Lines -1 round

4v4

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

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

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

p = 0.46304480643500107

4v3 1

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

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

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

p = 0.36126578875056486

4v2 1 1

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

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

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

p = 0.3612657887505645

4v2 2

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

p = 0.321339375126532

4v1 1 1 1

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

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

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

p = 0.4630448064350012

4v1 2 1

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

p = 0.321339375126532