cos^{6}(\beta)-3i\sin^{6}(\beta)\cos^{6}(\beta)\right)+e^{-4i\gamma}\left(3i\sin(\beta)\cos^{6}(\beta)-3i\sin^{6}(\beta)\cos^{6}(\beta)\right)+e^{-4i\gamma}\left(3i\sin(\beta)\cos^{6}(\beta)-3i\sin^{6}(\beta)\cos^{6}(\beta)\right)+e^{-4i\gamma}\left(3i\sin(\beta)\cos^{6}(\beta)-3i\sin^{6}(\beta)\cos^{6}(\beta)\right)+e^{-4i\gamma}\left(3i\sin(\beta)\cos^{6}(\beta)-3i\sin^{6}(\beta)\cos^{6}(\beta)\right)+e^{-4i\gamma}\left(3i\sin(\beta)\cos^{6}(\beta)-3i\sin^{6}(\beta)\cos^{6}(\beta)\right)+e^{-4i\gamma}\left(3i\sin(\beta)\cos^{6}(\beta)\right)+e^{-4i\gamma}\left(3i\sin(\beta)\cos^{6}(\beta)\right)+e^{-4i\gamma}\left
+e^{4i\gamma}(3i\sin(\beta)\cos^7(\beta)-6\sin^2(\beta)\cos^6(\beta)-13i\sin^3(\beta)\cos^5(\beta)+12\sin^4(\beta)\cos^4(\beta)+13i\sin^5(\beta)\cos^3(\beta)-6\sin^6(\beta)\cos^2(\beta)-13i\sin^3(\beta)\cos^5(\beta)+12\sin^4(\beta)\cos^4(\beta)+13i\sin^5(\beta)\cos^3(\beta)-6\sin^6(\beta)\cos^6(\beta)
 +e^{-8i\gamma}\left(\cos^{8}(\beta)+\sin^{8}(\beta)\right)\left(-20\sin^{2}(\beta)\cos^{6}(\beta)-32i\sin^{3}(\beta)\cos^{5}(\beta)+2e^{8i\gamma}\sin^{4}(\beta)\cos^{4}(\beta)+36\sin^{4}(\beta)\cos^{4}(\beta)\right)
 +32i\sin^{5}(\beta)\cos^{3}(\beta)-20\sin^{6}(\beta)\cos^{2}(\beta)+e^{4i\gamma}\left(-16i\sin^{3}(\beta)\cos^{5}(\beta)+24\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{5}(\beta)\cos^{3}(\beta)\right)+e^{-4i\gamma}\left(8i\sin^{5}(\beta)\cos^{5}(\beta)+24\sin^{4}(\beta)\cos^{4}(\beta)+16i\sin^{5}(\beta)\cos^{3}(\beta)\right)
 +e^{-8i\gamma}(\cos^8(\beta)+\sin^8(\beta)))+e^{-4i\gamma}(8i\cos^7(\beta)\sin(\beta)-8i\cos(\beta)\sin^7(\beta))(5i\sin(\beta)\cos^7(\beta)-12\sin^2(\beta)\cos^6(\beta))
   -33i\sin^{3}(\beta)\cos^{5}(\beta)+40\sin^{4}(\beta)\cos^{4}(\beta)+33i\sin^{5}(\beta)\cos^{3}(\beta)-12\sin^{6}(\beta)\cos^{2}(\beta)-5i\sin^{7}(\beta)\cos(\beta)+e^{8i\gamma}\left(i\cos^{3}(\beta)\sin^{5}(\beta)\cos^{2}(\beta)+3i\sin^{4}(\beta)\cos^{2}(\beta)+3i\sin^{5}(\beta)\cos^{2}(\beta)+3i\sin^{5}(\beta)\cos^{2}(\beta)+3i\sin^{5}(\beta)\cos^{2}(\beta)+3i\sin^{5}(\beta)\cos^{2}(\beta)+3i\sin^{5}(\beta)\cos^{2}(\beta)+3i\sin^{5}(\beta)\cos^{2}(\beta)+3i\sin^{5}(\beta)\cos^{2}(\beta)+3i\sin^{5}(\beta)\cos^{2}(\beta)+3i\sin^{5}(\beta)\cos^{2}(\beta)+3i\sin^{5}(\beta)\cos^{2}(\beta)+3i\sin^{5}(\beta)\cos^{2}(\beta)+3i\sin^{5}(\beta)\cos^{2}(\beta)+3i\sin^{5}(\beta)\cos^{2}(\beta)+3i\sin^{5}(\beta)\cos^{2}(\beta)+3i\sin^{5}(\beta)\cos^{2}(\beta)+3i\sin^{5}(\beta)\cos^{2}(\beta)+3i\sin^{5}(\beta)\cos^{2}(\beta)+3i\sin^{5}(\beta)\cos^{2}(\beta)+3i\sin^{5}(\beta)\cos^{5}(\beta)+3i\sin^{5}(\beta)\cos^{5}(\beta)+3i\sin^{5}(\beta)\cos^{5}(\beta)+3i\sin^{5}(\beta)\cos^{5}(\beta)+3i\sin^{5}(\beta)\cos^{5}(\beta)+3i\sin^{5}(\beta)\cos^{5}(\beta)+3i\sin^{5}(\beta)\cos^{5}(\beta)+3i\sin^{5}(\beta)\cos^{5}(\beta)+3i\sin^{5}(\beta)\cos^{5}(\beta)+3i\sin^{5}(\beta)\cos^{5}(\beta)+3i\sin^{5}(\beta)\cos^{5}(\beta)+3i\sin^{5}(\beta)\cos^{5}(\beta)+3i\sin^{5}(\beta)\cos^{5}(\beta)+3i\sin^{5}(\beta)\cos^{5}(\beta)+3i\sin^{5}(\beta)\cos^{5}(\beta)+3i\sin^{5}(\beta)\cos^{5}(\beta)+3i\sin^{5}(\beta)\cos^{5}(\beta)+3i\sin^{5}(\beta)\cos^{5}(\beta)+3i\sin^{5}(\beta)\cos^{5}(\beta)+3i\sin^{5}(\beta)\cos^{5}(\beta)+3i\sin^{5}(\beta)\cos^{5}(\beta)+3i\sin^{5}(\beta)\cos^{5}(\beta)+3i\sin^{5}(\beta)\cos^{5}(\beta)+3i\sin^{5}(\beta)\cos^{5}(\beta)+3i\sin^{5}(\beta)\cos^{5}(\beta)+3i\sin^{5}(\beta)\cos^{5}(\beta)+3i\sin^{5}(\beta)\cos^{5}(\beta)+3i\sin^{5}(\beta)\cos^{5}(\beta)+3i\sin^{5}(\beta)\cos^{5}(\beta)+3i\sin^{5}(\beta)\cos^{5}(\beta)+3i\sin^{5}(\beta)\cos^{5}(\beta)+3i\sin^{5}(\beta)\cos^{5}(\beta)+3i\sin^{5}(\beta)\cos^{5}(\beta)+3i\sin^{5}(\beta)\cos^{5}(\beta)+3i\sin^{5}(\beta)\cos^{5}(\beta)+3i\sin^{5}(\beta)\cos^{5}(\beta)+3i\sin^{5}(\beta)\cos^{5}(\beta)+3i\sin^{5}(\beta)\cos^{5}(\beta)+3i\sin^{5}(\beta)\cos^{5}(\beta)+3i\sin^{5}(\beta)\cos^{5}(\beta)+3i\sin^{5}(\beta)\cos^{5}(\beta)+3i\sin^{5}(\beta)\cos^{5}(\beta)+3i\sin^{5}(\beta)\cos^{5}(\beta)+3i\sin^{5}(\beta)\cos^{5}(\beta)+3i\sin^{5}(\beta)\cos^{5}(\beta)+3i\sin^{5}(\beta)\cos^{5}(\beta)+3i\sin^{5}(\beta)\cos^{5}(\beta)+3i\sin^{5}(\beta)\cos^{5}(\beta)+3i\sin^{5}(\beta)\cos^{5}(\beta)+3i\sin^{5}(\beta)\cos^{5}(\beta)+3i\sin^{5}(\beta)\cos^{5}(\beta)+3i\sin^{5}(\beta)\cos^{5}(\beta)+3i\sin^{5}(\beta)\cos^{5}(\beta)+3i\sin^{5}(\beta)\cos^{5}(\beta)+3i\sin^{5}(\beta)\cos^{5}(\beta)\cos^{5}(\beta)+3i\sin^{5}(\beta)\cos^{5}(\beta)\cos^{5}(\beta)\cos^{5}(\beta)\cos^{5}(\beta)\cos^{5}(\beta)\cos^{5}(\beta)\cos^{5}(\beta)\cos^{5}(\beta)\cos^{5}(\beta)\cos^{5}(\beta)\cos^{5}(\beta)\cos^{5}(\beta)\cos^{5}(\beta)\cos^{5}(\beta)\cos^{5}(\beta)\cos^{5}(\beta)\cos^{5}(\beta)\cos^{5}(\beta)\cos^{5}(\beta)\cos^{5}(\beta)\cos^{5}(\beta)\cos^{5}(\beta)\cos^{5}(\beta)\cos^{5}(\beta)\cos^{5}(\beta)\cos^{5}(\beta)\cos^{5}(\beta)\cos^{5}(\beta)\cos^{5}(\beta)\cos^{5}(\beta)\cos^{5}(\beta)\cos^{5}(\beta)\cos^{5}(\beta)\cos^{5}(\beta)\cos^{5}(\beta)\cos^{5}(\beta)\cos^{5}(\beta)\cos^{5}(\beta)\cos^{5}(\beta)\cos^{5}(\beta)\cos^{5}(\beta)\cos^{5}(\beta)\cos^{5}(\beta)\cos^{5}(\beta)\cos^{5}(\beta)\cos^{5}(\beta)\cos^{5}(\beta)\cos^{5}(\beta)\cos^{5}(\beta)\cos^{5}(\beta)\cos^{5}(\beta)\cos^{5}(\beta)\cos^{5}(\beta)\cos^{5}(\beta)\cos^{5}(\beta)\cos^{5}(\beta)\cos^{5}(\beta)\cos^{5}(\beta)\cos^{5}(\beta)\cos^{5}(\beta)\cos^{5}(\beta)\cos^{
 +e^{4i\gamma}\left(-6\sin^2(\beta)\cos^6(\beta)-12i\sin^3(\beta)\cos^5(\beta)+20\sin^4(\beta)\cos^4(\beta)+12i\sin^5(\beta)\cos^3(\beta)-6\sin^6(\beta)\cos^2(\beta)\right)+e^{-8i\gamma}\left(i\cos^7(\beta)\cos^4(\beta)+2\sin^4(\beta)\cos^4(\beta)\cos^4(\beta)+2\sin^4(\beta)\cos^4(\beta)\cos^4(\beta)+3\sin^4(\beta)\cos^4(\beta)\cos^4(\beta)\right)
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 $+e^{-4i\gamma}\left(\cos^{8}(\beta)+2i\sin(\beta)\cos^{7}(\beta)-10\sin^{2}(\beta)\cos^{6}(\beta)-10i\sin^{3}(\beta)\cos^{5}(\beta)+10\sin^{4}(\beta)\cos^{4}(\beta)+10i\sin^{5}(\beta)\cos^{3}(\beta)-10\sin^{4}(\beta)\cos^{4}(\beta)+10i\sin^{5}(\beta)\cos^{3}(\beta)-10\sin^{4}(\beta)\cos^{5}(\beta)+10i\sin^{5}(\beta)\cos^{5}(\beta)\sin^{5}(\beta)\sin^{5}(\beta)\sin^$