In[ ]:=
```
Clear["Global`*"];
```

0. Readme

1. The below derivations of the Vxxx, Vxxy, Vxyz, Vyyx, Vyyy, Vzzx, and Vzzy of a tesseroid are based on Eqs. (A.11), (A.12), (A.14), (A.15), (A.16), (A.18) and (A.19) of Deng and Shen (2019) SGG, where $\lambda 3$, $\theta 3$, and r3 represent λ', θ', and r' of the integration point.
2. VxxxSphericalZonalBand, VxxySphericalZonalBand, VxyzSphericalZonalBand, VyyxSphericalZonalBand, VyyySphericalZonalBand, VzzxSphericalZonalBand, and VzzySphericalZonalBand are the Vxxx, Vxxy, Vxyz, Vyyx, Vyyy, Vzzx, and Vzzy of a spherical zonal band, which are equal to zero.
3. VxxxSphericalShell, VxxySphericalShell, VxyzSphericalShell, VyyxSphericalShell, VyyySphericalShell, VzzxSphericalShell, and VzzySphericalShell are the Vxxx, Vxxy, Vxyz, Vyyx, Vyyy, Vzzx, and Vzzy of a spherical shell, where VxyzSphericalShell, VzzxSphericalShell, and VzzySphericalShell equal to zero.
4. Regarding VxxxSphericalShell, VxxySphericalShell, VyyxSphericalShell, and VyyySphericalShell, their results are Indeterminate, i.e., 0 ComplexInfinity encountered. Actually, they are equal to zero, i.e., zero multiplied by infinity equals zero.

In[ ]:=
```
φ = Pi / 2;(*φ=Pi/2-θ, θ=0*)
```

In[ ]:=
```
φ3 = Pi / 2 - θ3;
```

In[ ]:=
```
cosPhi = Sin[φ] * Sin[φ3] + Cos[φ] * Cos[φ3] * Cos[λ3 - λ]
```

Out[ ]=

Cos[θ3]

In[ ]:=
```
Δx = r3 * (Cos[φ] * Sin[φ3] - Sin[φ] * Cos[φ3] * Cos[λ3 - λ])
```

Out[ ]=

-r3 Cos[λ - λ3] Sin[θ3]

In[ ]:=
```
Δy = r3 * Cos[φ3] * Sin[λ3 - λ]
```

Out[ ]=

-r3 Sin[θ3] Sin[λ - λ3]

In[ ]:=
```
Δz = r3 * cosPhi - r
```

Out[ ]=

-r + r3 Cos[θ3]

1. Vxxx

In[ ]:=

$$\text{FullSimplify}\left[\int r3^2\,\text{Sin}[\theta 3]\left(\frac{15*(-r3\,\text{Cos}[\lambda-\lambda 3]\,\text{Sin}[\theta 3])^3}{\left(\sqrt{r^2+r3^2-2*r*r3*\text{Cos}[\theta 3]}\right)^7}-\frac{9*(-r3\,\text{Cos}[\lambda-\lambda 3]\,\text{Sin}[\theta 3])}{\left(\sqrt{r^2+r3^2-2*r*r3*\text{Cos}[\theta 3]}\right)^5}\right)d\lambda 3\right]$$

Out[ ]=

$$\left(r3^3\,\text{Sin}[\theta 3]^2\left(-18\left(r^2+r3^2\right)+36\,r\,r3\,\text{Cos}[\theta 3]+5\,r3^2\left(5+\text{Cos}[2\,(\lambda-\lambda 3)]\right)\text{Sin}[\theta 3]^2\right)\text{Sin}[\lambda-\lambda 3]\right)\Big/\left(2\left(r^2+r3^2-2\,r\,r3\,\text{Cos}[\theta 3]\right)^{7/2}\right)$$

In[ ]:=
```
Vxxxλ3[λ3_] :=
  (r3^3 Sin[θ3]^2 (-18 (r^2 + r3^2) + 36 r r3 Cos[θ3] + 5 r3^2 (5 + Cos[2 (λ - λ3)]) Sin[θ3]^2)
     Sin[λ - λ3]) / (2 (r^2 + r3^2 - 2 r r3 Cos[θ3])^(7/2))
```

In[ ]:=
```
FullSimplify[Vxxxλ3[λ2] - Vxxxλ3[λ1]]
```

Out[ ]=

$$\frac{1}{2\left(r^2+r3^2-2\,r\,r3\,\mathrm{Cos}[\theta 3]\right)^{7/2}}\,r3^3\,\mathrm{Sin}[\theta 3]^2$$
$$\Big(\left(18\left(r^2+r3^2-2\,r\,r3\,\mathrm{Cos}[\theta 3]\right)-5\,r3^2\left(5+\mathrm{Cos}[2\,(\lambda-\lambda 1)]\right)\mathrm{Sin}[\theta 3]^2\right)\mathrm{Sin}[\lambda-\lambda 1]+$$
$$\left(-18\left(r^2+r3^2\right)+36\,r\,r3\,\mathrm{Cos}[\theta 3]+5\,r3^2\left(5+\mathrm{Cos}[2\,(\lambda-\lambda 2)]\right)\mathrm{Sin}[\theta 3]^2\right)\mathrm{Sin}[\lambda-\lambda 2]\Big)$$

In[ ]:=

$$\mathrm{FullSimplify}\Big[\int\Big(\frac{1}{2\left(r^2+r3^2-2\,r\,r3\,\mathrm{Cos}[\theta 3]\right)^{7/2}}\,r3^3\,\mathrm{Sin}[\theta 3]^2$$
$$\Big(\left(18\left(r^2+r3^2-2\,r\,r3\,\mathrm{Cos}[\theta 3]\right)-5\,r3^2\left(5+\mathrm{Cos}[2\,(\lambda-\lambda 1)]\right)\mathrm{Sin}[\theta 3]^2\right)\mathrm{Sin}[\lambda-\lambda 1]+$$
$$\left(-18\left(r^2+r3^2\right)+36\,r\,r3\,\mathrm{Cos}[\theta 3]+5\,r3^2\left(5+\mathrm{Cos}[2\,(\lambda-\lambda 2)]\right)\mathrm{Sin}[\theta 3]^2\right)$$
$$\mathrm{Sin}[\lambda-\lambda 2]\Big)\Big)\,dr3\Big]$$

Out[ ]=

$$\frac{1}{96\,r\left(r^2+r3^2-2\,r\,r3\,\mathrm{Cos}[\theta 3]\right)^{5/2}}$$
$$\mathrm{Csc}[\theta 3]^2\Big(216\,r3^4\left(r-r3\,\mathrm{Cos}[\theta 3]\right)\mathrm{Cos}[\lambda 1]\,\mathrm{Sin}[\theta 3]^4\,\mathrm{Sin}[\lambda]+$$
$$216\,r3^4\left(-r+r3\,\mathrm{Cos}[\theta 3]\right)\mathrm{Cos}[\lambda 2]\,\mathrm{Sin}[\theta 3]^4\,\mathrm{Sin}[\lambda]+$$
$$\left(r-r3\,\mathrm{Cos}[\theta 3]\right)\Big(64\,r^4+272\,r^2\,r3^2+89\,r3^4-16\,r\,r3\left(16\,r^2+17\,r3^2\right)\mathrm{Cos}[\theta 3]-$$
$$28\,r3^2\left(-4\,r^2+r3^2\right)\mathrm{Cos}[2\,\theta 3]+16\,r\,r3^3\,\mathrm{Cos}[3\,\theta 3]+3\,r3^4\,\mathrm{Cos}[4\,\theta 3]\Big)$$
$$\mathrm{Cos}[\lambda 1]\left(-1+2\,\mathrm{Cos}[2\,\lambda 1]\right)\mathrm{Sin}[3\,\lambda]+\left(-r+r3\,\mathrm{Cos}[\theta 3]\right)$$
$$\Big(64\,r^4+272\,r^2\,r3^2+89\,r3^4-16\,r\,r3\left(16\,r^2+17\,r3^2\right)\mathrm{Cos}[\theta 3]-$$
$$28\,r3^2\left(-4\,r^2+r3^2\right)\mathrm{Cos}[2\,\theta 3]+16\,r\,r3^3\,\mathrm{Cos}[3\,\theta 3]+3\,r3^4\,\mathrm{Cos}[4\,\theta 3]\Big)\,\mathrm{Cos}[\lambda 2]$$
$$\left(-1+2\,\mathrm{Cos}[2\,\lambda 2]\right)\mathrm{Sin}[3\,\lambda]+216\,r3^4\left(-r+r3\,\mathrm{Cos}[\theta 3]\right)\mathrm{Cos}[\lambda]\,\mathrm{Sin}[\theta 3]^4\,\mathrm{Sin}[\lambda 1]+$$
$$\left(-r+r3\,\mathrm{Cos}[\theta 3]\right)\Big(64\,r^4+272\,r^2\,r3^2+89\,r3^4-16\,r\,r3\left(16\,r^2+17\,r3^2\right)\mathrm{Cos}[\theta 3]-$$
$$28\,r3^2\left(-4\,r^2+r3^2\right)\mathrm{Cos}[2\,\theta 3]+16\,r\,r3^3\,\mathrm{Cos}[3\,\theta 3]+3\,r3^4\,\mathrm{Cos}[4\,\theta 3]\Big)\,\mathrm{Cos}[\lambda]$$
$$\left(-1+2\,\mathrm{Cos}[2\,\lambda]\right)\mathrm{Sin}[3\,\lambda 1]+216\,r3^4\left(r-r3\,\mathrm{Cos}[\theta 3]\right)\mathrm{Cos}[\lambda]\,\mathrm{Sin}[\theta 3]^4\,\mathrm{Sin}[\lambda 2]+$$
$$\left(r-r3\,\mathrm{Cos}[\theta 3]\right)\Big(64\,r^4+272\,r^2\,r3^2+89\,r3^4-16\,r\,r3\left(16\,r^2+17\,r3^2\right)\mathrm{Cos}[\theta 3]-$$
$$28\,r3^2\left(-4\,r^2+r3^2\right)\mathrm{Cos}[2\,\theta 3]+16\,r\,r3^3\,\mathrm{Cos}[3\,\theta 3]+3\,r3^4\,\mathrm{Cos}[4\,\theta 3]\Big)$$
$$\mathrm{Cos}[\lambda]\left(-1+2\,\mathrm{Cos}[2\,\lambda]\right)\mathrm{Sin}[3\,\lambda 2]\Big)$$

In[ ]:=
$$\text{Vxxxr3[r3_]} := \frac{1}{96\, r \left(r^2 + r3^2 - 2\, r\, r3\, \text{Cos}[\theta 3]\right)^{5/2}}$$
$$\text{Csc}[\theta 3]^2 \Big(216\, r3^4\, (r - r3\, \text{Cos}[\theta 3])\, \text{Cos}[\lambda 1]\, \text{Sin}[\theta 3]^4\, \text{Sin}[\lambda] +$$
$$216\, r3^4\, (-r + r3\, \text{Cos}[\theta 3])\, \text{Cos}[\lambda 2]\, \text{Sin}[\theta 3]^4\, \text{Sin}[\lambda] +$$
$$(r - r3\, \text{Cos}[\theta 3])\, \Big(64\, r^4 + 272\, r^2\, r3^2 + 89\, r3^4 - 16\, r\, r3\, \left(16\, r^2 + 17\, r3^2\right) \text{Cos}[\theta 3] -$$
$$28\, r3^2\, \left(-4\, r^2 + r3^2\right) \text{Cos}[2\, \theta 3] + 16\, r\, r3^3\, \text{Cos}[3\, \theta 3] + 3\, r3^4\, \text{Cos}[4\, \theta 3]\Big)$$
$$\text{Cos}[\lambda 1]\, (-1 + 2\, \text{Cos}[2\, \lambda 1])\, \text{Sin}[3\, \lambda] + (-r + r3\, \text{Cos}[\theta 3])$$
$$\Big(64\, r^4 + 272\, r^2\, r3^2 + 89\, r3^4 - 16\, r\, r3\, \left(16\, r^2 + 17\, r3^2\right) \text{Cos}[\theta 3] -$$
$$28\, r3^2\, \left(-4\, r^2 + r3^2\right) \text{Cos}[2\, \theta 3] + 16\, r\, r3^3\, \text{Cos}[3\, \theta 3] + 3\, r3^4\, \text{Cos}[4\, \theta 3]\Big)\, \text{Cos}[\lambda 2]$$
$$(-1 + 2\, \text{Cos}[2\, \lambda 2])\, \text{Sin}[3\, \lambda] + 216\, r3^4\, (-r + r3\, \text{Cos}[\theta 3])\, \text{Cos}[\lambda]\, \text{Sin}[\theta 3]^4\, \text{Sin}[\lambda 1] +$$
$$(-r + r3\, \text{Cos}[\theta 3])\, \Big(64\, r^4 + 272\, r^2\, r3^2 + 89\, r3^4 - 16\, r\, r3\, \left(16\, r^2 + 17\, r3^2\right) \text{Cos}[\theta 3] -$$
$$28\, r3^2\, \left(-4\, r^2 + r3^2\right) \text{Cos}[2\, \theta 3] + 16\, r\, r3^3\, \text{Cos}[3\, \theta 3] + 3\, r3^4\, \text{Cos}[4\, \theta 3]\Big)\, \text{Cos}[\lambda]$$
$$(-1 + 2\, \text{Cos}[2\, \lambda])\, \text{Sin}[3\, \lambda 1] + 216\, r3^4\, (r - r3\, \text{Cos}[\theta 3])\, \text{Cos}[\lambda]\, \text{Sin}[\theta 3]^4\, \text{Sin}[\lambda 2] +$$
$$(r - r3\, \text{Cos}[\theta 3])\, \Big(64\, r^4 + 272\, r^2\, r3^2 + 89\, r3^4 - 16\, r\, r3\, \left(16\, r^2 + 17\, r3^2\right) \text{Cos}[\theta 3] -$$
$$28\, r3^2\, \left(-4\, r^2 + r3^2\right) \text{Cos}[2\, \theta 3] + 16\, r\, r3^3\, \text{Cos}[3\, \theta 3] + 3\, r3^4\, \text{Cos}[4\, \theta 3]\Big)$$
$$\text{Cos}[\lambda]\, (-1 + 2\, \text{Cos}[2\, \lambda])\, \text{Sin}[3\, \lambda 2]\Big)$$

In[ ]:=
```
FullSimplify[Vxxxr3[r2] - Vxxxr3[r1]]
```

Out[ ]=

$$\frac{1}{96\,r}\,\mathrm{Csc}[\theta 3]^2$$

$$\Bigg(-\frac{1}{\left(r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]\right)^{5/2}}\Big(216\,r1^4\,(r-r1\,\mathrm{Cos}[\theta 3])\,\mathrm{Cos}[\lambda 1]\,\mathrm{Sin}[\theta 3]^4\,\mathrm{Sin}[\lambda]+$$

$$216\,r1^4\,(-r+r1\,\mathrm{Cos}[\theta 3])\,\mathrm{Cos}[\lambda 2]\,\mathrm{Sin}[\theta 3]^4\,\mathrm{Sin}[\lambda]+$$

$$(r-r1\,\mathrm{Cos}[\theta 3])\,\big(64\,r^4+272\,r^2\,r1^2+89\,r1^4-16\,r\,r1\,\left(16\,r^2+17\,r1^2\right)\mathrm{Cos}[\theta 3]-$$

$$28\,r1^2\,\left(-4\,r^2+r1^2\right)\mathrm{Cos}[2\,\theta 3]+16\,r\,r1^3\,\mathrm{Cos}[3\,\theta 3]+3\,r1^4\,\mathrm{Cos}[4\,\theta 3]\big)\,\mathrm{Cos}[\lambda 1]$$

$$(-1+2\,\mathrm{Cos}[2\,\lambda 1])\,\mathrm{Sin}[3\,\lambda]+(-r+r1\,\mathrm{Cos}[\theta 3])\,\big(64\,r^4+272\,r^2\,r1^2+$$

$$89\,r1^4-16\,r\,r1\,\left(16\,r^2+17\,r1^2\right)\mathrm{Cos}[\theta 3]-28\,r1^2\,\left(-4\,r^2+r1^2\right)\mathrm{Cos}[2\,\theta 3]+$$

$$16\,r\,r1^3\,\mathrm{Cos}[3\,\theta 3]+3\,r1^4\,\mathrm{Cos}[4\,\theta 3]\big)\,\mathrm{Cos}[\lambda 2]\,(-1+2\,\mathrm{Cos}[2\,\lambda 2])\,\mathrm{Sin}[3\,\lambda]+$$

$$216\,r1^4\,(-r+r1\,\mathrm{Cos}[\theta 3])\,\mathrm{Cos}[\lambda]\,\mathrm{Sin}[\theta 3]^4\,\mathrm{Sin}[\lambda 1]+$$

$$(-r+r1\,\mathrm{Cos}[\theta 3])\,\big(64\,r^4+272\,r^2\,r1^2+89\,r1^4-16\,r\,r1\,\left(16\,r^2+17\,r1^2\right)\mathrm{Cos}[\theta 3]-$$

$$28\,r1^2\,\left(-4\,r^2+r1^2\right)\mathrm{Cos}[2\,\theta 3]+16\,r\,r1^3\,\mathrm{Cos}[3\,\theta 3]+3\,r1^4\,\mathrm{Cos}[4\,\theta 3]\big)$$

$$\mathrm{Cos}[\lambda]\,(-1+2\,\mathrm{Cos}[2\,\lambda])\,\mathrm{Sin}[3\,\lambda 1]+216\,r1^4\,(r-r1\,\mathrm{Cos}[\theta 3])\,\mathrm{Cos}[\lambda]$$

$$\mathrm{Sin}[\theta 3]^4\,\mathrm{Sin}[\lambda 2]+(r-r1\,\mathrm{Cos}[\theta 3])\,\big(64\,r^4+272\,r^2\,r1^2+89\,r1^4-$$

$$16\,r\,r1\,\left(16\,r^2+17\,r1^2\right)\mathrm{Cos}[\theta 3]-28\,r1^2\,\left(-4\,r^2+r1^2\right)\mathrm{Cos}[2\,\theta 3]+$$

$$16\,r\,r1^3\,\mathrm{Cos}[3\,\theta 3]+3\,r1^4\,\mathrm{Cos}[4\,\theta 3]\big)\,\mathrm{Cos}[\lambda]\,(-1+2\,\mathrm{Cos}[2\,\lambda])\,\mathrm{Sin}[3\,\lambda 2]\Big)+$$

$$\frac{1}{\left(r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]\right)^{5/2}}\Big(216\,r2^4\,(r-r2\,\mathrm{Cos}[\theta 3])\,\mathrm{Cos}[\lambda 1]\,\mathrm{Sin}[\theta 3]^4\,\mathrm{Sin}[\lambda]+$$

$$216\,r2^4\,(-r+r2\,\mathrm{Cos}[\theta 3])\,\mathrm{Cos}[\lambda 2]\,\mathrm{Sin}[\theta 3]^4\,\mathrm{Sin}[\lambda]+$$

$$(r-r2\,\mathrm{Cos}[\theta 3])\,\big(64\,r^4+272\,r^2\,r2^2+89\,r2^4-16\,r\,r2\,\left(16\,r^2+17\,r2^2\right)\mathrm{Cos}[\theta 3]-$$

$$28\,r2^2\,\left(-4\,r^2+r2^2\right)\mathrm{Cos}[2\,\theta 3]+16\,r\,r2^3\,\mathrm{Cos}[3\,\theta 3]+3\,r2^4\,\mathrm{Cos}[4\,\theta 3]\big)$$

$$\mathrm{Cos}[\lambda 1]\,(-1+2\,\mathrm{Cos}[2\,\lambda 1])\,\mathrm{Sin}[3\,\lambda]+(-r+r2\,\mathrm{Cos}[\theta 3])$$

$$\big(64\,r^4+272\,r^2\,r2^2+89\,r2^4-16\,r\,r2\,\left(16\,r^2+17\,r2^2\right)\mathrm{Cos}[\theta 3]-$$

$$28\,r2^2\,\left(-4\,r^2+r2^2\right)\mathrm{Cos}[2\,\theta 3]+16\,r\,r2^3\,\mathrm{Cos}[3\,\theta 3]+3\,r2^4\,\mathrm{Cos}[4\,\theta 3]\big)$$

$$\mathrm{Cos}[\lambda 2]\,(-1+2\,\mathrm{Cos}[2\,\lambda 2])\,\mathrm{Sin}[3\,\lambda]+$$

$$216\,r2^4\,(-r+r2\,\mathrm{Cos}[\theta 3])\,\mathrm{Cos}[\lambda]\,\mathrm{Sin}[\theta 3]^4\,\mathrm{Sin}[\lambda 1]+$$

$$(-r+r2\,\mathrm{Cos}[\theta 3])\,\big(64\,r^4+272\,r^2\,r2^2+89\,r2^4-16\,r\,r2\,\left(16\,r^2+17\,r2^2\right)\mathrm{Cos}[\theta 3]-$$

$$28\,r2^2\,\left(-4\,r^2+r2^2\right)\mathrm{Cos}[2\,\theta 3]+16\,r\,r2^3\,\mathrm{Cos}[3\,\theta 3]+3\,r2^4\,\mathrm{Cos}[4\,\theta 3]\big)\,\mathrm{Cos}[\lambda]$$

$$(-1+2\,\mathrm{Cos}[2\,\lambda])\,\mathrm{Sin}[3\,\lambda 1]+216\,r2^4\,(r-r2\,\mathrm{Cos}[\theta 3])\,\mathrm{Cos}[\lambda]\,\mathrm{Sin}[\theta 3]^4\,\mathrm{Sin}[\lambda 2]+$$

$$(r-r2\,\mathrm{Cos}[\theta 3])\,\big(64\,r^4+272\,r^2\,r2^2+89\,r2^4-16\,r\,r2\,\left(16\,r^2+17\,r2^2\right)\mathrm{Cos}[\theta 3]-$$

$$28\,r2^2\,\left(-4\,r^2+r2^2\right)\mathrm{Cos}[2\,\theta 3]+16\,r\,r2^3\,\mathrm{Cos}[3\,\theta 3]+3\,r2^4\,\mathrm{Cos}[4\,\theta 3]\big)$$

$$\mathrm{Cos}[\lambda]\,(-1+2\,\mathrm{Cos}[2\,\lambda])\,\mathrm{Sin}[3\,\lambda 2]\Big)\Bigg)$$

In[ ]:=

$$\int\Bigg(\frac{1}{96\,r}\,\mathrm{Csc}[\theta 3]^2\Bigg(-\frac{1}{\left(r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]\right)^{5/2}}\Big(216\,r1^4\,(r-r1\,\mathrm{Cos}[\theta 3])\,\mathrm{Cos}[\lambda 1]\,\mathrm{Sin}[\theta 3]^4\,\mathrm{Sin}[\lambda]+216\,r1^4\,(-r+r1\,\mathrm{Cos}[\theta 3])\,\mathrm{Cos}[\lambda 2]\,\mathrm{Sin}[\theta 3]^4\,\mathrm{Sin}[\lambda]+(r-r1\,\mathrm{Cos}[\theta 3])\left(64\,r^4+272\,r^2\,r1^2+89\,r1^4-16\,r\,r1\left(16\,r^2+17\,r1^2\right)\mathrm{Cos}[\theta 3]-28\,r1^2\left(-4\,r^2+r1^2\right)\mathrm{Cos}[2\,\theta 3]+16\,r\,r1^3\,\mathrm{Cos}[3\,\theta 3]+3\,r1^4\,\mathrm{Cos}[4\,\theta 3]\right)\mathrm{Cos}[\lambda 1]\,(-1+2\,\mathrm{Cos}[2\,\lambda 1])\,\mathrm{Sin}[3\,\lambda]+(-r+r1\,\mathrm{Cos}[\theta 3])\left(64\,r^4+272\,r^2\,r1^2+89\,r1^4-16\,r\,r1\left(16\,r^2+17\,r1^2\right)\mathrm{Cos}[\theta 3]-28\,r1^2\left(-4\,r^2+r1^2\right)\mathrm{Cos}[2\,\theta 3]+16\,r\,r1^3\,\mathrm{Cos}[3\,\theta 3]+3\,r1^4\,\mathrm{Cos}[4\,\theta 3]\right)\mathrm{Cos}[\lambda 2]\,(-1+2\,\mathrm{Cos}[2\,\lambda 2])\,\mathrm{Sin}[3\,\lambda]+216\,r1^4\,(-r+r1\,\mathrm{Cos}[\theta 3])\,\mathrm{Cos}[\lambda]\,\mathrm{Sin}[\theta 3]^4\,\mathrm{Sin}[\lambda 1]+(-r+r1\,\mathrm{Cos}[\theta 3])\left(64\,r^4+272\,r^2\,r1^2+89\,r1^4-16\,r\,r1\left(16\,r^2+17\,r1^2\right)\mathrm{Cos}[\theta 3]-28\,r1^2\left(-4\,r^2+r1^2\right)\mathrm{Cos}[2\,\theta 3]+16\,r\,r1^3\,\mathrm{Cos}[3\,\theta 3]+3\,r1^4\,\mathrm{Cos}[4\,\theta 3]\right)\mathrm{Cos}[\lambda]\,(-1+2\,\mathrm{Cos}[2\,\lambda])\,\mathrm{Sin}[3\,\lambda 1]+216\,r1^4\,(r-r1\,\mathrm{Cos}[\theta 3])\,\mathrm{Cos}[\lambda]\,\mathrm{Sin}[\theta 3]^4\,\mathrm{Sin}[\lambda 2]+(r-r1\,\mathrm{Cos}[\theta 3])\left(64\,r^4+272\,r^2\,r1^2+89\,r1^4-16\,r\,r1\left(16\,r^2+17\,r1^2\right)\mathrm{Cos}[\theta 3]-28\,r1^2\left(-4\,r^2+r1^2\right)\mathrm{Cos}[2\,\theta 3]+16\,r\,r1^3\,\mathrm{Cos}[3\,\theta 3]+3\,r1^4\,\mathrm{Cos}[4\,\theta 3]\right)\mathrm{Cos}[\lambda]\,(-1+2\,\mathrm{Cos}[2\,\lambda])\,\mathrm{Sin}[3\,\lambda 2]\Big)+\frac{1}{\left(r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]\right)^{5/2}}\Big(216\,r2^4\,(r-r2\,\mathrm{Cos}[\theta 3])\,\mathrm{Cos}[\lambda 1]\,\mathrm{Sin}[\theta 3]^4\,\mathrm{Sin}[\lambda]+216\,r2^4\,(-r+r2\,\mathrm{Cos}[\theta 3])\,\mathrm{Cos}[\lambda 2]\,\mathrm{Sin}[\theta 3]^4\,\mathrm{Sin}[\lambda]+(r-r2\,\mathrm{Cos}[\theta 3])\left(64\,r^4+272\,r^2\,r2^2+89\,r2^4-16\,r\,r2\left(16\,r^2+17\,r2^2\right)\mathrm{Cos}[\theta 3]-28\,r2^2\left(-4\,r^2+r2^2\right)\mathrm{Cos}[2\,\theta 3]+16\,r\,r2^3\,\mathrm{Cos}[3\,\theta 3]+3\,r2^4\,\mathrm{Cos}[4\,\theta 3]\right)\mathrm{Cos}[\lambda 1]\,(-1+2\,\mathrm{Cos}[2\,\lambda 1])\,\mathrm{Sin}[3\,\lambda]+(-r+r2\,\mathrm{Cos}[\theta 3])\left(64\,r^4+272\,r^2\,r2^2+89\,r2^4-16\,r\,r2\left(16\,r^2+17\,r2^2\right)\mathrm{Cos}[\theta 3]-28\,r2^2\left(-4\,r^2+r2^2\right)\mathrm{Cos}[2\,\theta 3]+16\,r\,r2^3\,\mathrm{Cos}[3\,\theta 3]+3\,r2^4\,\mathrm{Cos}[4\,\theta 3]\right)\mathrm{Cos}[\lambda 2]\,(-1+2\,\mathrm{Cos}[2\,\lambda 2])\,\mathrm{Sin}[3\,\lambda]+216\,r2^4\,(-r+r2\,\mathrm{Cos}[\theta 3])\,\mathrm{Cos}[\lambda]\,\mathrm{Sin}[\theta 3]^4\,\mathrm{Sin}[\lambda 1]+(-r+r2\,\mathrm{Cos}[\theta 3])\left(64\,r^4+272\,r^2\,r2^2+89\,r2^4-16\,r\,r2\left(16\,r^2+17\,r2^2\right)\mathrm{Cos}[\theta 3]-28\,r2^2\left(-4\,r^2+r2^2\right)\mathrm{Cos}[2\,\theta 3]+16\,r\,r2^3\,\mathrm{Cos}[3\,\theta 3]+3\,r2^4\,\mathrm{Cos}[4\,\theta 3]\right)\mathrm{Cos}[\lambda]\,(-1+2\,\mathrm{Cos}[2\,\lambda])\,\mathrm{Sin}[3\,\lambda 2]\Big)\Bigg)\Bigg)\,d\theta 3$$

Out[ ]=

$$\frac{1}{96\,r}\left(\frac{64\,r\,r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r1+r1^2}}\,\mathrm{EllipticF}\left[\frac{\theta 3}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\mathrm{Sin}[3\,\lambda-3\,\lambda 1]}{\left(r^2-r1^2\right)\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}}-\frac{16\,r1^4\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r1+r1^2}}\,\mathrm{EllipticF}\left[\frac{\theta 3}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\mathrm{Sin}[3\,\lambda-3\,\lambda 1]}{r\left(r^2-r1^2\right)\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}}-$$

$$\frac{64\, r\, r2^2 \sqrt{\frac{r^2+r2^2-2\, r\, r2\, \mathrm{Cos}[\theta 3]}{r^2-2\, r\, r2+r2^2}}\ \mathrm{EllipticF}\left[\frac{\theta 3}{2}, -\frac{4\, r\, r2}{r^2-2\, r\, r2+r2^2}\right] \mathrm{Sin}[3\,\lambda - 3\,\lambda 1]}{\left(r^2-r2^2\right)\sqrt{r^2+r2^2-2\, r\, r2\, \mathrm{Cos}[\theta 3]}} +$$

$$\frac{16\, r2^4 \sqrt{\frac{r^2+r2^2-2\, r\, r2\, \mathrm{Cos}[\theta 3]}{r^2-2\, r\, r2+r2^2}}\ \mathrm{EllipticF}\left[\frac{\theta 3}{2}, -\frac{4\, r\, r2}{r^2-2\, r\, r2+r2^2}\right] \mathrm{Sin}[3\,\lambda - 3\,\lambda 1]}{r\left(r^2-r2^2\right)\sqrt{r^2+r2^2-2\, r\, r2\, \mathrm{Cos}[\theta 3]}} -$$

$$\frac{144\, r1^4 \sqrt{\frac{r^2+r1^2-2\, r\, r1\, \mathrm{Cos}[\theta 3]}{r^2-2\, r\, r1+r1^2}}\ \mathrm{EllipticF}\left[\frac{\theta 3}{2}, -\frac{4\, r\, r1}{r^2-2\, r\, r1+r1^2}\right] \mathrm{Sin}[\lambda - \lambda 1]}{r\left(r^2-r1^2\right)\sqrt{r^2+r1^2-2\, r\, r1\, \mathrm{Cos}[\theta 3]}} +$$

$$\frac{144\, r2^4 \sqrt{\frac{r^2+r2^2-2\, r\, r2\, \mathrm{Cos}[\theta 3]}{r^2-2\, r\, r2+r2^2}}\ \mathrm{EllipticF}\left[\frac{\theta 3}{2}, -\frac{4\, r\, r2}{r^2-2\, r\, r2+r2^2}\right] \mathrm{Sin}[\lambda - \lambda 1]}{r\left(r^2-r2^2\right)\sqrt{r^2+r2^2-2\, r\, r2\, \mathrm{Cos}[\theta 3]}} + \frac{1}{r^2-r1^2}$$

$$36\, r1^3 \Bigg(-\mathrm{Sin}[\lambda] \Bigg(-\frac{1}{2\, r\, r1}\, \mathrm{Cos}[\lambda 1] \Bigg(\Bigg(2\left(r^2-2\, r\, r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\, r\, r1\, \mathrm{Cos}[\theta 3]}{r^2-2\, r\, r1+r1^2}}$$

$$\mathrm{EllipticE}\left[\frac{\theta 3}{2}, -\frac{4\, r\, r1}{r^2-2\, r\, r1+r1^2}\right]\Bigg) \Big/ \left(\sqrt{r^2+r1^2-2\, r\, r1\, \mathrm{Cos}[\theta 3]}\right) -$$

$$\Bigg(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\, r\, r1\, \mathrm{Cos}[\theta 3]}{r^2-2\, r\, r1+r1^2}}\ \mathrm{EllipticF}\Bigg[\frac{\theta 3}{2},$$

$$-\frac{4\, r\, r1}{r^2-2\, r\, r1+r1^2}\Bigg]\Bigg) \Big/ \left(\sqrt{r^2+r1^2-2\, r\, r1\, \mathrm{Cos}[\theta 3]}\right)\Bigg) -$$

$$\Bigg(\sqrt{\frac{r^2+r1^2-2\, r\, r1\, \mathrm{Cos}[\theta 3]}{r^2+r1^2}}\ \Bigg(-r^2-r1^2+r^2\sqrt{\frac{r^2+r1^2-2\, r\, r1\, \mathrm{Cos}[\theta 3]}{r^2+r1^2}} +$$

$$r1^2\sqrt{\frac{r^2+r1^2-2\, r\, r1\, \mathrm{Cos}[\theta 3]}{r^2+r1^2}}\Bigg)\mathrm{Sin}[\lambda 1]\Bigg) \Big/ \Big(r\, r1$$

$$\sqrt{r^2+r1^2-2\, r\, r1\, \mathrm{Cos}[\theta 3]}\Big)\Bigg) + \mathrm{Cos}[\lambda] \Bigg(\Bigg(\sqrt{\frac{r^2+r1^2-2\, r\, r1\, \mathrm{Cos}[\theta 3]}{r^2+r1^2}}\ \Bigg(-r^2-$$

$$r1^2+r^2\sqrt{\frac{r^2+r1^2-2\, r\, r1\, \mathrm{Cos}[\theta 3]}{r^2+r1^2}} + r1^2\sqrt{\frac{r^2+r1^2-2\, r\, r1\, \mathrm{Cos}[\theta 3]}{r^2+r1^2}}\Bigg)$$

$$\mathrm{Cos}[\lambda 1]\Bigg) \Big/ \left(r\, r1\sqrt{r^2+r1^2-2\, r\, r1\, \mathrm{Cos}[\theta 3]}\right) -$$

$$\frac{1}{2\, r\, r1}\Bigg(\Bigg(2\left(r^2-2\, r\, r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\, r\, r1\, \mathrm{Cos}[\theta 3]}{r^2-2\, r\, r1+r1^2}}\ \mathrm{EllipticE}\Bigg[\frac{\theta 3}{2},$$

$$-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Big)\Big/\Big(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\Big)-\Big(2\,(r^2+r1^2)$$

$$\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticF}\Big[\frac{\theta 3}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Big)\Big/$$

$$\Big(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\Big)\Big)\,\mathrm{Sin}[\lambda 1]\Big)\Big)-\frac{1}{r^2\,(r^2-r1^2)}$$

$$72\,r1^5\Big(-\mathrm{Sin}[\lambda]\Big(-\frac{1}{2\,r\,r1}\,\mathrm{Cos}[\lambda 1]\Big(\Big(2\,(r^2-2\,r\,r1+r1^2)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r1+r1^2}}$$

$$\mathrm{EllipticE}\Big[\frac{\theta 3}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Big)\Big/\Big(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\Big)-$$

$$\Big(2\,(r^2+r1^2)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticF}\Big[\frac{\theta 3}{2},$$

$$-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Big)\Big/\Big(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\Big)\Big)-$$

$$\Big(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}\Big(-r^2-r1^2+r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}+$$

$$r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}\Big)\,\mathrm{Sin}[\lambda 1]\Big)\Big/$$

$$\Big(r\,r1\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\Big)\Big)+\mathrm{Cos}[\lambda]$$

$$\Big(\Big(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}\Big(-r^2-r1^2+r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}+$$

$$r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}\Big)$$

$$\mathrm{Cos}[\lambda 1]\Big)\Big/\Big(r\,r1\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\Big)-$$

$$\frac{1}{2\,r\,r1}\Big(\Big(2\,(r^2-2\,r\,r1+r1^2)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticE}\Big[\frac{\theta 3}{2},$$

$$-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Big)\Big/\Big(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\Big)-\Big(2\,(r^2+r1^2)$$

$$\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticF}\left[\frac{\theta 3}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\Bigg)\Bigg/$$

$$\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\right)\Bigg)\,\mathrm{Sin}[\lambda 1]\Bigg)\Bigg)-\frac{1}{r^2-r1^2}$$

$$36\,r1^3\Bigg(\mathrm{Sin}[\lambda]\Bigg(-\frac{1}{2\,r\,r1}\,\mathrm{Cos}[\lambda 1]\Bigg(\Bigg(2\left(r^2-2\,r\,r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r1+r1^2}}$$

$$\mathrm{EllipticE}\left[\frac{\theta 3}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\Bigg)\Bigg/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\right)-$$

$$\Bigg(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticF}\Bigg[\frac{\theta 3}{2},$$

$$-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Bigg]\Bigg)\Bigg/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\right)\Bigg)+$$

$$\Bigg(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}\Bigg(-r^2-r1^2+r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}+$$

$$r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}\Bigg)\,\mathrm{Sin}[\lambda 1]\Bigg)\Bigg/$$

$$\left(r\,r1\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\right)\Bigg)+\mathrm{Cos}[\lambda]$$

$$\Bigg(\Bigg(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}\Bigg(-r^2-r1^2+r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}+$$

$$r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}\Bigg)$$

$$\mathrm{Cos}[\lambda 1]\Bigg)\Bigg/\left(r\,r1\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\right)+$$

$$\frac{1}{2\,r\,r1}\Bigg(\Bigg(2\left(r^2-2\,r\,r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticE}\Bigg[\frac{\theta 3}{2},$$

$$-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Bigg]\Bigg)\Bigg/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\right)-\Bigg(2\left(r^2+r1^2\right)$$

$$\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticF}\left[\frac{\theta 3}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\Bigg)\Bigg/$$

$$\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\right)\Bigg)\,\mathrm{Sin}[\lambda 1]\Bigg)\Bigg)+\frac{1}{r^2\left(r^2-r1^2\right)}$$

$$72\,r1^5\Bigg(\mathrm{Sin}[\lambda]\Bigg(-\frac{1}{2\,r\,r1}\,\mathrm{Cos}[\lambda 1]\Bigg(\Bigg(2\left(r^2-2\,r\,r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r1+r1^2}}$$

$$\mathrm{EllipticE}\left[\frac{\theta 3}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\Bigg)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\right)-$$

$$\Bigg(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r1+r1^2}}\,\mathrm{EllipticF}\left[\frac{\theta 3}{2},\right.$$

$$\left.-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\Bigg)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\right)\Bigg)+$$

$$\Bigg(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}\Bigg(-r^2-r1^2+r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}+$$

$$r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}\Bigg)\,\mathrm{Sin}[\lambda 1]\Bigg)\Big/$$

$$\left(r\,r1\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\right)\Bigg)+\mathrm{Cos}[\lambda]$$

$$\Bigg(\Bigg(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}\Bigg(-r^2-r1^2+r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}+$$

$$r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}\Bigg)$$

$$\mathrm{Cos}[\lambda 1]\Bigg)\Big/\left(r\,r1\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\right)+$$

$$\frac{1}{2\,r\,r1}\Bigg(\Bigg(2\left(r^2-2\,r\,r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r1+r1^2}}\,\mathrm{EllipticE}\left[\frac{\theta 3}{2},\right.$$

$$\left.-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\Bigg)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\right)-\Bigg(2\left(r^2+r1^2\right)$$

$$\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r1+r1^2}}\,\mathrm{EllipticF}\left[\frac{\theta 3}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\Bigg)\Big/$$

$$\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\right)\Bigg)\,\mathrm{Sin}[\lambda 1]\Bigg)\Bigg)-\frac{1}{r^2-r2^2}$$

$$36\, r2^3 \left(-\mathrm{Sin}[\lambda] \left(-\frac{1}{2\, r\, r2} \mathrm{Cos}[\lambda 1] \left(\left(2 \left(r^2 - 2\, r\, r2 + r2^2\right) \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}{r^2 - 2\, r\, r2 + r2^2}}\right.\right.\right.\right.$$

$$\left.\mathrm{EllipticE}\left[\frac{\theta 3}{2}, -\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\right]\right) \Big/ \left(\sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}\right) -$$

$$\left(2 \left(r^2 + r2^2\right) \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}{r^2 - 2\, r\, r2 + r2^2}}\, \mathrm{EllipticF}\left[\frac{\theta 3}{2},\right.\right.$$

$$\left.\left.-\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\right]\right) \Big/ \left(\sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}\right)\Bigg) -$$

$$\left(\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}{r^2 + r2^2}} \left(-r^2 - r2^2 + r^2 \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}{r^2 + r2^2}} + \right.\right.$$

$$\left.\left. r2^2 \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}{r^2 + r2^2}}\right) \mathrm{Sin}[\lambda 1]\right) \Big/$$

$$\left.\left(r\, r2 \sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}\right)\right) + \mathrm{Cos}[\lambda]$$

$$\left(\left(\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}{r^2 + r2^2}} \left(-r^2 - r2^2 + r^2 \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}{r^2 + r2^2}} + \right.\right.\right.$$

$$\left. r2^2 \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}{r^2 + r2^2}}\right)$$

$$\left.\mathrm{Cos}[\lambda 1]\right) \Big/ \left(r\, r2 \sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}\right) -$$

$$\frac{1}{2\, r\, r2} \left(\left(2 \left(r^2 - 2\, r\, r2 + r2^2\right) \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}{r^2 - 2\, r\, r2 + r2^2}}\, \mathrm{EllipticE}\left[\frac{\theta 3}{2},\right.\right.\right.$$

$$\left.\left.-\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\right]\right) \Big/ \left(\sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}\right) - \left(2 \left(r^2 + r2^2\right)\right.$$

$$\left.\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}{r^2 - 2\, r\, r2 + r2^2}}\, \mathrm{EllipticF}\left[\frac{\theta 3}{2}, -\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\right]\right) \Big/$$

$$\left.\left.\left.\left(\sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}\right)\right) \mathrm{Sin}[\lambda 1]\right)\right) + \frac{1}{r^2 \left(r^2 - r2^2\right)}$$

$$72\, r2^5 \left(-\mathrm{Sin}[\lambda] \left(-\frac{1}{2\, r\, r2} \mathrm{Cos}[\lambda 1] \left(\left(2 \left(r^2 - 2\, r\, r2 + r2^2\right) \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}{r^2 - 2\, r\, r2 + r2^2}}\right.\right.\right.\right.$$

$$\text{EllipticE}\left[\frac{\theta 3}{2}, -\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\Bigg)\Bigg/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 3]}\right)-$$

$$\left(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 3]}{r^2-2\,r\,r2+r2^2}}\;\text{EllipticF}\left[\frac{\theta 3}{2},\right.\right.$$

$$\left.\left.-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Bigg/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 3]}\right)\Bigg)-$$

$$\left(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 3]}{r^2+r2^2}}\left(-r^2-r2^2+r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 3]}{r^2+r2^2}}+\right.\right.$$

$$\left.r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 3]}{r^2+r2^2}}\right)\text{Sin}[\lambda 1]\Bigg)\Bigg/$$

$$\left(r\,r2\sqrt{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 3]}\right)\Bigg)+\text{Cos}[\lambda]$$

$$\left(\left(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 3]}{r^2+r2^2}}\left(-r^2-r2^2+r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 3]}{r^2+r2^2}}+\right.\right.\right.$$

$$\left.r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 3]}{r^2+r2^2}}\right)$$

$$\text{Cos}[\lambda 1]\Bigg)\Bigg/\left(r\,r2\sqrt{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 3]}\right)-$$

$$\frac{1}{2\,r\,r2}\left(\left(2\left(r^2-2\,r\,r2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 3]}{r^2-2\,r\,r2+r2^2}}\;\text{EllipticE}\left[\frac{\theta 3}{2},\right.\right.\right.$$

$$\left.\left.-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Bigg/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 3]}\right)-\left(2\left(r^2+r2^2\right)\right.$$

$$\left.\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 3]}{r^2-2\,r\,r2+r2^2}}\;\text{EllipticF}\left[\frac{\theta 3}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Bigg/$$

$$\left.\left.\left(\sqrt{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 3]}\right)\right)\text{Sin}[\lambda 1]\right)\right)+\frac{1}{r^2-r2^2}$$

$$36\,r2^3\left(\text{Sin}[\lambda]\left(-\frac{1}{2\,r\,r2}\text{Cos}[\lambda 1]\left(\left(2\left(r^2-2\,r\,r2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 3]}{r^2-2\,r\,r2+r2^2}}\right.\right.\right.\right.$$

$$\text{EllipticE}\left[\frac{\theta 3}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\Bigg)\Bigg/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 3]}\right)-$$

$$\left(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticF}\left[\frac{\theta 3}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\right)+$$

$$\left(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}\left(-r^2-r2^2+r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}+r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}\right)\mathrm{Sin}[\lambda 1]\right)\Big/\left(r\,r2\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\right)\Bigg)+\mathrm{Cos}[\lambda]$$

$$\left(\left(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}\left(-r^2-r2^2+r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}+r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}\right)\right.\right.$$

$$\mathrm{Cos}[\lambda 1]\Bigg)\Big/\left(r\,r2\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\right)+$$

$$\frac{1}{2\,r\,r2}\left(\left(2\left(r^2-2\,r\,r2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticE}\left[\frac{\theta 3}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\right)-\left(2\left(r^2+r2^2\right)\right.\right.$$

$$\left.\left.\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticF}\left[\frac{\theta 3}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\right)\Bigg)\mathrm{Sin}[\lambda 1]\Bigg)\Bigg)-\frac{1}{r^2\left(r^2-r2^2\right)}$$

$$72\,r2^5\left(\mathrm{Sin}[\lambda]\left(-\frac{1}{2\,r\,r2}\mathrm{Cos}[\lambda 1]\left(\left(2\left(r^2-2\,r\,r2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r2+r2^2}}\right.\right.\right.\right.$$

$$\left.\mathrm{EllipticE}\left[\frac{\theta 3}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\right)-$$

$$\left(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticF}\left[\frac{\theta 3}{2},\right.\right.$$

$$-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\Big)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\right)\Big)+$$

$$\Bigg(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}\left(-r^2-r2^2+r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}+\right.$$

$$\left.r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}\right)\mathrm{Sin}[\lambda 1]\Bigg)\Big/$$

$$\left(r\,r2\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\right)\Bigg)+\mathrm{Cos}[\lambda]$$

$$\Bigg(\Bigg(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}\left(-r^2-r2^2+r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}+\right.$$

$$\left.r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}\right)$$

$$\mathrm{Cos}[\lambda 1]\Bigg)\Big/\left(r\,r2\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\right)+$$

$$\frac{1}{2\,r\,r2}\Bigg(\Bigg(2\left(r^2-2\,r\,r2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r2+r2^2}}$$

$$\mathrm{EllipticE}\Big[\frac{\theta 3}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\Bigg)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\right)-$$

$$\Bigg(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r2+r2^2}}\,\mathrm{EllipticF}\Big[\frac{\theta 3}{2},$$

$$-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\Bigg)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\right)\Bigg)\,\mathrm{Sin}[\lambda 1]\Bigg)\Bigg)+$$

$$\frac{1}{r^2-r1^2}\,32\,r^2\,r1\Bigg(-\Bigg((1+2\,\mathrm{Cos}[2\,\lambda])\,\mathrm{Sin}[\lambda]\Bigg(-\frac{1}{2\,r\,r1}\,\mathrm{Cos}[3\,\lambda 1]$$

$$\Bigg(\Bigg(2\left(r^2-2\,r\,r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r1+r1^2}}\,\mathrm{EllipticE}\Big[$$

$$\frac{\theta 3}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Bigg)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\right)-$$

$$\Bigg(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r1+r1^2}}\,\mathrm{EllipticF}\Big[\frac{\theta 3}{2},$$

$$-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Big)\Big/\Big(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\Big)\Big)-$$

$$\Bigg(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}\Bigg(-r^2-r1^2+r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}+$$

$$r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}\Bigg)(1+2\,\mathrm{Cos}[2\,\lambda 1])\,\mathrm{Sin}[\lambda 1]\Bigg)\Big/$$

$$\Big(r\,r1\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\Big)\Bigg)\Bigg)+\mathrm{Cos}[\lambda]\,(-1+2\,\mathrm{Cos}[2\,\lambda])$$

$$\Bigg(\Bigg(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}\Bigg(-r^2-r1^2+r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}+$$

$$r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}\Bigg)\mathrm{Cos}[\lambda 1]$$

$$(-1+2\,\mathrm{Cos}[2\,\lambda 1])\Bigg)\Big/\Big(r\,r1\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\Big)-$$

$$\frac{1}{2\,r\,r1}\Bigg(\Bigg(2\,(r^2-2\,r\,r1+r1^2)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r1+r1^2}}$$

$$\mathrm{EllipticE}\Big[\frac{\theta 3}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Bigg)\Big/\Big(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\Big)-$$

$$\Bigg(2\,(r^2+r1^2)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r1+r1^2}}\,\mathrm{EllipticF}\Big[\frac{\theta 3}{2},$$

$$-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Bigg)\Big/\Big(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\Big)\Bigg)\,\mathrm{Sin}[3\,\lambda 1]\Bigg)\Bigg)-$$

$$\frac{1}{r^2-r1^2}\,12\,r1^3\Bigg(-\Bigg((1+2\,\mathrm{Cos}[2\,\lambda])\,\mathrm{Sin}[\lambda]\Bigg(-\frac{1}{2\,r\,r1}\,\mathrm{Cos}[3\,\lambda 1]$$

$$\Bigg(\Bigg(2\,(r^2-2\,r\,r1+r1^2)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r1+r1^2}}\,\mathrm{EllipticE}\Big[$$

$$\frac{\theta 3}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Bigg)\Big/\Big(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\Big)-$$

$$\Bigg(2\,(r^2+r1^2)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r1+r1^2}}\,\mathrm{EllipticF}\Big[\frac{\theta 3}{2},$$

$$-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Big)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\right)\Big)-$$

$$\left(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}\left(-r^2-r1^2+r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}+\right.\right.$$

$$\left.r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}\right)(1+2\,\mathrm{Cos}[2\,\lambda 1])\,\mathrm{Sin}[\lambda 1]\Big)\Big/$$

$$\left.\left.\left(r\,r1\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\right)\right)\right)+\mathrm{Cos}[\lambda]\,(-1+2\,\mathrm{Cos}[2\,\lambda])$$

$$\left(\left(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}\left(-r^2-r1^2+r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}+\right.\right.\right.$$

$$\left.r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}\right)\mathrm{Cos}[\lambda 1]$$

$$\left.(-1+2\,\mathrm{Cos}[2\,\lambda 1])\right)\Big/\left(r\,r1\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\right)-$$

$$\frac{1}{2\,r\,r1}\left(\left(2\left(r^2-2\,r\,r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r1+r1^2}}\right.\right.$$

$$\left.\mathrm{EllipticE}\left[\frac{\theta 3}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\right)-$$

$$\left(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r1+r1^2}}\,\mathrm{EllipticF}\left[\frac{\theta 3}{2},\right.\right.$$

$$\left.\left.\left.-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\right)\right)\mathrm{Sin}[3\,\lambda 1]\Big)\Big)-$$

$$\frac{1}{r^2\left(r^2-r1^2\right)}\,8\,r1^5\left(-\left((1+2\,\mathrm{Cos}[2\,\lambda])\,\mathrm{Sin}[\lambda]\left(-\frac{1}{2\,r\,r1}\,\mathrm{Cos}[3\,\lambda 1]\right.\right.\right.$$

$$\left(\left(2\left(r^2-2\,r\,r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r1+r1^2}}\,\mathrm{EllipticE}\Big[\right.\right.$$

$$\left.\frac{\theta 3}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\Big)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\right)-$$

$$\left(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r1+r1^2}}\,\mathrm{EllipticF}\left[\frac{\theta 3}{2},\right.\right.$$

$$-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Big)\Big/\Big(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\Big)\Big)-$$

$$\Bigg(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}\Bigg(-r^2-r1^2+r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}+$$

$$r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}\Bigg)(1+2\,\mathrm{Cos}[2\,\lambda 1])\,\mathrm{Sin}[\lambda 1]\Bigg)\Big/$$

$$\Big(r\,r1\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\Big)\Bigg)\Bigg)+\mathrm{Cos}[\lambda]\,(-1+2\,\mathrm{Cos}[2\,\lambda])$$

$$\Bigg(\Bigg(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}\Bigg(-r^2-r1^2+r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}+$$

$$r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}\Bigg)\mathrm{Cos}[\lambda 1]$$

$$(-1+2\,\mathrm{Cos}[2\,\lambda 1])\Bigg)\Big/\Big(r\,r1\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\Big)-$$

$$\frac{1}{2\,r\,r1}\Bigg(\Bigg(2\,(r^2-2\,r\,r1+r1^2)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r1+r1^2}}$$

$$\mathrm{EllipticE}\Big[\frac{\theta 3}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Bigg)\Big/\Big(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\Big)-$$

$$\Bigg(2\,(r^2+r1^2)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r1+r1^2}}\,\mathrm{EllipticF}\Big[\frac{\theta 3}{2},$$

$$-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Bigg)\Big/\Big(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\Big)\Bigg)\,\mathrm{Sin}[3\,\lambda 1]\Bigg)\Bigg)-$$

$$\frac{1}{r^2-r1^2}\,32\,r^2\,r1\Bigg((1+2\,\mathrm{Cos}[2\,\lambda])\,\mathrm{Sin}[\lambda]\Bigg(-\frac{1}{2\,r\,r1}\,\mathrm{Cos}[3\,\lambda 1]$$

$$\Bigg(\Bigg(2\,(r^2-2\,r\,r1+r1^2)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r1+r1^2}}$$

$$\mathrm{EllipticE}\Big[\frac{\theta 3}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Bigg)\Big/\Big(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\Big)-$$

$$\Bigg(2\,(r^2+r1^2)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r1+r1^2}}\,\mathrm{EllipticF}\Big[\frac{\theta 3}{2},$$

$$-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Big)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\right)\Big)+$$

$$\Bigg(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}\left(-r^2-r1^2+r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}+\right.$$

$$\left.r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}\right)(1+2\,\mathrm{Cos}[2\,\lambda 1])\,\mathrm{Sin}[\lambda 1]\Bigg)\Big/$$

$$\left(r\,r1\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\right)\Bigg)+\mathrm{Cos}[\lambda]\,(-1+2\,\mathrm{Cos}[2\,\lambda])$$

$$\Bigg(\Bigg(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}\left(-r^2-r1^2+r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}+\right.$$

$$\left.r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}\right)\mathrm{Cos}[\lambda 1]$$

$$(-1+2\,\mathrm{Cos}[2\,\lambda 1])\Bigg)\Big/\left(r\,r1\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\right)+$$

$$\frac{1}{2\,r\,r1}\Bigg(\Bigg(2\left(r^2-2\,r\,r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r1+r1^2}}$$

$$\mathrm{EllipticE}\Big[\frac{\theta 3}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Bigg)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\right)-$$

$$\Bigg(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r1+r1^2}}\,\mathrm{EllipticF}\Big[\frac{\theta 3}{2},$$

$$-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Bigg)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\right)\Bigg)\,\mathrm{Sin}[3\,\lambda 1]\Bigg)\Bigg)+$$

$$\frac{1}{r^2-r1^2}\,12\,r1^3\Bigg((1+2\,\mathrm{Cos}[2\,\lambda])\,\mathrm{Sin}[\lambda]\Bigg(-\frac{1}{2\,r\,r1}\,\mathrm{Cos}[3\,\lambda 1]$$

$$\Bigg(\Bigg(2\left(r^2-2\,r\,r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r1+r1^2}}$$

$$\mathrm{EllipticE}\Big[\frac{\theta 3}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Bigg)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\right)-$$

$$\Bigg(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r1+r1^2}}\,\mathrm{EllipticF}\Big[\frac{\theta 3}{2},$$

$$-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Big)\Big/\Big(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\Big)\Big)+$$

$$\Big(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}\Big(-r^2-r1^2+r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}+$$

$$r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}\Big)(1+2\,\mathrm{Cos}[2\,\lambda 1])\,\mathrm{Sin}[\lambda 1]\Big)\Big/$$

$$\Big(r\,r1\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\Big)\Big)+\mathrm{Cos}[\lambda]\,(-1+2\,\mathrm{Cos}[2\,\lambda])$$

$$\Big(\Big(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}\Big(-r^2-r1^2+r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}+$$

$$r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}\Big)\mathrm{Cos}[\lambda 1]$$

$$(-1+2\,\mathrm{Cos}[2\,\lambda 1])\Big)\Big/\Big(r\,r1\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\Big)+$$

$$\frac{1}{2\,r\,r1}\Big(\Big(2\,(r^2-2\,r\,r1+r1^2)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r1+r1^2}}$$

$$\mathrm{EllipticE}\Big[\frac{\theta 3}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Big)\Big/\Big(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\Big)-$$

$$\Big(2\,(r^2+r1^2)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r1+r1^2}}\,\mathrm{EllipticF}\Big[\frac{\theta 3}{2},$$

$$-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Big)\Big/\Big(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\Big)\Big)\,\mathrm{Sin}[3\,\lambda 1]\Big)\Big)+$$

$$\frac{1}{r^2\,(r^2-r1^2)}\,8\,r1^5\Big((1+2\,\mathrm{Cos}[2\,\lambda])\,\mathrm{Sin}[\lambda]\Big(-\frac{1}{2\,r\,r1}\,\mathrm{Cos}[3\,\lambda 1]$$

$$\Big(\Big(2\,(r^2-2\,r\,r1+r1^2)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r1+r1^2}}$$

$$\mathrm{EllipticE}\Big[\frac{\theta 3}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Big)\Big/\Big(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\Big)-$$

$$\Big(2\,(r^2+r1^2)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r1+r1^2}}\,\mathrm{EllipticF}\Big[\frac{\theta 3}{2},$$

$$-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Big)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\right)\Big)+$$

$$\Bigg(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}\left(-r^2-r1^2+r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}+\right.$$

$$\left.r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}\right)(1+2\,\mathrm{Cos}[2\,\lambda 1])\,\mathrm{Sin}[\lambda 1]\Bigg)\Big/$$

$$\left(r\,r1\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\right)\Bigg)+\mathrm{Cos}[\lambda]\,(-1+2\,\mathrm{Cos}[2\,\lambda])$$

$$\Bigg(\Bigg(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}\left(-r^2-r1^2+r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}+\right.$$

$$\left.r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}\right)\mathrm{Cos}[\lambda 1]$$

$$(-1+2\,\mathrm{Cos}[2\,\lambda 1])\Bigg)\Big/\left(r\,r1\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\right)+$$

$$\frac{1}{2\,r\,r1}\Bigg(\Bigg(2\left(r^2-2\,r\,r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r1+r1^2}}$$

$$\mathrm{EllipticE}\Big[\frac{\theta 3}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Bigg)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\right)-$$

$$\Bigg(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r1+r1^2}}\,\mathrm{EllipticF}\Big[\frac{\theta 3}{2},$$

$$-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Bigg)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\right)\Bigg)\,\mathrm{Sin}[3\,\lambda 1]\Bigg)\Bigg)-$$

$$\frac{1}{r^2-r2^2}\,32\,r^2\,r2\Bigg(-\Bigg((1+2\,\mathrm{Cos}[2\,\lambda])\,\mathrm{Sin}[\lambda]\Bigg(-\frac{1}{2\,r\,r2}\,\mathrm{Cos}[3\,\lambda 1]$$

$$\Bigg(\Bigg(2\left(r^2-2\,r\,r2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r2+r2^2}}\,\mathrm{EllipticE}\Big[$$

$$\frac{\theta 3}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\Bigg)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\right)-$$

$$\Bigg(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r2+r2^2}}\,\mathrm{EllipticF}\Big[\frac{\theta 3}{2},$$

$$-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\Big)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\right)\Big)-$$

$$\left(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}\left(-r^2-r2^2+r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}+\right.\right.$$

$$\left.r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}\right)(1+2\,\mathrm{Cos}[2\,\lambda 1])\,\mathrm{Sin}[\lambda 1]\Big)\Big/$$

$$\left.\left.\left(r\,r2\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\right)\right)\right)+\mathrm{Cos}[\lambda]\,(-1+2\,\mathrm{Cos}[2\,\lambda])$$

$$\left(\left(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}\left(-r^2-r2^2+r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}+\right.\right.\right.$$

$$\left.r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}\right)\mathrm{Cos}[\lambda 1]$$

$$\left.(-1+2\,\mathrm{Cos}[2\,\lambda 1])\right)\Big/\left(r\,r2\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\right)-$$

$$\frac{1}{2\,r\,r2}\left(\left(2\left(r^2-2\,r\,r2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r2+r2^2}}\right.\right.$$

$$\left.\mathrm{EllipticE}\left[\frac{\theta 3}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\right)-$$

$$\left(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r2+r2^2}}\,\mathrm{EllipticF}\left[\frac{\theta 3}{2},\right.\right.$$

$$\left.\left.\left.-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\right)\right)\mathrm{Sin}[3\,\lambda 1]\Big)\Big)+$$

$$\frac{1}{r^2-r2^2}\,12\,r2^3\left(-\left((1+2\,\mathrm{Cos}[2\,\lambda])\,\mathrm{Sin}[\lambda]\left(-\frac{1}{2\,r\,r2}\,\mathrm{Cos}[3\,\lambda 1]\right.\right.\right.$$

$$\left(\left(2\left(r^2-2\,r\,r2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r2+r2^2}}\,\mathrm{EllipticE}\right.\right.$$

$$\left.\frac{\theta 3}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\Big)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\right)-$$

$$\left(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r2+r2^2}}\,\mathrm{EllipticF}\left[\frac{\theta 3}{2},\right.\right.$$

$$-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\Big)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\right)\Big)-$$

$$\left(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}\left(-r^2-r2^2+r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}+\right.\right.$$

$$\left.r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}\right)(1+2\,\mathrm{Cos}[2\,\lambda 1])\,\mathrm{Sin}[\lambda 1]\Big)\Big/$$

$$\left.\left(r\,r2\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\right)\right)\Bigg)+\mathrm{Cos}[\lambda]\,(-1+2\,\mathrm{Cos}[2\,\lambda])$$

$$\left(\left(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}\left(-r^2-r2^2+r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}+\right.\right.\right.$$

$$\left.r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}\right)\mathrm{Cos}[\lambda 1]$$

$$\left.(-1+2\,\mathrm{Cos}[2\,\lambda 1])\right)\Big/\left(r\,r2\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\right)-$$

$$\frac{1}{2\,r\,r2}\left(\left(2\left(r^2-2\,r\,r2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r2+r2^2}}\right.\right.$$

$$\left.\mathrm{EllipticE}\left[\frac{\theta 3}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\right)-$$

$$\left(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r2+r2^2}}\,\mathrm{EllipticF}\left[\frac{\theta 3}{2},\right.\right.$$

$$\left.\left.\left.-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\right)\right)\mathrm{Sin}[3\,\lambda 1]\Bigg)\Bigg)+$$

$$\frac{1}{r^2\left(r^2-r2^2\right)}\,8\,r2^5\left(-\left((1+2\,\mathrm{Cos}[2\,\lambda])\,\mathrm{Sin}[\lambda]\left(-\frac{1}{2\,r\,r2}\,\mathrm{Cos}[3\,\lambda 1]\right.\right.\right.$$

$$\left(\left(2\left(r^2-2\,r\,r2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r2+r2^2}}\,\mathrm{EllipticE}\Big[\right.\right.$$

$$\left.\frac{\theta 3}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\Big)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\right)-$$

$$\left(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r2+r2^2}}\,\mathrm{EllipticF}\left[\frac{\theta 3}{2},\right.\right.$$

$$-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\Big)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\right)\Big)-$$

$$\left(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}\left(-r^2-r2^2+r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}+\right.\right.$$

$$\left.r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}\right)(1+2\,\mathrm{Cos}[2\,\lambda 1])\,\mathrm{Sin}[\lambda 1]\Big)\Big/$$

$$\left.\left.\left(r\,r2\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\right)\right)\right)+\mathrm{Cos}[\lambda]\,(-1+2\,\mathrm{Cos}[2\,\lambda])$$

$$\left(\left(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}\left(-r^2-r2^2+r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}+\right.\right.\right.$$

$$\left.r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}\right)\mathrm{Cos}[\lambda 1]$$

$$\left.(-1+2\,\mathrm{Cos}[2\,\lambda 1])\right)\Big/\left(r\,r2\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\right)-$$

$$\frac{1}{2\,r\,r2}\left(\left(2\left(r^2-2\,r\,r2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r2+r2^2}}\right.\right.$$

$$\left.\mathrm{EllipticE}\left[\frac{\theta 3}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\right)-$$

$$\left(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r2+r2^2}}\,\mathrm{EllipticF}\left[\frac{\theta 3}{2},\right.\right.$$

$$\left.\left.\left.-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\right)\right)\mathrm{Sin}[3\,\lambda 1]\Big)\Big)+$$

$$\frac{1}{r^2-r2^2}\,32\,r^2\,r2\left((1+2\,\mathrm{Cos}[2\,\lambda])\,\mathrm{Sin}[\lambda]\left(-\frac{1}{2\,r\,r2}\,\mathrm{Cos}[3\,\lambda 1]\right.\right.$$

$$\left(\left(2\left(r^2-2\,r\,r2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r2+r2^2}}\right.\right.$$

$$\left.\mathrm{EllipticE}\left[\frac{\theta 3}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\right)-$$

$$\left(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r2+r2^2}}\,\mathrm{EllipticF}\left[\frac{\theta 3}{2},\right.\right.$$

$$-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\Big)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\right)\Big)+$$

$$\Bigg(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}\left(-r^2-r2^2+r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}+\right.$$

$$\left.r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}\right)(1+2\,\mathrm{Cos}[2\,\lambda 1])\,\mathrm{Sin}[\lambda 1]\Bigg)\Big/$$

$$\left(r\,r2\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\right)\Bigg)+\mathrm{Cos}[\lambda]\,(-1+2\,\mathrm{Cos}[2\,\lambda])$$

$$\Bigg(\Bigg(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}\left(-r^2-r2^2+r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}+\right.$$

$$\left.r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}\right)\mathrm{Cos}[\lambda 1]$$

$$(-1+2\,\mathrm{Cos}[2\,\lambda 1])\Bigg)\Big/\left(r\,r2\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\right)+$$

$$\frac{1}{2\,r\,r2}\Bigg(\Bigg(2\left(r^2-2\,r\,r2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r2+r2^2}}$$

$$\mathrm{EllipticE}\Big[\frac{\theta 3}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\Bigg)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\right)-$$

$$\Bigg(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r2+r2^2}}\,\mathrm{EllipticF}\Big[\frac{\theta 3}{2},$$

$$-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\Bigg)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\right)\Bigg)\,\mathrm{Sin}[3\,\lambda 1]\Bigg)\Bigg)-$$

$$\frac{1}{r^2-r2^2}\,12\,r2^3\Bigg((1+2\,\mathrm{Cos}[2\,\lambda])\,\mathrm{Sin}[\lambda]\Bigg(-\frac{1}{2\,r\,r2}\,\mathrm{Cos}[3\,\lambda 1]$$

$$\Bigg(\Bigg(2\left(r^2-2\,r\,r2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r2+r2^2}}$$

$$\mathrm{EllipticE}\Big[\frac{\theta 3}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\Bigg)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\right)-$$

$$\Bigg(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r2+r2^2}}\,\mathrm{EllipticF}\Big[\frac{\theta 3}{2},$$

$$-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\Big)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\right)\Big)+$$

$$\Bigg(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}\left(-r^2-r2^2+r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}+\right.$$

$$\left.r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}\right)(1+2\,\mathrm{Cos}[2\,\lambda 1])\,\mathrm{Sin}[\lambda 1]\Bigg)\Big/$$

$$\left(r\,r2\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\right)\Bigg)+\mathrm{Cos}[\lambda]\,(-1+2\,\mathrm{Cos}[2\,\lambda])$$

$$\Bigg(\Bigg(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}\left(-r^2-r2^2+r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}+\right.$$

$$\left.r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}\right)\mathrm{Cos}[\lambda 1]$$

$$(-1+2\,\mathrm{Cos}[2\,\lambda 1])\Bigg)\Big/\left(r\,r2\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\right)+$$

$$\frac{1}{2\,r\,r2}\Bigg(\Bigg(2\left(r^2-2\,r\,r2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r2+r2^2}}$$

$$\mathrm{EllipticE}\Big[\frac{\theta 3}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\Bigg)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\right)-$$

$$\Bigg(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r2+r2^2}}\,\mathrm{EllipticF}\Big[\frac{\theta 3}{2},$$

$$-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\Bigg)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\right)\Bigg)\,\mathrm{Sin}[3\,\lambda 1]\Bigg)\Bigg)-$$

$$\frac{1}{r^2\left(r^2-r2^2\right)}\,8\,r2^5\Bigg((1+2\,\mathrm{Cos}[2\,\lambda])\,\mathrm{Sin}[\lambda]\Bigg(-\frac{1}{2\,r\,r2}\,\mathrm{Cos}[3\,\lambda 1]$$

$$\Bigg(\Bigg(2\left(r^2-2\,r\,r2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r2+r2^2}}$$

$$\mathrm{EllipticE}\Big[\frac{\theta 3}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\Bigg)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\right)-$$

$$\Bigg(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r2+r2^2}}\,\mathrm{EllipticF}\Big[\frac{\theta 3}{2},$$

$$-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\Big)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\right)\Big)+$$

$$\Bigg(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}\left(-r^2-r2^2+r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}+\right.$$

$$\left.r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}\right)(1+2\,\mathrm{Cos}[2\,\lambda 1])\,\mathrm{Sin}[\lambda 1]\Bigg)\Big/$$

$$\left(r\,r2\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\right)\Bigg)+\mathrm{Cos}[\lambda]\,(-1+2\,\mathrm{Cos}[2\,\lambda])$$

$$\Bigg(\Bigg(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}\left(-r^2-r2^2+r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}+\right.$$

$$\left.r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}\right)\mathrm{Cos}[\lambda 1]$$

$$(-1+2\,\mathrm{Cos}[2\,\lambda 1])\Bigg)\Big/\left(r\,r2\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\right)+$$

$$\frac{1}{2\,r\,r2}\Bigg(\Bigg(2\left(r^2-2\,r\,r2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r2+r2^2}}$$

$$\mathrm{EllipticE}\Big[\frac{\theta 3}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\Bigg)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\right)-$$

$$\Bigg(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r2+r2^2}}\,\mathrm{EllipticF}\Big[\frac{\theta 3}{2},$$

$$-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\Bigg)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\right)\Bigg)\,\mathrm{Sin}[3\,\lambda 1]\Bigg)\Bigg)-$$

$$\frac{64\,r\,r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r1+r1^2}}\,\mathrm{EllipticF}\Big[\frac{\theta 3}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\,\mathrm{Sin}[3\,\lambda-3\,\lambda 2]}{\left(r^2-r1^2\right)\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}}+$$

$$\frac{16\,r1^4\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r1+r1^2}}\,\mathrm{EllipticF}\Big[\frac{\theta 3}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\,\mathrm{Sin}[3\,\lambda-3\,\lambda 2]}{r\left(r^2-r1^2\right)\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}}+$$

$$\frac{64\,r\,r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r2+r2^2}}\,\mathrm{EllipticF}\Big[\frac{\theta 3}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\,\mathrm{Sin}[3\,\lambda-3\,\lambda 2]}{\left(r^2-r2^2\right)\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}}-$$

$$\frac{16\, r2^4 \sqrt{\frac{r^2+r2^2-2\, r\, r2\, \mathrm{Cos}[\theta 3]}{r^2-2\, r\, r2+r2^2}}\ \mathrm{EllipticF}\left[\frac{\theta 3}{2}, -\frac{4\, r\, r2}{r^2-2\, r\, r2+r2^2}\right] \mathrm{Sin}[3\,\lambda - 3\,\lambda 2]}{r\left(r^2-r2^2\right)\sqrt{r^2+r2^2-2\, r\, r2\, \mathrm{Cos}[\theta 3]}} +$$

$$\frac{144\, r1^4 \sqrt{\frac{r^2+r1^2-2\, r\, r1\, \mathrm{Cos}[\theta 3]}{r^2-2\, r\, r1+r1^2}}\ \mathrm{EllipticF}\left[\frac{\theta 3}{2}, -\frac{4\, r\, r1}{r^2-2\, r\, r1+r1^2}\right] \mathrm{Sin}[\lambda - \lambda 2]}{r\left(r^2-r1^2\right)\sqrt{r^2+r1^2-2\, r\, r1\, \mathrm{Cos}[\theta 3]}} -$$

$$\frac{144\, r2^4 \sqrt{\frac{r^2+r2^2-2\, r\, r2\, \mathrm{Cos}[\theta 3]}{r^2-2\, r\, r2+r2^2}}\ \mathrm{EllipticF}\left[\frac{\theta 3}{2}, -\frac{4\, r\, r2}{r^2-2\, r\, r2+r2^2}\right] \mathrm{Sin}[\lambda - \lambda 2]}{r\left(r^2-r2^2\right)\sqrt{r^2+r2^2-2\, r\, r2\, \mathrm{Cos}[\theta 3]}} -$$

$$\frac{1}{r^2-r1^2}$$

$$36$$

$$r1^3$$

$$\Bigg(-\mathrm{Sin}[\lambda]$$

$$\Bigg(-\frac{1}{2\, r\, r1}\ \mathrm{Cos}[\lambda 2]\ \Bigg(\Bigg(2\left(r^2-2\, r\, r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\, r\, r1\, \mathrm{Cos}[\theta 3]}{r^2-2\, r\, r1+r1^2}}$$

$$\mathrm{EllipticE}\left[\frac{\theta 3}{2}, -\frac{4\, r\, r1}{r^2-2\, r\, r1+r1^2}\right]\Bigg) \Big/ \left(\sqrt{r^2+r1^2-2\, r\, r1\, \mathrm{Cos}[\theta 3]}\right) -$$

$$\Bigg(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\, r\, r1\, \mathrm{Cos}[\theta 3]}{r^2-2\, r\, r1+r1^2}}\ \mathrm{EllipticF}\Big[\frac{\theta 3}{2},$$

$$-\frac{4\, r\, r1}{r^2-2\, r\, r1+r1^2}\Big]\Bigg) \Big/ \left(\sqrt{r^2+r1^2-2\, r\, r1\, \mathrm{Cos}[\theta 3]}\right)\Bigg) -$$

$$\Bigg(\sqrt{\frac{r^2+r1^2-2\, r\, r1\, \mathrm{Cos}[\theta 3]}{r^2+r1^2}}\ \Bigg(-r^2-r1^2+r^2\sqrt{\frac{r^2+r1^2-2\, r\, r1\, \mathrm{Cos}[\theta 3]}{r^2+r1^2}} +$$

$$r1^2\sqrt{\frac{r^2+r1^2-2\, r\, r1\, \mathrm{Cos}[\theta 3]}{r^2+r1^2}}\Bigg)\ \mathrm{Sin}[\lambda 2]\Bigg) \Big/$$

$$\left(r\, r1\sqrt{r^2+r1^2-2\, r\, r1\, \mathrm{Cos}[\theta 3]}\right)\Bigg) + \mathrm{Cos}[\lambda]$$

$$\Bigg(\Bigg(\sqrt{\frac{r^2+r1^2-2\, r\, r1\, \mathrm{Cos}[\theta 3]}{r^2+r1^2}}\ \Bigg(-r^2-r1^2+r^2\sqrt{\frac{r^2+r1^2-2\, r\, r1\, \mathrm{Cos}[\theta 3]}{r^2+r1^2}} +$$

$$r1^2\sqrt{\frac{r^2+r1^2-2\, r\, r1\, \mathrm{Cos}[\theta 3]}{r^2+r1^2}}\Bigg)$$

$$\text{Cos}[\lambda 2]\Big)\Big/\Big(r\,r1\,\sqrt{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 3]}\Big)-$$

$$\frac{1}{2\,r\,r1}\Bigg(\Bigg(2\,\left(r^2-2\,r\,r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 3]}{r^2-2\,r\,r1+r1^2}}\,\text{EllipticE}\Big[\frac{\theta 3}{2},$$

$$-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Bigg)\Big/\Big(\sqrt{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 3]}\Big)-\Bigg(2\,\left(r^2+r1^2\right)$$

$$\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 3]}{r^2-2\,r\,r1+r1^2}}\,\text{EllipticF}\Big[\frac{\theta 3}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Bigg)\Big/$$

$$\Big(\sqrt{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 3]}\Big)\Bigg)\,\text{Sin}[\lambda 2]\Bigg)\Bigg)+\frac{1}{r^2\,\left(r^2-r1^2\right)}$$

$$72\,r1^5\Bigg(-\text{Sin}[\lambda]\Bigg(-\frac{1}{2\,r\,r1}\,\text{Cos}[\lambda 2]\Bigg(\Bigg(2\,\left(r^2-2\,r\,r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 3]}{r^2-2\,r\,r1+r1^2}}$$

$$\text{EllipticE}\Big[\frac{\theta 3}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Bigg)\Big/\Big(\sqrt{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 3]}\Big)-$$

$$\Bigg(2\,\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 3]}{r^2-2\,r\,r1+r1^2}}\,\text{EllipticF}\Big[\frac{\theta 3}{2},$$

$$-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Bigg)\Big/\Big(\sqrt{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 3]}\Big)\Bigg)-$$

$$\Bigg(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 3]}{r^2+r1^2}}\,\Bigg(-r^2-r1^2+r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 3]}{r^2+r1^2}}+$$

$$r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 3]}{r^2+r1^2}}\Bigg)\,\text{Sin}[\lambda 2]\Bigg)\Big/$$

$$\Big(r\,r1\,\sqrt{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 3]}\Big)\Bigg)+\text{Cos}[\lambda]$$

$$\Bigg(\Bigg(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 3]}{r^2+r1^2}}\,\Bigg(-r^2-r1^2+r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 3]}{r^2+r1^2}}+$$

$$r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 3]}{r^2+r1^2}}\Bigg)$$

$$\text{Cos}[\lambda 2]\Bigg)\Big/\Big(r\,r1\,\sqrt{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 3]}\Big)-$$

$$\frac{1}{2\,r\,r1}\left(\left(2\left(r^2-2\,r\,r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticE}\left[\frac{\theta 3}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\right)-\left(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticF}\left[\frac{\theta 3}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\right)\right)\mathrm{Sin}[\lambda 2]\right)\Bigg)+\frac{1}{r^2-r1^2}$$

$$36\,r1^3\left(\mathrm{Sin}[\lambda]\left(-\frac{1}{2\,r\,r1}\,\mathrm{Cos}[\lambda 2]\left(\left(2\left(r^2-2\,r\,r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticE}\left[\frac{\theta 3}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\right)-\left(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticF}\left[\frac{\theta 3}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\right)\right)+\left(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}\left(-r^2-r1^2+r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}+r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}\right)\mathrm{Sin}[\lambda 2]\right)\Big/\left(r\,r1\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\right)\right)+\mathrm{Cos}[\lambda]\left(\left(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}\left(-r^2-r1^2+r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}+r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}\right)\right.\right.$$

$$\mathrm{Cos}[\lambda 2]\Big)\Big/\left(r\,r1\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\right)+$$

$$\frac{1}{2\,r\,r1}\left(\left(2\left(r^2-2\,r\,r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticE}\left[\frac{\theta 3}{2},\right.\right.\right.$$

$$-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Big)\Big/\Big(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\Big)-\Big(2\,(r^2+r1^2)$$

$$\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticF}\Big[\frac{\theta 3}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Big)\Big/$$

$$\Big(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\Big)\Big)\,\mathrm{Sin}[\lambda 2]\Big)\Big)-\frac{1}{r^2\,(r^2-r1^2)}$$

$$72\,r1^5\Big(\mathrm{Sin}[\lambda]\Big(-\frac{1}{2\,r\,r1}\,\mathrm{Cos}[\lambda 2]\Big(\Big(2\,(r^2-2\,r\,r1+r1^2)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r1+r1^2}}$$

$$\mathrm{EllipticE}\Big[\frac{\theta 3}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Big)\Big/\Big(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\Big)-$$

$$\Big(2\,(r^2+r1^2)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticF}\Big[\frac{\theta 3}{2},$$

$$-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Big)\Big/\Big(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\Big)\Big)+$$

$$\Big(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}\Big(-r^2-r1^2+r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}+$$

$$r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}\Big)\,\mathrm{Sin}[\lambda 2]\Big)\Big/$$

$$\Big(r\,r1\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\Big)\Big)+\mathrm{Cos}[\lambda]$$

$$\Big(\Big(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}\Big(-r^2-r1^2+r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}+$$

$$r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}\Big)$$

$$\mathrm{Cos}[\lambda 2]\Big)\Big/\Big(r\,r1\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\Big)+$$

$$\frac{1}{2\,r\,r1}\Big(\Big(2\,(r^2-2\,r\,r1+r1^2)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticE}\Big[\frac{\theta 3}{2},$$

$$-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Big)\Big/\Big(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\Big)-\Big(2\,(r^2+r1^2)$$

$$\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticF}\left[\frac{\theta 3}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\Bigg)\Bigg/$$

$$\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\right)\Bigg)\,\mathrm{Sin}[\lambda 2]\Bigg)\Bigg)+\frac{1}{r^2-r2^2}$$

$$36\,r2^3\Bigg(-\mathrm{Sin}[\lambda]\Bigg(-\frac{1}{2\,r\,r2}\,\mathrm{Cos}[\lambda 2]\Bigg(\Bigg(2\left(r^2-2\,r\,r2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r2+r2^2}}$$

$$\mathrm{EllipticE}\left[\frac{\theta 3}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\Bigg)\Bigg/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\right)-$$

$$\Bigg(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticF}\Bigg[\frac{\theta 3}{2},$$

$$-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Bigg]\Bigg)\Bigg/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\right)\Bigg)-$$

$$\Bigg(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}\Bigg(-r^2-r2^2+r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}+$$

$$r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}\Bigg)\,\mathrm{Sin}[\lambda 2]\Bigg)\Bigg/$$

$$\left(r\,r2\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\right)\Bigg)+\mathrm{Cos}[\lambda]$$

$$\Bigg(\Bigg(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}\Bigg(-r^2-r2^2+r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}+$$

$$r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}\Bigg)$$

$$\mathrm{Cos}[\lambda 2]\Bigg)\Bigg/\left(r\,r2\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\right)-$$

$$\frac{1}{2\,r\,r2}\Bigg(\Bigg(2\left(r^2-2\,r\,r2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticE}\Bigg[\frac{\theta 3}{2},$$

$$-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Bigg]\Bigg)\Bigg/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\right)-\Bigg(2\left(r^2+r2^2\right)$$

$$\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticF}\left[\frac{\theta 3}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\Bigg)\Bigg/$$

$$\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\right)\Bigg)\,\mathrm{Sin}[\lambda 2]\Bigg)\Bigg)-\frac{1}{r^2\left(r^2-r2^2\right)}$$

$$72\,r2^5\Bigg(-\mathrm{Sin}[\lambda]\Bigg(-\frac{1}{2\,r\,r2}\,\mathrm{Cos}[\lambda 2]\Bigg(\Bigg(2\left(r^2-2\,r\,r2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r2+r2^2}}$$

$$\mathrm{EllipticE}\left[\frac{\theta 3}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\Bigg)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\right)-$$

$$\Bigg(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticF}\left[\frac{\theta 3}{2},\right.$$

$$\left.-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\Bigg)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\right)\Bigg)-$$

$$\Bigg(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}\Bigg(-r^2-r2^2+r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}+$$

$$r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}\Bigg)\,\mathrm{Sin}[\lambda 2]\Bigg)\Big/$$

$$\left(r\,r2\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\right)\Bigg)+\mathrm{Cos}[\lambda]$$

$$\Bigg(\Bigg(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}\Bigg(-r^2-r2^2+r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}+$$

$$r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}\Bigg)$$

$$\mathrm{Cos}[\lambda 2]\Bigg)\Big/\left(r\,r2\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\right)-$$

$$\frac{1}{2\,r\,r2}\Bigg(\Bigg(2\left(r^2-2\,r\,r2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticE}\left[\frac{\theta 3}{2},\right.$$

$$\left.-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\Bigg)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\right)-\Bigg(2\left(r^2+r2^2\right)$$

$$\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticF}\left[\frac{\theta 3}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\Bigg)\Big/$$

$$\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\right)\Bigg)\,\mathrm{Sin}[\lambda 2]\Bigg)\Bigg)-\frac{1}{r^2-r2^2}$$

$$36\, r2^3 \left(\mathrm{Sin}[\lambda] \left(-\frac{1}{2\, r\, r2} \mathrm{Cos}[\lambda 2] \left(\left(2 \left(r^2 - 2\, r\, r2 + r2^2\right) \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}{r^2 - 2\, r\, r2 + r2^2}}\right.\right.\right.\right.$$

$$\left.\mathrm{EllipticE}\left[\frac{\theta 3}{2}, -\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\right]\right) \Big/ \left(\sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}\right) -$$

$$\left(2 \left(r^2 + r2^2\right) \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}{r^2 - 2\, r\, r2 + r2^2}}\, \mathrm{EllipticF}\left[\frac{\theta 3}{2},\right.\right.$$

$$\left.\left.\left.-\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\right]\right) \Big/ \left(\sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}\right)\right) +$$

$$\left(\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}{r^2 + r2^2}} \left(-r^2 - r2^2 + r^2 \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}{r^2 + r2^2}} +\right.\right.$$

$$\left.\left. r2^2 \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}{r^2 + r2^2}}\right) \mathrm{Sin}[\lambda 2]\right) \Big/$$

$$\left.\left(r\, r2 \sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}\right)\right) + \mathrm{Cos}[\lambda]$$

$$\left(\left(\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}{r^2 + r2^2}} \left(-r^2 - r2^2 + r^2 \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}{r^2 + r2^2}} +\right.\right.\right.$$

$$\left.\left. r2^2 \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}{r^2 + r2^2}}\right)$$

$$\left.\mathrm{Cos}[\lambda 2]\right) \Big/ \left(r\, r2 \sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}\right) +$$

$$\frac{1}{2\, r\, r2} \left(\left(2 \left(r^2 - 2\, r\, r2 + r2^2\right) \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}{r^2 - 2\, r\, r2 + r2^2}}\, \mathrm{EllipticE}\left[\frac{\theta 3}{2},\right.\right.\right.$$

$$\left.\left.-\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\right]\right) \Big/ \left(\sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}\right) - \left(2 \left(r^2 + r2^2\right)\right.$$

$$\left.\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}{r^2 - 2\, r\, r2 + r2^2}}\, \mathrm{EllipticF}\left[\frac{\theta 3}{2}, -\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\right]\right) \Big/$$

$$\left.\left.\left.\left(\sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}\right)\right) \mathrm{Sin}[\lambda 2]\right)\right) + \frac{1}{r^2 \left(r^2 - r2^2\right)}$$

$$72\, r2^5 \left(\mathrm{Sin}[\lambda] \left(-\frac{1}{2\, r\, r2} \mathrm{Cos}[\lambda 2] \left(\left(2 \left(r^2 - 2\, r\, r2 + r2^2\right) \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}{r^2 - 2\, r\, r2 + r2^2}}\right.\right.\right.\right.$$

$$\text{EllipticE}\left[\frac{\theta 3}{2}, -\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\right]\Bigg) \Big/ \left(\sqrt{r^2 + r2^2 - 2\, r\, r2\, \text{Cos}[\theta 3]}\right) -$$

$$\left(2\left(r^2 + r2^2\right)\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \text{Cos}[\theta 3]}{r^2 - 2\, r\, r2 + r2^2}}\ \text{EllipticF}\left[\frac{\theta 3}{2},\right.\right.$$

$$\left.\left.-\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\right]\right) \Big/ \left(\sqrt{r^2 + r2^2 - 2\, r\, r2\, \text{Cos}[\theta 3]}\right)\Bigg) +$$

$$\left(\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \text{Cos}[\theta 3]}{r^2 + r2^2}}\left(-r^2 - r2^2 + r^2\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \text{Cos}[\theta 3]}{r^2 + r2^2}} +\right.\right.$$

$$\left.\left. r2^2\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \text{Cos}[\theta 3]}{r^2 + r2^2}}\right)\text{Sin}[\lambda 2]\right) \Big/$$

$$\left(r\, r2\sqrt{r^2 + r2^2 - 2\, r\, r2\, \text{Cos}[\theta 3]}\right)\Bigg) + \text{Cos}[\lambda]$$

$$\left(\left(\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \text{Cos}[\theta 3]}{r^2 + r2^2}}\left(-r^2 - r2^2 + r^2\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \text{Cos}[\theta 3]}{r^2 + r2^2}} +\right.\right.\right.$$

$$\left.\left. r2^2\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \text{Cos}[\theta 3]}{r^2 + r2^2}}\right)$$

$$\left.\text{Cos}[\lambda 2]\right) \Big/ \left(r\, r2\sqrt{r^2 + r2^2 - 2\, r\, r2\, \text{Cos}[\theta 3]}\right) +$$

$$\frac{1}{2\, r\, r2}\left(\left(2\left(r^2 - 2\, r\, r2 + r2^2\right)\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \text{Cos}[\theta 3]}{r^2 - 2\, r\, r2 + r2^2}}\right.\right.$$

$$\left.\text{EllipticE}\left[\frac{\theta 3}{2}, -\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\right]\right) \Big/ \left(\sqrt{r^2 + r2^2 - 2\, r\, r2\, \text{Cos}[\theta 3]}\right) -$$

$$\left(2\left(r^2 + r2^2\right)\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \text{Cos}[\theta 3]}{r^2 - 2\, r\, r2 + r2^2}}\ \text{EllipticF}\left[\frac{\theta 3}{2},\right.\right.$$

$$\left.\left.\left.-\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\right]\right) \Big/ \left(\sqrt{r^2 + r2^2 - 2\, r\, r2\, \text{Cos}[\theta 3]}\right)\right)\text{Sin}[\lambda 2]\right)\Bigg) -$$

$$\frac{1}{r^2 - r1^2}\, 32\, r^2\, r1\left(-\left((1 + 2\,\text{Cos}[2\,\lambda])\,\text{Sin}[\lambda]\left(-\frac{1}{2\, r\, r1}\,\text{Cos}[3\,\lambda 2]\right.\right.\right.$$

$$\left.\left.\left(\left(2\left(r^2 - 2\, r\, r1 + r1^2\right)\sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \text{Cos}[\theta 3]}{r^2 - 2\, r\, r1 + r1^2}}\ \text{EllipticE}\right[\right.\right.\right.$$

$$\frac{\theta 3}{2}, -\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Big)\Big/\Big(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\Big)-$$

$$\Big(2\,(r^2+r1^2)\,\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticF}\Big[\frac{\theta 3}{2},$$

$$-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Big)\Big/\Big(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\Big)\Big)-$$

$$\Big(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}\;\Big(-r^2-r1^2+r^2\,\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}+$$

$$r1^2\,\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}\Big)\,(1+2\,\mathrm{Cos}[2\,\lambda 2])\,\mathrm{Sin}[\lambda 2]\Big)\Big/$$

$$\Big(r\,r1\,\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\Big)\Big)\Big)+\mathrm{Cos}[\lambda]\,(-1+2\,\mathrm{Cos}[2\,\lambda])$$

$$\Big(\Big(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}\;\Big(-r^2-r1^2+r^2\,\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}+$$

$$r1^2\,\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}\Big)\,\mathrm{Cos}[\lambda 2]$$

$$(-1+2\,\mathrm{Cos}[2\,\lambda 2])\Big)\Big/\Big(r\,r1\,\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\Big)-$$

$$\frac{1}{2\,r\,r1}\Big(\Big(2\,(r^2-2\,r\,r1+r1^2)\,\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r1+r1^2}}$$

$$\mathrm{EllipticE}\Big[\frac{\theta 3}{2}, -\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Big)\Big/\Big(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\Big)-$$

$$\Big(2\,(r^2+r1^2)\,\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticF}\Big[\frac{\theta 3}{2},$$

$$-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Big)\Big/\Big(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\Big)\Big)\,\mathrm{Sin}[3\,\lambda 2]\Big)\Big)+$$

$$\frac{1}{r^2-r1^2}\,12\,r1^3\,\Big(-\Big((1+2\,\mathrm{Cos}[2\,\lambda])\,\mathrm{Sin}[\lambda]\,\Big(-\frac{1}{2\,r\,r1}\,\mathrm{Cos}[3\,\lambda 2]$$

$$\Big(\Big(2\,(r^2-2\,r\,r1+r1^2)\,\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticE}\Big[$$

$$\frac{\theta 3}{2}, -\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Big)\Big/\Big(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\Big)-$$

$$\Big(2\,(r^2+r1^2)\,\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticF}\Big[\frac{\theta 3}{2},$$

$$-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Big)\Big/\Big(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\Big)\Big)-$$

$$\Big(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}\;\Big(-r^2-r1^2+r^2\,\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}+$$

$$r1^2\,\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}\Big)\,(1+2\,\mathrm{Cos}[2\,\lambda 2])\,\mathrm{Sin}[\lambda 2]\Big)\Big/$$

$$\Big(r\,r1\,\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\Big)\Big)\Big)+\mathrm{Cos}[\lambda]\,(-1+2\,\mathrm{Cos}[2\,\lambda])$$

$$\Big(\Big(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}\;\Big(-r^2-r1^2+r^2\,\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}+$$

$$r1^2\,\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}\Big)\,\mathrm{Cos}[\lambda 2]$$

$$(-1+2\,\mathrm{Cos}[2\,\lambda 2])\Big)\Big/\Big(r\,r1\,\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\Big)-$$

$$\frac{1}{2\,r\,r1}\Big(\Big(2\,(r^2-2\,r\,r1+r1^2)\,\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r1+r1^2}}$$

$$\mathrm{EllipticE}\Big[\frac{\theta 3}{2}, -\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Big)\Big/\Big(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\Big)-$$

$$\Big(2\,(r^2+r1^2)\,\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticF}\Big[\frac{\theta 3}{2},$$

$$-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Big)\Big/\Big(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\Big)\Big)\,\mathrm{Sin}[3\,\lambda 2]\Big)\Big)+$$

$$\frac{1}{r^2\,(r^2-r1^2)}\,8\,r1^5\,\Big(-\Big((1+2\,\mathrm{Cos}[2\,\lambda])\,\mathrm{Sin}[\lambda]\,\Big(-\frac{1}{2\,r\,r1}\,\mathrm{Cos}[3\,\lambda 2]$$

$$\Big(\Big(2\,(r^2-2\,r\,r1+r1^2)\,\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticE}\Big[$$

$$\frac{\theta 3}{2}, -\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Big)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\right)-$$

$$\left(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticF}\Big[\frac{\theta 3}{2},\right.$$

$$\left.-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\right)\Bigg)-$$

$$\left(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}\left(-r^2-r1^2+r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}+\right.\right.$$

$$\left.r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}\right)(1+2\,\mathrm{Cos}[2\,\lambda 2])\,\mathrm{Sin}[\lambda 2]\Big)\Big/$$

$$\left.\left(r\,r1\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\right)\right)\Bigg)+\mathrm{Cos}[\lambda]\,(-1+2\,\mathrm{Cos}[2\,\lambda])$$

$$\left(\left(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}\left(-r^2-r1^2+r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}+\right.\right.\right.$$

$$\left.r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}\right)\mathrm{Cos}[\lambda 2]$$

$$\left.(-1+2\,\mathrm{Cos}[2\,\lambda 2])\right)\Big/\left(r\,r1\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\right)-$$

$$\frac{1}{2\,r\,r1}\left(\left(2\left(r^2-2\,r\,r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r1+r1^2}}\right.\right.$$

$$\mathrm{EllipticE}\Big[\frac{\theta 3}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Big)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\right)-$$

$$\left(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticF}\Big[\frac{\theta 3}{2},\right.$$

$$\left.\left.-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\right)\right)\mathrm{Sin}[3\,\lambda 2]\Bigg)\Bigg)+$$

$$\frac{1}{r^2-r1^2}\,32\,r^2\,r1\left((1+2\,\mathrm{Cos}[2\,\lambda])\,\mathrm{Sin}[\lambda]\left(-\frac{1}{2\,r\,r1}\,\mathrm{Cos}[3\,\lambda 2]\right.\right.$$

$$\left(\left(2\left(r^2-2\,r\,r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r1+r1^2}}\right.\right.$$

$$\text{EllipticE}\left[\frac{\theta 3}{2}, -\frac{4\, r\, r1}{r^2 - 2\, r\, r1 + r1^2}\right]\Bigg) \Big/ \left(\sqrt{r^2 + r1^2 - 2\, r\, r1\, \text{Cos}[\theta 3]}\right) -$$

$$\left(2\left(r^2 + r1^2\right)\sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \text{Cos}[\theta 3]}{r^2 - 2\, r\, r1 + r1^2}}\ \text{EllipticF}\left[\frac{\theta 3}{2},\right.\right.$$

$$\left.\left. -\frac{4\, r\, r1}{r^2 - 2\, r\, r1 + r1^2}\right]\right) \Big/ \left(\sqrt{r^2 + r1^2 - 2\, r\, r1\, \text{Cos}[\theta 3]}\right)\Bigg) +$$

$$\left(\sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \text{Cos}[\theta 3]}{r^2 + r1^2}}\left(-r^2 - r1^2 + r^2\sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \text{Cos}[\theta 3]}{r^2 + r1^2}} +\right.\right.$$

$$\left.\left. r1^2\sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \text{Cos}[\theta 3]}{r^2 + r1^2}}\right)(1 + 2\,\text{Cos}[2\,\lambda 2])\,\text{Sin}[\lambda 2]\right) \Big/$$

$$\left(r\, r1\sqrt{r^2 + r1^2 - 2\, r\, r1\, \text{Cos}[\theta 3]}\right)\Bigg) + \text{Cos}[\lambda]\,(-1 + 2\,\text{Cos}[2\,\lambda])$$

$$\left(\left(\sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \text{Cos}[\theta 3]}{r^2 + r1^2}}\left(-r^2 - r1^2 + r^2\sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \text{Cos}[\theta 3]}{r^2 + r1^2}} +\right.\right.\right.$$

$$\left.\left. r1^2\sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \text{Cos}[\theta 3]}{r^2 + r1^2}}\right)\text{Cos}[\lambda 2]$$

$$\left.(-1 + 2\,\text{Cos}[2\,\lambda 2])\right) \Big/ \left(r\, r1\sqrt{r^2 + r1^2 - 2\, r\, r1\, \text{Cos}[\theta 3]}\right) +$$

$$\frac{1}{2\, r\, r1}\left(\left(2\left(r^2 - 2\, r\, r1 + r1^2\right)\sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \text{Cos}[\theta 3]}{r^2 - 2\, r\, r1 + r1^2}}\right.\right.$$

$$\text{EllipticE}\left[\frac{\theta 3}{2}, -\frac{4\, r\, r1}{r^2 - 2\, r\, r1 + r1^2}\right]\Bigg) \Big/ \left(\sqrt{r^2 + r1^2 - 2\, r\, r1\, \text{Cos}[\theta 3]}\right) -$$

$$\left(2\left(r^2 + r1^2\right)\sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \text{Cos}[\theta 3]}{r^2 - 2\, r\, r1 + r1^2}}\ \text{EllipticF}\left[\frac{\theta 3}{2},\right.\right.$$

$$\left.\left. -\frac{4\, r\, r1}{r^2 - 2\, r\, r1 + r1^2}\right]\right) \Big/ \left(\sqrt{r^2 + r1^2 - 2\, r\, r1\, \text{Cos}[\theta 3]}\right)\Bigg)\ \text{Sin}[3\,\lambda 2]\Bigg)\Bigg) -$$

$$\frac{1}{r^2 - r1^2}\ 12\, r1^3\left((1 + 2\,\text{Cos}[2\,\lambda])\,\text{Sin}[\lambda]\left(-\frac{1}{2\, r\, r1}\,\text{Cos}[3\,\lambda 2]\right.\right.$$

$$\left(\left(2\left(r^2 - 2\, r\, r1 + r1^2\right)\sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \text{Cos}[\theta 3]}{r^2 - 2\, r\, r1 + r1^2}}\right.\right.$$

$$\text{EllipticE}\left[\frac{\theta 3}{2}, -\frac{4\, r\, r1}{r^2 - 2\, r\, r1 + r1^2}\right]\Bigg) \Big/ \left(\sqrt{r^2 + r1^2 - 2\, r\, r1\, \text{Cos}[\theta 3]}\right) -$$

$$\left(2\left(r^2 + r1^2\right)\sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \text{Cos}[\theta 3]}{r^2 - 2\, r\, r1 + r1^2}}\ \text{EllipticF}\left[\frac{\theta 3}{2},\right.\right.$$

$$\left.\left.-\frac{4\, r\, r1}{r^2 - 2\, r\, r1 + r1^2}\right]\right) \Big/ \left(\sqrt{r^2 + r1^2 - 2\, r\, r1\, \text{Cos}[\theta 3]}\right)\Bigg) +$$

$$\left(\sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \text{Cos}[\theta 3]}{r^2 + r1^2}}\left(-r^2 - r1^2 + r^2\sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \text{Cos}[\theta 3]}{r^2 + r1^2}} +\right.\right.$$

$$\left.r1^2\sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \text{Cos}[\theta 3]}{r^2 + r1^2}}\right)(1 + 2\,\text{Cos}[2\,\lambda 2])\,\text{Sin}[\lambda 2]\Bigg) \Big/$$

$$\left.\left(r\, r1\sqrt{r^2 + r1^2 - 2\, r\, r1\, \text{Cos}[\theta 3]}\right)\right) + \text{Cos}[\lambda]\,(-1 + 2\,\text{Cos}[2\,\lambda])$$

$$\left(\left(\sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \text{Cos}[\theta 3]}{r^2 + r1^2}}\left(-r^2 - r1^2 + r^2\sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \text{Cos}[\theta 3]}{r^2 + r1^2}} +\right.\right.\right.$$

$$\left.r1^2\sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \text{Cos}[\theta 3]}{r^2 + r1^2}}\right)\text{Cos}[\lambda 2]$$

$$\left.(-1 + 2\,\text{Cos}[2\,\lambda 2])\right) \Big/ \left(r\, r1\sqrt{r^2 + r1^2 - 2\, r\, r1\, \text{Cos}[\theta 3]}\right) +$$

$$\frac{1}{2\, r\, r1}\left(\left(2\left(r^2 - 2\, r\, r1 + r1^2\right)\sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \text{Cos}[\theta 3]}{r^2 - 2\, r\, r1 + r1^2}}\right.\right.$$

$$\text{EllipticE}\left[\frac{\theta 3}{2}, -\frac{4\, r\, r1}{r^2 - 2\, r\, r1 + r1^2}\right]\Bigg) \Big/ \left(\sqrt{r^2 + r1^2 - 2\, r\, r1\, \text{Cos}[\theta 3]}\right) -$$

$$\left(2\left(r^2 + r1^2\right)\sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \text{Cos}[\theta 3]}{r^2 - 2\, r\, r1 + r1^2}}\ \text{EllipticF}\left[\frac{\theta 3}{2},\right.\right.$$

$$\left.\left.\left.-\frac{4\, r\, r1}{r^2 - 2\, r\, r1 + r1^2}\right]\right) \Big/ \left(\sqrt{r^2 + r1^2 - 2\, r\, r1\, \text{Cos}[\theta 3]}\right)\right)\text{Sin}[3\,\lambda 2]\right)\right) -$$

$$\frac{1}{r^2\left(r^2 - r1^2\right)}\, 8\, r1^5\left((1 + 2\,\text{Cos}[2\,\lambda])\,\text{Sin}[\lambda]\left(-\frac{1}{2\, r\, r1}\,\text{Cos}[3\,\lambda 2]\right.\right.$$

$$\left(\left(2\left(r^2 - 2\, r\, r1 + r1^2\right)\sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \text{Cos}[\theta 3]}{r^2 - 2\, r\, r1 + r1^2}}\right.\right.$$

$$\text{EllipticE}\left[\frac{\theta 3}{2}, -\frac{4\, r\, r1}{r^2 - 2\, r\, r1 + r1^2}\right]\Bigg) \Big/ \left(\sqrt{r^2 + r1^2 - 2\, r\, r1\, \text{Cos}[\theta 3]}\right) -$$

$$\left(2\left(r^2 + r1^2\right)\sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \text{Cos}[\theta 3]}{r^2 - 2\, r\, r1 + r1^2}}\ \text{EllipticF}\left[\frac{\theta 3}{2},\right.\right.$$

$$\left.\left.-\frac{4\, r\, r1}{r^2 - 2\, r\, r1 + r1^2}\right]\right) \Big/ \left(\sqrt{r^2 + r1^2 - 2\, r\, r1\, \text{Cos}[\theta 3]}\right)\Bigg) +$$

$$\left(\sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \text{Cos}[\theta 3]}{r^2 + r1^2}}\left(-r^2 - r1^2 + r^2\sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \text{Cos}[\theta 3]}{r^2 + r1^2}} +\right.\right.$$

$$\left.\left. r1^2\sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \text{Cos}[\theta 3]}{r^2 + r1^2}}\right)(1 + 2\,\text{Cos}[2\,\lambda 2])\,\text{Sin}[\lambda 2]\right) \Big/$$

$$\left(r\, r1\sqrt{r^2 + r1^2 - 2\, r\, r1\, \text{Cos}[\theta 3]}\right)\Bigg) + \text{Cos}[\lambda]\,(-1 + 2\,\text{Cos}[2\,\lambda])$$

$$\left(\left(\sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \text{Cos}[\theta 3]}{r^2 + r1^2}}\left(-r^2 - r1^2 + r^2\sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \text{Cos}[\theta 3]}{r^2 + r1^2}} +\right.\right.\right.$$

$$\left.\left. r1^2\sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \text{Cos}[\theta 3]}{r^2 + r1^2}}\right)\text{Cos}[\lambda 2]$$

$$\left.(-1 + 2\,\text{Cos}[2\,\lambda 2])\right) \Big/ \left(r\, r1\sqrt{r^2 + r1^2 - 2\, r\, r1\, \text{Cos}[\theta 3]}\right) +$$

$$\frac{1}{2\, r\, r1}\left(\left(2\left(r^2 - 2\, r\, r1 + r1^2\right)\sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \text{Cos}[\theta 3]}{r^2 - 2\, r\, r1 + r1^2}}\right.\right.$$

$$\text{EllipticE}\left[\frac{\theta 3}{2}, -\frac{4\, r\, r1}{r^2 - 2\, r\, r1 + r1^2}\right]\Bigg) \Big/ \left(\sqrt{r^2 + r1^2 - 2\, r\, r1\, \text{Cos}[\theta 3]}\right) -$$

$$\left(2\left(r^2 + r1^2\right)\sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \text{Cos}[\theta 3]}{r^2 - 2\, r\, r1 + r1^2}}\ \text{EllipticF}\left[\frac{\theta 3}{2},\right.\right.$$

$$\left.\left.\left.-\frac{4\, r\, r1}{r^2 - 2\, r\, r1 + r1^2}\right]\right) \Big/ \left(\sqrt{r^2 + r1^2 - 2\, r\, r1\, \text{Cos}[\theta 3]}\right)\right)\text{Sin}[3\,\lambda 2]\right)\Bigg) +$$

$$\frac{1}{r^2 - r2^2}\, 32\, r^2\, r2\left(-\left((1 + 2\,\text{Cos}[2\,\lambda])\,\text{Sin}[\lambda]\left(-\frac{1}{2\, r\, r2}\,\text{Cos}[3\,\lambda 2]\right.\right.\right.$$

$$\left(\left(2\left(r^2 - 2\, r\, r2 + r2^2\right)\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \text{Cos}[\theta 3]}{r^2 - 2\, r\, r2 + r2^2}}\ \text{EllipticE}\right[\right.$$

$$\frac{\theta 3}{2}, -\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\Big)\Big/\Big(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\Big)-$$

$$\Big(2\,(r^2+r2^2)\,\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticF}\Big[\frac{\theta 3}{2},$$

$$-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\Big)\Big/\Big(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\Big)\Big)-$$

$$\Big(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}\;\Big(-r^2-r2^2+r^2\,\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}+$$

$$r2^2\,\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}\Big)\,(1+2\,\mathrm{Cos}[2\,\lambda 2])\,\mathrm{Sin}[\lambda 2]\Big)\Big/$$

$$\Big(r\,r2\,\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\Big)\Big)\Big)+\mathrm{Cos}[\lambda]\,(-1+2\,\mathrm{Cos}[2\,\lambda])$$

$$\Big(\Big(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}\;\Big(-r^2-r2^2+r^2\,\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}+$$

$$r2^2\,\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}\Big)\,\mathrm{Cos}[\lambda 2]$$

$$(-1+2\,\mathrm{Cos}[2\,\lambda 2])\Big)\Big/\Big(r\,r2\,\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\Big)-$$

$$\frac{1}{2\,r\,r2}\Big(\Big(2\,(r^2-2\,r\,r2+r2^2)\,\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r2+r2^2}}$$

$$\mathrm{EllipticE}\Big[\frac{\theta 3}{2}, -\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\Big)\Big/\Big(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\Big)-$$

$$\Big(2\,(r^2+r2^2)\,\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticF}\Big[\frac{\theta 3}{2},$$

$$-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\Big)\Big/\Big(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\Big)\Big)\,\mathrm{Sin}[3\,\lambda 2]\Big)\Big)-$$

$$\frac{1}{r^2-r2^2}\,12\,r2^3\,\Big(-\Big((1+2\,\mathrm{Cos}[2\,\lambda])\,\mathrm{Sin}[\lambda]\,\Big(-\frac{1}{2\,r\,r2}\,\mathrm{Cos}[3\,\lambda 2]$$

$$\Big(\Big(2\,(r^2-2\,r\,r2+r2^2)\,\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticE}\Big[$$

$$\frac{\theta 3}{2}, -\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\Big)\Big/\Big(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\Big)-$$

$$\Big(2\,(r^2+r2^2)\,\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticF}\Big[\frac{\theta 3}{2},$$

$$-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\Big)\Big/\Big(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\Big)\Big)-$$

$$\Big(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}\;\Big(-r^2-r2^2+r^2\,\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}+$$

$$r2^2\,\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}\Big)\,(1+2\,\mathrm{Cos}[2\,\lambda 2])\,\mathrm{Sin}[\lambda 2]\Big)\Big/$$

$$\Big(r\,r2\,\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\Big)\Big)\Big)+\mathrm{Cos}[\lambda]\,(-1+2\,\mathrm{Cos}[2\,\lambda])$$

$$\Big(\Big(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}\;\Big(-r^2-r2^2+r^2\,\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}+$$

$$r2^2\,\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}\Big)\,\mathrm{Cos}[\lambda 2]$$

$$(-1+2\,\mathrm{Cos}[2\,\lambda 2])\Big)\Big/\Big(r\,r2\,\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\Big)-$$

$$\frac{1}{2\,r\,r2}\Big(\Big(2\,(r^2-2\,r\,r2+r2^2)\,\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r2+r2^2}}$$

$$\mathrm{EllipticE}\Big[\frac{\theta 3}{2}, -\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\Big)\Big/\Big(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\Big)-$$

$$\Big(2\,(r^2+r2^2)\,\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticF}\Big[\frac{\theta 3}{2},$$

$$-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\Big)\Big/\Big(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\Big)\Big)\,\mathrm{Sin}[3\,\lambda 2]\Big)\Big)-$$

$$\frac{1}{r^2\,(r^2-r2^2)}\,8\,r2^5\,\Big(-\Big((1+2\,\mathrm{Cos}[2\,\lambda])\,\mathrm{Sin}[\lambda]\,\Big(-\frac{1}{2\,r\,r2}\,\mathrm{Cos}[3\,\lambda 2]$$

$$\Big(\Big(2\,(r^2-2\,r\,r2+r2^2)\,\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticE}\Big[$$

$$\frac{\theta 3}{2}, -\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\Big)\Big/\Big(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\Big)-$$

$$\Big(2\,(r^2+r2^2)\,\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticF}\Big[\frac{\theta 3}{2},$$

$$-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\Big)\Big/\Big(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\Big)\Big)-$$

$$\Big(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}\;\Big(-r^2-r2^2+r^2\,\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}+$$

$$r2^2\,\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}\Big)\,(1+2\,\mathrm{Cos}[2\,\lambda 2])\,\mathrm{Sin}[\lambda 2]\Big)\Big/$$

$$\Big(r\,r2\,\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\Big)\Big)\Big)+\mathrm{Cos}[\lambda]\,(-1+2\,\mathrm{Cos}[2\,\lambda])$$

$$\Big(\Big(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}\;\Big(-r^2-r2^2+r^2\,\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}+$$

$$r2^2\,\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}\Big)\,\mathrm{Cos}[\lambda 2]$$

$$(-1+2\,\mathrm{Cos}[2\,\lambda 2])\Big)\Big/\Big(r\,r2\,\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\Big)-$$

$$\frac{1}{2\,r\,r2}\Big(\Big(2\,(r^2-2\,r\,r2+r2^2)\,\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r2+r2^2}}$$

$$\mathrm{EllipticE}\Big[\frac{\theta 3}{2}, -\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\Big)\Big/\Big(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\Big)-$$

$$\Big(2\,(r^2+r2^2)\,\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticF}\Big[\frac{\theta 3}{2},$$

$$-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\Big)\Big/\Big(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\Big)\Big)\,\mathrm{Sin}[3\,\lambda 2]\Big)\Big)-$$

$$\frac{1}{r^2-r2^2}\,32\,r^2\,r2\,\Big((1+2\,\mathrm{Cos}[2\,\lambda])\,\mathrm{Sin}[\lambda]\,\Big(-\frac{1}{2\,r\,r2}\,\mathrm{Cos}[3\,\lambda 2]$$

$$\Big(\Big(2\,(r^2-2\,r\,r2+r2^2)\,\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r2+r2^2}}$$

$$\text{EllipticE}\left[\frac{\theta 3}{2}, -\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\right]\Bigg) \Big/ \left(\sqrt{r^2 + r2^2 - 2\, r\, r2\, \text{Cos}[\theta 3]}\right) -$$

$$\left(2\left(r^2 + r2^2\right)\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \text{Cos}[\theta 3]}{r^2 - 2\, r\, r2 + r2^2}}\ \text{EllipticF}\left[\frac{\theta 3}{2},\right.\right.$$

$$\left.\left.-\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\right]\right) \Big/ \left(\sqrt{r^2 + r2^2 - 2\, r\, r2\, \text{Cos}[\theta 3]}\right)\Bigg) +$$

$$\left(\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \text{Cos}[\theta 3]}{r^2 + r2^2}}\left(-r^2 - r2^2 + r^2\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \text{Cos}[\theta 3]}{r^2 + r2^2}} +\right.\right.$$

$$\left.r2^2\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \text{Cos}[\theta 3]}{r^2 + r2^2}}\right)(1 + 2\,\text{Cos}[2\,\lambda 2])\,\text{Sin}[\lambda 2]\Bigg) \Big/$$

$$\left.\left(r\, r2\sqrt{r^2 + r2^2 - 2\, r\, r2\, \text{Cos}[\theta 3]}\right)\right) + \text{Cos}[\lambda]\,(-1 + 2\,\text{Cos}[2\,\lambda])$$

$$\left(\left(\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \text{Cos}[\theta 3]}{r^2 + r2^2}}\left(-r^2 - r2^2 + r^2\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \text{Cos}[\theta 3]}{r^2 + r2^2}} +\right.\right.\right.$$

$$\left.r2^2\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \text{Cos}[\theta 3]}{r^2 + r2^2}}\right)\text{Cos}[\lambda 2]$$

$$\left.(-1 + 2\,\text{Cos}[2\,\lambda 2])\right) \Big/ \left(r\, r2\sqrt{r^2 + r2^2 - 2\, r\, r2\, \text{Cos}[\theta 3]}\right) +$$

$$\frac{1}{2\, r\, r2}\left(\left(2\left(r^2 - 2\, r\, r2 + r2^2\right)\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \text{Cos}[\theta 3]}{r^2 - 2\, r\, r2 + r2^2}}\right.\right.$$

$$\text{EllipticE}\left[\frac{\theta 3}{2}, -\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\right]\Bigg) \Big/ \left(\sqrt{r^2 + r2^2 - 2\, r\, r2\, \text{Cos}[\theta 3]}\right) -$$

$$\left(2\left(r^2 + r2^2\right)\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \text{Cos}[\theta 3]}{r^2 - 2\, r\, r2 + r2^2}}\ \text{EllipticF}\left[\frac{\theta 3}{2},\right.\right.$$

$$\left.\left.\left.-\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\right]\right) \Big/ \left(\sqrt{r^2 + r2^2 - 2\, r\, r2\, \text{Cos}[\theta 3]}\right)\right)\text{Sin}[3\,\lambda 2]\right)\right) +$$

$$\frac{1}{r^2 - r2^2}\, 12\, r2^3\left((1 + 2\,\text{Cos}[2\,\lambda])\,\text{Sin}[\lambda]\left(-\frac{1}{2\, r\, r2}\,\text{Cos}[3\,\lambda 2]\right.\right.$$

$$\left(\left(2\left(r^2 - 2\, r\, r2 + r2^2\right)\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \text{Cos}[\theta 3]}{r^2 - 2\, r\, r2 + r2^2}}\right.\right.$$

$$\text{EllipticE}\left[\frac{\theta 3}{2}, -\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\right]\Bigg) \Big/ \left(\sqrt{r^2 + r2^2 - 2\, r\, r2\, \text{Cos}[\theta 3]}\right) -$$

$$\left(2\left(r^2 + r2^2\right)\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \text{Cos}[\theta 3]}{r^2 - 2\, r\, r2 + r2^2}}\ \text{EllipticF}\left[\frac{\theta 3}{2},\right.\right.$$

$$\left.\left.-\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\right]\right) \Big/ \left(\sqrt{r^2 + r2^2 - 2\, r\, r2\, \text{Cos}[\theta 3]}\right)\Bigg) +$$

$$\left(\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \text{Cos}[\theta 3]}{r^2 + r2^2}}\left(-r^2 - r2^2 + r^2\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \text{Cos}[\theta 3]}{r^2 + r2^2}} +\right.\right.$$

$$\left.\left. r2^2\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \text{Cos}[\theta 3]}{r^2 + r2^2}}\right)(1 + 2\,\text{Cos}[2\,\lambda 2])\,\text{Sin}[\lambda 2]\right) \Big/$$

$$\left(r\, r2\sqrt{r^2 + r2^2 - 2\, r\, r2\, \text{Cos}[\theta 3]}\right)\Bigg) + \text{Cos}[\lambda]\,(-1 + 2\,\text{Cos}[2\,\lambda])$$

$$\left(\left(\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \text{Cos}[\theta 3]}{r^2 + r2^2}}\left(-r^2 - r2^2 + r^2\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \text{Cos}[\theta 3]}{r^2 + r2^2}} +\right.\right.\right.$$

$$\left.\left. r2^2\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \text{Cos}[\theta 3]}{r^2 + r2^2}}\right)\text{Cos}[\lambda 2]$$

$$\left.(-1 + 2\,\text{Cos}[2\,\lambda 2])\right) \Big/ \left(r\, r2\sqrt{r^2 + r2^2 - 2\, r\, r2\, \text{Cos}[\theta 3]}\right) +$$

$$\frac{1}{2\, r\, r2}\left(\left(2\left(r^2 - 2\, r\, r2 + r2^2\right)\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \text{Cos}[\theta 3]}{r^2 - 2\, r\, r2 + r2^2}}\right.\right.$$

$$\text{EllipticE}\left[\frac{\theta 3}{2}, -\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\right]\Bigg) \Big/ \left(\sqrt{r^2 + r2^2 - 2\, r\, r2\, \text{Cos}[\theta 3]}\right) -$$

$$\left(2\left(r^2 + r2^2\right)\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \text{Cos}[\theta 3]}{r^2 - 2\, r\, r2 + r2^2}}\ \text{EllipticF}\left[\frac{\theta 3}{2},\right.\right.$$

$$\left.\left.\left.-\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\right]\right) \Big/ \left(\sqrt{r^2 + r2^2 - 2\, r\, r2\, \text{Cos}[\theta 3]}\right)\right)\text{Sin}[3\,\lambda 2]\right)\Bigg) +$$

$$\frac{1}{r^2\left(r^2 - r2^2\right)}\, 8\, r2^5\left((1 + 2\,\text{Cos}[2\,\lambda])\,\text{Sin}[\lambda]\left(-\frac{1}{2\, r\, r2}\,\text{Cos}[3\,\lambda 2]\right.\right.$$

$$\left(\left(2\left(r^2 - 2\, r\, r2 + r2^2\right)\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \text{Cos}[\theta 3]}{r^2 - 2\, r\, r2 + r2^2}}\right.\right.$$

$$\text{EllipticE}\left[\frac{\theta 3}{2}, -\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\right]\Bigg) \Big/ \left(\sqrt{r^2 + r2^2 - 2\, r\, r2\, \text{Cos}[\theta 3]}\right) -$$

$$\left(2\left(r^2 + r2^2\right)\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \text{Cos}[\theta 3]}{r^2 - 2\, r\, r2 + r2^2}}\ \text{EllipticF}\left[\frac{\theta 3}{2},\right.\right.$$

$$\left.\left.-\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\right]\right) \Big/ \left(\sqrt{r^2 + r2^2 - 2\, r\, r2\, \text{Cos}[\theta 3]}\right)\Bigg) +$$

$$\left(\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \text{Cos}[\theta 3]}{r^2 + r2^2}}\left(-r^2 - r2^2 + r^2\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \text{Cos}[\theta 3]}{r^2 + r2^2}} +\right.\right.$$

$$\left.\left. r2^2\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \text{Cos}[\theta 3]}{r^2 + r2^2}}\right)(1 + 2\, \text{Cos}[2\, \lambda 2])\, \text{Sin}[\lambda 2]\right) \Big/$$

$$\left(r\, r2\sqrt{r^2 + r2^2 - 2\, r\, r2\, \text{Cos}[\theta 3]}\right)\Bigg) + \text{Cos}[\lambda]\,(-1 + 2\, \text{Cos}[2\, \lambda])$$

$$\left(\left(\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \text{Cos}[\theta 3]}{r^2 + r2^2}}\left(-r^2 - r2^2 + r^2\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \text{Cos}[\theta 3]}{r^2 + r2^2}} +\right.\right.\right.$$

$$\left.\left. r2^2\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \text{Cos}[\theta 3]}{r^2 + r2^2}}\right)\text{Cos}[\lambda 2]$$

$$\left.(-1 + 2\, \text{Cos}[2\, \lambda 2])\right) \Big/ \left(r\, r2\sqrt{r^2 + r2^2 - 2\, r\, r2\, \text{Cos}[\theta 3]}\right) +$$

$$\frac{1}{2\, r\, r2}\left(\left(2\left(r^2 - 2\, r\, r2 + r2^2\right)\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \text{Cos}[\theta 3]}{r^2 - 2\, r\, r2 + r2^2}}\right.\right.$$

$$\text{EllipticE}\left[\frac{\theta 3}{2}, -\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\right]\Bigg) \Big/ \left(\sqrt{r^2 + r2^2 - 2\, r\, r2\, \text{Cos}[\theta 3]}\right) -$$

$$\left(2\left(r^2 + r2^2\right)\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \text{Cos}[\theta 3]}{r^2 - 2\, r\, r2 + r2^2}}\ \text{EllipticF}\left[\frac{\theta 3}{2},\right.\right.$$

$$\left.\left.\left.-\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\right]\right) \Big/ \left(\sqrt{r^2 + r2^2 - 2\, r\, r2\, \text{Cos}[\theta 3]}\right)\right)\text{Sin}[3\, \lambda 2]\right)\Bigg) +$$

$$\sqrt{r^2 + r1^2 - 2\, r\, r1\, \text{Cos}[\theta 3]}\left(\frac{1}{r^2\left(r^2 - r1^2\right)\left(-r^2 - r1^2 + 2\, r\, r1\, \text{Cos}[\theta 3]\right)}\right.$$

$$2$$

$$\left(-15\, r^2\, r1^3\, \text{Cos}[\theta 3 + 3\, \lambda - 3\, \lambda 1] -\right.$$

$$5\, r1^5\, \text{Cos}[\theta 3 + 3\, \lambda - 3\, \lambda 1] +$$

$$9\, r^2\, r1^3\, \text{Cos}[\theta 3 + \lambda - \lambda 1] - 45\, r1^5\, \text{Cos}[\theta 3 + \lambda - \lambda 1] -$$

$$9\, r^2\, r1^3\, \mathrm{Cos}[\theta 3 - \lambda + \lambda 1] + 45\, r1^5\, \mathrm{Cos}[\theta 3 - \lambda + \lambda 1] +$$
$$15\, r^2\, r1^3\, \mathrm{Cos}[\theta 3 - 3\,\lambda + 3\,\lambda 1] +$$
$$5\, r1^5\, \mathrm{Cos}[\theta 3 - 3\,\lambda + 3\,\lambda 1] +$$
$$15\, r^2\, r1^3\, \mathrm{Cos}[\theta 3 + 3\,\lambda - 3\,\lambda 2] +$$
$$5\, r1^5\, \mathrm{Cos}[\theta 3 + 3\,\lambda - 3\,\lambda 2] -$$
$$9\, r^2\, r1^3\, \mathrm{Cos}[\theta 3 + \lambda - \lambda 2] + 45\, r1^5\, \mathrm{Cos}[\theta 3 + \lambda - \lambda 2] +$$
$$9\, r^2\, r1^3\, \mathrm{Cos}[\theta 3 - \lambda + \lambda 2] - 45\, r1^5\, \mathrm{Cos}[\theta 3 - \lambda + \lambda 2] -$$
$$15\, r^2\, r1^3\, \mathrm{Cos}[\theta 3 - 3\,\lambda + 3\,\lambda 2] -$$
$$5\, r1^5\, \mathrm{Cos}[\theta 3 - 3\,\lambda + 3\,\lambda 2]\Big) +$$
$$\frac{1}{r^2\left(-r^2 - r1^2 + 2\, r\, r1\, \mathrm{Cos}[\theta 3]\right)^2}$$
$$2\Big(-r^2\, r1^3\, \mathrm{Cos}[\theta 3 + 3\,\lambda - 3\,\lambda 1] +$$
$$r1^5\, \mathrm{Cos}[\theta 3 + 3\,\lambda - 3\,\lambda 1] - 9\, r^2\, r1^3\, \mathrm{Cos}[\theta 3 + \lambda - \lambda 1] +$$
$$9\, r1^5\, \mathrm{Cos}[\theta 3 + \lambda - \lambda 1] + 9\, r^2\, r1^3\, \mathrm{Cos}[\theta 3 - \lambda + \lambda 1] -$$
$$9\, r1^5\, \mathrm{Cos}[\theta 3 - \lambda + \lambda 1] + r^2\, r1^3\, \mathrm{Cos}[\theta 3 - 3\,\lambda + 3\,\lambda 1] -$$
$$r1^5\, \mathrm{Cos}[\theta 3 - 3\,\lambda + 3\,\lambda 1] + r^2\, r1^3\, \mathrm{Cos}[\theta 3 + 3\,\lambda - 3\,\lambda 2] -$$
$$r1^5\, \mathrm{Cos}[\theta 3 + 3\,\lambda - 3\,\lambda 2] + 9\, r^2\, r1^3\, \mathrm{Cos}[\theta 3 + \lambda - \lambda 2] -$$
$$9\, r1^5\, \mathrm{Cos}[\theta 3 + \lambda - \lambda 2] - 9\, r^2\, r1^3\, \mathrm{Cos}[\theta 3 - \lambda + \lambda 2] +$$
$$9\, r1^5\, \mathrm{Cos}[\theta 3 - \lambda + \lambda 2] - r^2\, r1^3\, \mathrm{Cos}[\theta 3 - 3\,\lambda + 3\,\lambda 2] +$$
$$r1^5\, \mathrm{Cos}[\theta 3 - 3\,\lambda + 3\,\lambda 2]\Big) -$$
$$\frac{1}{r^2 - r1^2}\, 32\, \mathrm{Csc}[\theta 3]\, \Big(-2\, r1\, \mathrm{Sin}[3\,\lambda - 3\,\lambda 1] - r\, \mathrm{Sin}[\theta 3 + 3\,\lambda - 3\,\lambda 1] +$$
$$r\, \mathrm{Sin}[\theta 3 - 3\,\lambda + 3\,\lambda 1] +$$
$$2\, r1\, \mathrm{Sin}[3\,\lambda - 3\,\lambda 2] + r\, \mathrm{Sin}[\theta 3 + 3\,\lambda - 3\,\lambda 2] -$$
$$r\, \mathrm{Sin}[\theta 3 - 3\,\lambda + 3\,\lambda 2])\Big) + \sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}$$
$$\Big(-\Big(\Big(2\,\Big(-15\, r^2\, r2^3\, \mathrm{Cos}[\theta 3 + 3\,\lambda - 3\,\lambda 1] - 5\, r2^5\, \mathrm{Cos}[\theta 3 + 3\,\lambda - 3\,\lambda 1] +$$
$$9\, r^2\, r2^3\, \mathrm{Cos}[\theta 3 + \lambda - \lambda 1] - 45\, r2^5\, \mathrm{Cos}[\theta 3 + \lambda - \lambda 1] - 9\, r^2\, r2^3\, \mathrm{Cos}[\theta 3 - \lambda + \lambda 1] +$$
$$45\, r2^5\, \mathrm{Cos}[\theta 3 - \lambda + \lambda 1] + 15\, r^2\, r2^3\, \mathrm{Cos}[\theta 3 - 3\,\lambda + 3\,\lambda 1] +$$
$$5\, r2^5\, \mathrm{Cos}[\theta 3 - 3\,\lambda + 3\,\lambda 1] + 15\, r^2\, r2^3\, \mathrm{Cos}[\theta 3 + 3\,\lambda - 3\,\lambda 2] +$$
$$5\, r2^5\, \mathrm{Cos}[\theta 3 + 3\,\lambda - 3\,\lambda 2] - 9\, r^2\, r2^3\, \mathrm{Cos}[\theta 3 + \lambda - \lambda 2] +$$
$$45\, r2^5\, \mathrm{Cos}[\theta 3 + \lambda - \lambda 2] + 9\, r^2\, r2^3\, \mathrm{Cos}[\theta 3 - \lambda + \lambda 2] - 45\, r2^5\, \mathrm{Cos}[\theta 3 - \lambda + \lambda 2] -$$
$$15\, r^2\, r2^3\, \mathrm{Cos}[\theta 3 - 3\,\lambda + 3\,\lambda 2] - 5\, r2^5\, \mathrm{Cos}[\theta 3 - 3\,\lambda + 3\,\lambda 2]\Big)\Big) \Big/$$
$$\Big(r^2\left(r^2 - r2^2\right)\left(-r^2 - r2^2 + 2\, r\, r2\, \mathrm{Cos}[\theta 3]\right)\Big)\Big) -$$
$$\frac{1}{r^2\left(-r^2 - r2^2 + 2\, r\, r2\, \mathrm{Cos}[\theta 3]\right)^2}$$
$$2\Big(-r^2\, r2^3\, \mathrm{Cos}[\theta 3 + 3\,\lambda - 3\,\lambda 1] + r2^5\, \mathrm{Cos}[\theta 3 + 3\,\lambda - 3\,\lambda 1] -$$
$$9\, r^2\, r2^3\, \mathrm{Cos}[\theta 3 + \lambda - \lambda 1] + 9\, r2^5\, \mathrm{Cos}[\theta 3 + \lambda - \lambda 1] +$$
$$9\, r^2\, r2^3\, \mathrm{Cos}[\theta 3 - \lambda + \lambda 1] - 9\, r2^5\, \mathrm{Cos}[\theta 3 - \lambda + \lambda 1] +$$
$$r^2\, r2^3\, \mathrm{Cos}[\theta 3 - 3\,\lambda + 3\,\lambda 1] - r2^5\, \mathrm{Cos}[\theta 3 - 3\,\lambda + 3\,\lambda 1] +$$
$$r^2\, r2^3\, \mathrm{Cos}[\theta 3 + 3\,\lambda - 3\,\lambda 2] - r2^5\, \mathrm{Cos}[\theta 3 + 3\,\lambda - 3\,\lambda 2] +$$

$$9\, r^2\, r2^3\, \mathrm{Cos}[\theta 3+\lambda-\lambda 2]-9\, r2^5\, \mathrm{Cos}[\theta 3+\lambda-\lambda 2]-$$
$$9\, r^2\, r2^3\, \mathrm{Cos}[\theta 3-\lambda+\lambda 2]+9\, r2^5\, \mathrm{Cos}[\theta 3-\lambda+\lambda 2]-$$
$$r^2\, r2^3\, \mathrm{Cos}[\theta 3-3\,\lambda+3\,\lambda 2]+r2^5\, \mathrm{Cos}[\theta 3-3\,\lambda+3\,\lambda 2]\Big)+$$
$$\frac{1}{r^2-r2^2}\, 32\, \mathrm{Csc}[\theta 3]\, \Big(-2\, r2\, \mathrm{Sin}[3\,\lambda-3\,\lambda 1]-r\, \mathrm{Sin}[\theta 3+3\,\lambda-3\,\lambda 1]+$$
$$r\, \mathrm{Sin}[\theta 3-3\,\lambda+3\,\lambda 1]+2\, r2\, \mathrm{Sin}[3\,\lambda-3\,\lambda 2]+$$
$$r\, \mathrm{Sin}[\theta 3+3\,\lambda-3\,\lambda 2]-r\, \mathrm{Sin}[\theta 3-3\,\lambda+3\,\lambda 2]\Big)\Bigg)\Bigg)$$

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$$\frac{1}{96\, r}\Bigg(\frac{64\, r\, r1^2\, \sqrt{\frac{r^2+r1^2-2\, r\, r1\, \mathrm{Cos}[\theta 3]}{r^2-2\, r\, r1+r1^2}}\, \mathrm{EllipticF}\Big[\frac{\theta 3}{2},-\frac{4\, r\, r1}{r^2-2\, r\, r1+r1^2}\Big]\, \mathrm{Sin}[3\,\lambda-3\,\lambda 1]}{\left(r^2-r1^2\right)\, \sqrt{r^2+r1^2-2\, r\, r1\, \mathrm{Cos}[\theta 3]}}-$$
$$\frac{16\, r1^4\, \sqrt{\frac{r^2+r1^2-2\, r\, r1\, \mathrm{Cos}[\theta 3]}{r^2-2\, r\, r1+r1^2}}\, \mathrm{EllipticF}\Big[\frac{\theta 3}{2},-\frac{4\, r\, r1}{r^2-2\, r\, r1+r1^2}\Big]\, \mathrm{Sin}[3\,\lambda-3\,\lambda 1]}{r\, \left(r^2-r1^2\right)\, \sqrt{r^2+r1^2-2\, r\, r1\, \mathrm{Cos}[\theta 3]}}-$$
$$\Bigg(64\, r\, r2^2\, \sqrt{\frac{r^2+r2^2-2\, r\, r2\, \mathrm{Cos}[\theta 3]}{r^2-2\, r\, r2+r2^2}}\, \mathrm{EllipticF}\Big[\frac{\theta 3}{2},-\frac{4\, r\, r2}{r^2-2\, r\, r2+r2^2}\Big]$$
$$\mathrm{Sin}[3\,\lambda-3\,\lambda 1]\Bigg)\Big/\Big(\left(r^2-r2^2\right)\, \sqrt{r^2+r2^2-2\, r\, r2\, \mathrm{Cos}[\theta 3]}\Big)+$$
$$\frac{16\, r2^4\, \sqrt{\frac{r^2+r2^2-2\, r\, r2\, \mathrm{Cos}[\theta 3]}{r^2-2\, r\, r2+r2^2}}\, \mathrm{EllipticF}\Big[\frac{\theta 3}{2},-\frac{4\, r\, r2}{r^2-2\, r\, r2+r2^2}\Big]\, \mathrm{Sin}[3\,\lambda-3\,\lambda 1]}{r\, \left(r^2-r2^2\right)\, \sqrt{r^2+r2^2-2\, r\, r2\, \mathrm{Cos}[\theta 3]}}-$$
$$\frac{144\, r1^4\, \sqrt{\frac{r^2+r1^2-2\, r\, r1\, \mathrm{Cos}[\theta 3]}{r^2-2\, r\, r1+r1^2}}\, \mathrm{EllipticF}\Big[\frac{\theta 3}{2},-\frac{4\, r\, r1}{r^2-2\, r\, r1+r1^2}\Big]\, \mathrm{Sin}[\lambda-\lambda 1]}{r\, \left(r^2-r1^2\right)\, \sqrt{r^2+r1^2-2\, r\, r1\, \mathrm{Cos}[\theta 3]}}+$$
$$\frac{144\, r2^4\, \sqrt{\frac{r^2+r2^2-2\, r\, r2\, \mathrm{Cos}[\theta 3]}{r^2-2\, r\, r2+r2^2}}\, \mathrm{EllipticF}\Big[\frac{\theta 3}{2},-\frac{4\, r\, r2}{r^2-2\, r\, r2+r2^2}\Big]\, \mathrm{Sin}[\lambda-\lambda 1]}{r\, \left(r^2-r2^2\right)\, \sqrt{r^2+r2^2-2\, r\, r2\, \mathrm{Cos}[\theta 3]}}+\frac{1}{r^2-r1^2}\, 36$$
$$r1^3\, \Bigg(-\mathrm{Sin}[\lambda]\, \Bigg(-\frac{1}{2\, r\, r1}\, \mathrm{Cos}[\lambda 1]\, \Bigg(\Bigg(2\, \left(r^2-2\, r\, r1+r1^2\right)\, \sqrt{\frac{r^2+r1^2-2\, r\, r1\, \mathrm{Cos}[\theta 3]}{r^2-2\, r\, r1+r1^2}}$$
$$\mathrm{EllipticE}\Big[\frac{\theta 3}{2},-\frac{4\, r\, r1}{r^2-2\, r\, r1+r1^2}\Big]\Bigg)\Big/\Big(\sqrt{r^2+r1^2-2\, r\, r1\, \mathrm{Cos}[\theta 3]}\Big)-$$

$$\left(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticF}\left[\frac{\theta 3}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\right)\Bigg)-$$

$$\left(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}\left(-r^2-r1^2+r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}+r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}\right)\mathrm{Sin}[\lambda 1]\right)\Big/\left(r\,r1\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\right)\Bigg)+\mathrm{Cos}[\lambda]\left(\left(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}\left(-r^2-r1^2+r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}+r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}\right)\mathrm{Cos}[\lambda 1]\right)\Big/\left(r\,r1\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\right)-$$

$$\frac{1}{2\,r\,r1}\left(\left(2\left(r^2-2\,r\,r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticE}\left[\frac{\theta 3}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\right)-\left(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticF}\left[\frac{\theta 3}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\right)\right)\mathrm{Sin}[\lambda 1]\right)\Bigg)-\frac{1}{r^2\left(r^2-r1^2\right)}\,72\,r1^5$$

$$\Bigg(-\mathrm{Sin}[\lambda]\left(-\frac{1}{2\,r\,r1}\,\mathrm{Cos}[\lambda 1]\left(\left(2\left(r^2-2\,r\,r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticE}\left[\frac{\theta 3}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\right)-\left(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticF}\left[\frac{\theta 3}{2},\right.\right.\right.$$

$$-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Big)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\right)\Big)-$$

$$\left(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}\left(-r^2-r1^2+r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}+\right.\right.$$

$$\left.\left.r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}\right)\mathrm{Sin}[\lambda 1]\right)\Big/$$

$$\left(r\,r1\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\right)\Big)+\mathrm{Cos}[\lambda]$$

$$\left(\left(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}\left(-r^2-r1^2+r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}+\right.\right.\right.$$

$$\left.r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}\right)$$

$$\left.\mathrm{Cos}[\lambda 1]\right)\Big/\left(r\,r1\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\right)-$$

$$\frac{1}{2\,r\,r1}\left(\left(2\left(r^2-2\,r\,r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r1+r1^2}}\,\mathrm{EllipticE}\Big[\frac{\theta 3}{2},\right.\right.$$

$$\left.-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\right)-\left(2\left(r^2+r1^2\right)\right.$$

$$\left.\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r1+r1^2}}\,\mathrm{EllipticF}\Big[\frac{\theta 3}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\right)\Big/$$

$$\left.\left.\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\right)\right)\mathrm{Sin}[\lambda 1]\right)\right)-\frac{1}{r^2-r1^2}\,36\,r1^3$$

$$\left(\mathrm{Sin}[\lambda]\left(-\frac{1}{2\,r\,r1}\,\mathrm{Cos}[\lambda 1]\left(\left(2\left(r^2-2\,r\,r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r1+r1^2}}\right.\right.\right.\right.$$

$$\left.\mathrm{EllipticE}\Big[\frac{\theta 3}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\right)-$$

$$\left(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r1+r1^2}}\,\mathrm{EllipticF}\Big[\frac{\theta 3}{2},\right.$$

$$-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Big)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\right)\Big)+$$

$$\left(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}\left(-r^2-r1^2+r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}+\right.\right.$$

$$\left.\left.r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}\right)\mathrm{Sin}[\lambda 1]\right)\Big/$$

$$\left(r\,r1\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\right)\Big)+\mathrm{Cos}[\lambda]$$

$$\left(\left(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}\left(-r^2-r1^2+r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}+\right.\right.\right.$$

$$\left.r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}\right)$$

$$\mathrm{Cos}[\lambda 1]\Big)\Big/\left(r\,r1\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\right)+$$

$$\frac{1}{2\,r\,r1}\left(\left(2\left(r^2-2\,r\,r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r1+r1^2}}\,\mathrm{EllipticE}\Big[\frac{\theta 3}{2},\right.\right.$$

$$\left.-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Big)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\right)-\Big(2\left(r^2+r1^2\right)$$

$$\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r1+r1^2}}\,\mathrm{EllipticF}\Big[\frac{\theta 3}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Big)\Big/$$

$$\left.\left.\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\right)\right)\mathrm{Sin}[\lambda 1]\right)\right)+\frac{1}{r^2\left(r^2-r1^2\right)}\,72\,r1^5$$

$$\left(\mathrm{Sin}[\lambda]\left(-\frac{1}{2\,r\,r1}\,\mathrm{Cos}[\lambda 1]\left(\left(2\left(r^2-2\,r\,r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r1+r1^2}}\right.\right.\right.\right.$$

$$\mathrm{EllipticE}\Big[\frac{\theta 3}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Big)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\right)-$$

$$\left(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r1+r1^2}}\,\mathrm{EllipticF}\Big[\frac{\theta 3}{2},\right.$$

$$-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Big)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\right)\Big)+$$

$$\left(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}\left(-r^2-r1^2+r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}+\right.\right.$$

$$\left.\left.r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}\right)\mathrm{Sin}[\lambda 1]\right)\Big/$$

$$\left(r\,r1\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\right)\Big)+\mathrm{Cos}[\lambda]$$

$$\left(\left(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}\left(-r^2-r1^2+r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}+\right.\right.\right.$$

$$\left.r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}\right)$$

$$\mathrm{Cos}[\lambda 1]\Big)\Big/\left(r\,r1\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\right)+$$

$$\frac{1}{2\,r\,r1}\left(\left(2\left(r^2-2\,r\,r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r1+r1^2}}\,\mathrm{EllipticE}\Big[\frac{\theta 3}{2},\right.\right.$$

$$\left.-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Big)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\right)-\Big(2\left(r^2+r1^2\right)$$

$$\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r1+r1^2}}\,\mathrm{EllipticF}\Big[\frac{\theta 3}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Big)\Big/$$

$$\left.\left.\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\right)\right)\mathrm{Sin}[\lambda 1]\right)\right)-\frac{1}{r^2-r2^2}\,36\,r2^3$$

$$\left(-\mathrm{Sin}[\lambda]\left(-\frac{1}{2\,r\,r2}\,\mathrm{Cos}[\lambda 1]\left(\left(2\left(r^2-2\,r\,r2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r2+r2^2}}\right.\right.\right.\right.$$

$$\mathrm{EllipticE}\Big[\frac{\theta 3}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\Big)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\right)-$$

$$\left(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r2+r2^2}}\,\mathrm{EllipticF}\Big[\frac{\theta 3}{2},\right.$$

$$-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\Big)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\right)\Big)-$$

$$\left(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}\left(-r^2-r2^2+r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}+\right.\right.$$

$$\left.\left.r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}\right)\mathrm{Sin}[\lambda 1]\right)\Big/$$

$$\left.\left(r\,r2\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\right)\right)+\mathrm{Cos}[\lambda]$$

$$\left(\left(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}\left(-r^2-r2^2+r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}+\right.\right.\right.$$

$$\left.r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}\right)$$

$$\left.\mathrm{Cos}[\lambda 1]\right)\Big/\left(r\,r2\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\right)-$$

$$\frac{1}{2\,r\,r2}\left(\left(2\left(r^2-2\,r\,r2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r2+r2^2}}\,\mathrm{EllipticE}\Big[\frac{\theta 3}{2},\right.\right.$$

$$\left.-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\right)-\left(2\left(r^2+r2^2\right)\right.$$

$$\left.\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r2+r2^2}}\,\mathrm{EllipticF}\Big[\frac{\theta 3}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\right)\Big/$$

$$\left.\left.\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\right)\right)\mathrm{Sin}[\lambda 1]\right)\right)+\frac{1}{r^2\left(r^2-r2^2\right)}\,72\,r2^5$$

$$\left(-\mathrm{Sin}[\lambda]\left(-\frac{1}{2\,r\,r2}\,\mathrm{Cos}[\lambda 1]\left(\left(2\left(r^2-2\,r\,r2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r2+r2^2}}\right.\right.\right.\right.$$

$$\left.\mathrm{EllipticE}\Big[\frac{\theta 3}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\right)-$$

$$\left(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r2+r2^2}}\,\mathrm{EllipticF}\Big[\frac{\theta 3}{2},\right.$$

$$-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\Big)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\right)\Big)-$$

$$\left(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}\left(-r^2-r2^2+r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}+\right.\right.$$

$$\left.\left.r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}\right)\mathrm{Sin}[\lambda 1]\right)\Big/$$

$$\left.\left(r\,r2\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\right)\right)+\mathrm{Cos}[\lambda]$$

$$\left(\left(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}\left(-r^2-r2^2+r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}+\right.\right.\right.$$

$$\left.r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}\right)$$

$$\left.\mathrm{Cos}[\lambda 1]\right)\Big/\left(r\,r2\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\right)-$$

$$\frac{1}{2\,r\,r2}\left(\left(2\left(r^2-2\,r\,r2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r2+r2^2}}\,\mathrm{EllipticE}\Big[\frac{\theta 3}{2},\right.\right.$$

$$\left.-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\right)-\left(2\left(r^2+r2^2\right)\right.$$

$$\left.\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r2+r2^2}}\,\mathrm{EllipticF}\Big[\frac{\theta 3}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\right)\Big/$$

$$\left.\left.\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\right)\right)\mathrm{Sin}[\lambda 1]\right)\right)+\frac{1}{r^2-r2^2}\,36\,r2^3$$

$$\left(\mathrm{Sin}[\lambda]\left(-\frac{1}{2\,r\,r2}\,\mathrm{Cos}[\lambda 1]\left(\left(2\left(r^2-2\,r\,r2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r2+r2^2}}\right.\right.\right.\right.$$

$$\left.\mathrm{EllipticE}\Big[\frac{\theta 3}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\right)-$$

$$\left(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r2+r2^2}}\,\mathrm{EllipticF}\Big[\frac{\theta 3}{2},\right.$$

$$-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\Big)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\right)\Big)+$$

$$\left(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}\left(-r^2-r2^2+r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}+\right.\right.$$

$$\left.\left.r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}\right)\mathrm{Sin}[\lambda 1]\right)\Big/$$

$$\left.\left(r\,r2\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\right)\right)+\mathrm{Cos}[\lambda]$$

$$\left(\left(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}\left(-r^2-r2^2+r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}+\right.\right.\right.$$

$$\left.r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}\right)$$

$$\left.\mathrm{Cos}[\lambda 1]\right)\Big/\left(r\,r2\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\right)+$$

$$\frac{1}{2\,r\,r2}\left(\left(2\left(r^2-2\,r\,r2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r2+r2^2}}\,\mathrm{EllipticE}\Big[\frac{\theta 3}{2},\right.\right.$$

$$\left.-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\right)-\left(2\left(r^2+r2^2\right)\right.$$

$$\left.\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r2+r2^2}}\,\mathrm{EllipticF}\Big[\frac{\theta 3}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\right)\Big/$$

$$\left.\left.\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\right)\right)\mathrm{Sin}[\lambda 1]\right)\right)-\frac{1}{r^2\left(r^2-r2^2\right)}\,72\,r2^5$$

$$\left(\mathrm{Sin}[\lambda]\left(-\frac{1}{2\,r\,r2}\,\mathrm{Cos}[\lambda 1]\left(\left(2\left(r^2-2\,r\,r2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r2+r2^2}}\right.\right.\right.\right.$$

$$\left.\mathrm{EllipticE}\Big[\frac{\theta 3}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\right)-$$

$$\left(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r2+r2^2}}\,\mathrm{EllipticF}\Big[\frac{\theta 3}{2},\right.$$

$$-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\Big)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\right)\Big)+$$

$$\left(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}\left(-r^2-r2^2+r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}+\right.\right.$$

$$\left.\left.r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}\right)\mathrm{Sin}[\lambda 1]\right)\Big/$$

$$\left.\left(r\,r2\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\right)\right)+\mathrm{Cos}[\lambda]$$

$$\left(\left(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}\left(-r^2-r2^2+r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}+\right.\right.\right.$$

$$\left.r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}\right)$$

$$\left.\mathrm{Cos}[\lambda 1]\right)\Big/\left(r\,r2\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\right)+$$

$$\frac{1}{2\,r\,r2}\left(\left(2\left(r^2-2\,r\,r2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r2+r2^2}}\,\mathrm{EllipticE}\Big[\right.\right.$$

$$\left.\frac{\theta 3}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\right)-$$

$$\left(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r2+r2^2}}\,\mathrm{EllipticF}\Big[\frac{\theta 3}{2},\right.$$

$$\left.\left.-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\right)\Big)\,\mathrm{Sin}[\lambda 1]\Big)\Big)+$$

$$\frac{1}{r^2-r1^2}\,32\,r^2\,r1\left(-\left((1+2\,\mathrm{Cos}[2\,\lambda])\,\mathrm{Sin}[\lambda]\left(-\frac{1}{2\,r\,r1}\,\mathrm{Cos}[3\,\lambda 1]\right.\right.\right.$$

$$\left(\left(2\left(r^2-2\,r\,r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r1+r1^2}}\,\mathrm{EllipticE}\Big[\right.\right.$$

$$\left.\frac{\theta 3}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\right)-$$

$$\left(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticF}\left[\frac{\theta 3}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\right)\Bigg)-$$

$$\left(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}\left(-r^2-r1^2+r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}+r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}\right)(1+2\,\mathrm{Cos}[2\,\lambda 1])\,\mathrm{Sin}[\lambda 1]\right)\Big/$$

$$\left(r\,r1\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\right)\Bigg)\Bigg)+\mathrm{Cos}[\lambda]\,(-1+2\,\mathrm{Cos}[2\,\lambda])$$

$$\left(\left(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}\left(-r^2-r1^2+r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}+r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}\right)\mathrm{Cos}[\lambda 1]\right.\right.$$

$$\left.(-1+2\,\mathrm{Cos}[2\,\lambda 1])\right)\Big/\left(r\,r1\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\right)-$$

$$\frac{1}{2\,r\,r1}\left(\left(2\left(r^2-2\,r\,r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticE}\left[\frac{\theta 3}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\right)-\right.$$

$$\left(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticF}\left[\frac{\theta 3}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\right)\Bigg)\,\mathrm{Sin}[3\,\lambda 1]\Bigg)\Bigg)-$$

$$\frac{1}{r^2-r1^2}\,12\,r1^3\left(-\left((1+2\,\mathrm{Cos}[2\,\lambda])\,\mathrm{Sin}[\lambda]\left(-\frac{1}{2\,r\,r1}\,\mathrm{Cos}[3\,\lambda 1]\right.\right.\right.$$

$$\left(\left(2\left(r^2-2\,r\,r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticE}\right[\right.$$

$$\frac{\theta 3}{2}, -\frac{4\, r\, r1}{r^2 - 2\, r\, r1 + r1^2}\Big]\Big) \Big/ \left(\sqrt{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 3]}\right) -$$

$$\left(2\left(r^2 + r1^2\right)\sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 3]}{r^2 - 2\, r\, r1 + r1^2}}\ \mathrm{EllipticF}\Big[\frac{\theta 3}{2},\right.$$

$$\left.-\frac{4\, r\, r1}{r^2 - 2\, r\, r1 + r1^2}\Big]\right) \Big/ \left(\sqrt{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 3]}\right)\Bigg) -$$

$$\left(\sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 3]}{r^2 + r1^2}}\left(-r^2 - r1^2 + r^2\sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 3]}{r^2 + r1^2}} +\right.\right.$$

$$\left.r1^2\sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 3]}{r^2 + r1^2}}\right)(1 + 2\,\mathrm{Cos}[2\,\lambda 1])\,\mathrm{Sin}[\lambda 1]\Big) \Big/$$

$$\left.\left(r\, r1\sqrt{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 3]}\right)\right)\Bigg) + \mathrm{Cos}[\lambda]\,(-1 + 2\,\mathrm{Cos}[2\,\lambda])$$

$$\left(\left(\sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 3]}{r^2 + r1^2}}\left(-r^2 - r1^2 + r^2\sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 3]}{r^2 + r1^2}} +\right.\right.\right.$$

$$\left.r1^2\sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 3]}{r^2 + r1^2}}\right)\mathrm{Cos}[\lambda 1]$$

$$(-1 + 2\,\mathrm{Cos}[2\,\lambda 1])\Big) \Big/ \left(r\, r1\sqrt{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 3]}\right) -$$

$$\frac{1}{2\, r\, r1}\left(\left(2\left(r^2 - 2\, r\, r1 + r1^2\right)\sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 3]}{r^2 - 2\, r\, r1 + r1^2}}\ \mathrm{EllipticE}\Big[\right.\right.$$

$$\frac{\theta 3}{2}, -\frac{4\, r\, r1}{r^2 - 2\, r\, r1 + r1^2}\Big]\Big) \Big/ \left(\sqrt{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 3]}\right) -$$

$$\left(2\left(r^2 + r1^2\right)\sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 3]}{r^2 - 2\, r\, r1 + r1^2}}\ \mathrm{EllipticF}\Big[\frac{\theta 3}{2},\right.$$

$$\left.\left.-\frac{4\, r\, r1}{r^2 - 2\, r\, r1 + r1^2}\Big]\right) \Big/ \left(\sqrt{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 3]}\right)\right)\mathrm{Sin}[3\,\lambda 1]\Bigg)\Bigg) -$$

$$\frac{1}{r^2\left(r^2 - r1^2\right)}\, 8\, r1^5\left(-\left((1 + 2\,\mathrm{Cos}[2\,\lambda])\,\mathrm{Sin}[\lambda]\left(-\frac{1}{2\, r\, r1}\,\mathrm{Cos}[3\,\lambda 1]\right.\right.\right.$$

$$\left(\left(2\left(r^2-2\,r\,r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticE}\left[\frac{\theta 3}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\right)-\left(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticF}\left[\frac{\theta 3}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\right)\right)-\left(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}\left(-r^2-r1^2+r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}+r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}\right)(1+2\,\mathrm{Cos}[2\,\lambda 1])\,\mathrm{Sin}[\lambda 1]\right)\Big/\left(r\,r1\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\right)\right)\Bigg)+\mathrm{Cos}[\lambda]\,(-1+2\,\mathrm{Cos}[2\,\lambda])$$

$$\left(\left(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}\left(-r^2-r1^2+r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}+r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}\right)\mathrm{Cos}[\lambda 1]\,(-1+2\,\mathrm{Cos}[2\,\lambda 1])\right)\Big/\left(r\,r1\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\right)-\frac{1}{2\,r\,r1}\left(\left(2\left(r^2-2\,r\,r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticE}\left[\frac{\theta 3}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\right)-\left(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticF}\left[\frac{\theta 3}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\right)\right)\mathrm{Sin}[3\,\lambda 1]\right)\right)-$$

$$\frac{1}{r^2 - r1^2}\, 32\, r^2\, r1 \Bigg((1 + 2\,\mathrm{Cos}[2\,\lambda])\,\mathrm{Sin}[\lambda] \Bigg(-\frac{1}{2\,r\,r1}\,\mathrm{Cos}[3\,\lambda 1]$$

$$\Bigg(\Bigg(2\,(r^2 - 2\,r\,r1 + r1^2)\,\sqrt{\frac{r^2 + r1^2 - 2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2 - 2\,r\,r1 + r1^2}}$$

$$\mathrm{EllipticE}\Big[\frac{\theta 3}{2}, -\frac{4\,r\,r1}{r^2 - 2\,r\,r1 + r1^2}\Big]\Bigg) \Big/ \Big(\sqrt{r^2 + r1^2 - 2\,r\,r1\,\mathrm{Cos}[\theta 3]}\Big) -$$

$$\Bigg(2\,(r^2 + r1^2)\,\sqrt{\frac{r^2 + r1^2 - 2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2 - 2\,r\,r1 + r1^2}}\;\mathrm{EllipticF}\Big[\frac{\theta 3}{2},$$

$$-\frac{4\,r\,r1}{r^2 - 2\,r\,r1 + r1^2}\Big]\Bigg) \Big/ \Big(\sqrt{r^2 + r1^2 - 2\,r\,r1\,\mathrm{Cos}[\theta 3]}\Big)\Bigg) +$$

$$\Bigg(\sqrt{\frac{r^2 + r1^2 - 2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2 + r1^2}}\;\Bigg(-r^2 - r1^2 + r^2\,\sqrt{\frac{r^2 + r1^2 - 2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2 + r1^2}} +$$

$$r1^2\,\sqrt{\frac{r^2 + r1^2 - 2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2 + r1^2}}\Bigg)\,(1 + 2\,\mathrm{Cos}[2\,\lambda 1])\,\mathrm{Sin}[\lambda 1]\Bigg) \Big/$$

$$\Big(r\,r1\,\sqrt{r^2 + r1^2 - 2\,r\,r1\,\mathrm{Cos}[\theta 3]}\Big)\Bigg) + \mathrm{Cos}[\lambda]\,(-1 + 2\,\mathrm{Cos}[2\,\lambda])$$

$$\Bigg(\Bigg(\sqrt{\frac{r^2 + r1^2 - 2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2 + r1^2}}\;\Bigg(-r^2 - r1^2 + r^2\,\sqrt{\frac{r^2 + r1^2 - 2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2 + r1^2}} +$$

$$r1^2\,\sqrt{\frac{r^2 + r1^2 - 2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2 + r1^2}}\Bigg)\,\mathrm{Cos}[\lambda 1]$$

$$(-1 + 2\,\mathrm{Cos}[2\,\lambda 1])\Bigg) \Big/ \Big(r\,r1\,\sqrt{r^2 + r1^2 - 2\,r\,r1\,\mathrm{Cos}[\theta 3]}\Big) +$$

$$\frac{1}{2\,r\,r1}\Bigg(\Bigg(2\,(r^2 - 2\,r\,r1 + r1^2)\,\sqrt{\frac{r^2 + r1^2 - 2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2 - 2\,r\,r1 + r1^2}}\;\mathrm{EllipticE}\Big[$$

$$\frac{\theta 3}{2}, -\frac{4\,r\,r1}{r^2 - 2\,r\,r1 + r1^2}\Big]\Bigg) \Big/ \Big(\sqrt{r^2 + r1^2 - 2\,r\,r1\,\mathrm{Cos}[\theta 3]}\Big) -$$

$$\Bigg(2\,(r^2 + r1^2)\,\sqrt{\frac{r^2 + r1^2 - 2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2 - 2\,r\,r1 + r1^2}}\;\mathrm{EllipticF}\Big[\frac{\theta 3}{2},$$

$$-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Big)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\right)\Big)\,\mathrm{Sin}[3\,\lambda 1]\Big)\Big)+$$

$$\frac{1}{r^2-r1^2}\,12\,r1^3\Big((1+2\,\mathrm{Cos}[2\,\lambda])\,\mathrm{Sin}[\lambda]\Big(-\frac{1}{2\,r\,r1}\,\mathrm{Cos}[3\,\lambda 1]$$

$$\Big(\Big(2\,(r^2-2\,r\,r1+r1^2)\,\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r1+r1^2}}$$

$$\mathrm{EllipticE}\Big[\frac{\theta 3}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Big)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\right)-$$

$$\Big(2\,(r^2+r1^2)\,\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r1+r1^2}}\,\mathrm{EllipticF}\Big[\frac{\theta 3}{2},$$

$$-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Big)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\right)\Big)+$$

$$\Big(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}\,\Big(-r^2-r1^2+r^2\,\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}+$$

$$r1^2\,\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}\Big)\,(1+2\,\mathrm{Cos}[2\,\lambda 1])\,\mathrm{Sin}[\lambda 1]\Big)\Big/$$

$$\Big(r\,r1\,\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\Big)\Big)+\mathrm{Cos}[\lambda]\,(-1+2\,\mathrm{Cos}[2\,\lambda])$$

$$\Big(\Big(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}\,\Big(-r^2-r1^2+r^2\,\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}+$$

$$r1^2\,\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}\Big)\,\mathrm{Cos}[\lambda 1]$$

$$(-1+2\,\mathrm{Cos}[2\,\lambda 1])\Big)\Big/\left(r\,r1\,\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\right)+$$

$$\frac{1}{2\,r\,r1}\Big(\Big(2\,(r^2-2\,r\,r1+r1^2)\,\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r1+r1^2}}\,\mathrm{EllipticE}\Big[$$

$$\frac{\theta 3}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Big)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\right)-$$

$$\left(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticF}\left[\frac{\theta 3}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\right)\right)\mathrm{Sin}[3\,\lambda 1]\Bigg)\Bigg)+$$

$$\frac{1}{r^2\left(r^2-r1^2\right)}\,8\,r1^5\Bigg((1+2\,\mathrm{Cos}[2\,\lambda])\,\mathrm{Sin}[\lambda]\Bigg(-\frac{1}{2\,r\,r1}\,\mathrm{Cos}[3\,\lambda 1]$$

$$\Bigg(\Bigg(2\left(r^2-2\,r\,r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r1+r1^2}}$$

$$\mathrm{EllipticE}\left[\frac{\theta 3}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\right)-$$

$$\left(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticF}\left[\frac{\theta 3}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\right)\right)+$$

$$\left(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}\left(-r^2-r1^2+r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}+\right.\right.$$

$$\left.r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}\right)(1+2\,\mathrm{Cos}[2\,\lambda 1])\,\mathrm{Sin}[\lambda 1]\Big/$$

$$\left.\left(r\,r1\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\right)\right)+\mathrm{Cos}[\lambda]\,(-1+2\,\mathrm{Cos}[2\,\lambda])$$

$$\Bigg(\Bigg(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}\left(-r^2-r1^2+r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}+\right.$$

$$\left.r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}\right)\mathrm{Cos}[\lambda 1]$$

$$(-1+2\,\mathrm{Cos}[2\,\lambda 1])\Bigg)\Big/\left(r\,r1\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\right)+$$

$$\frac{1}{2\,r\,r1}\Bigg(\Bigg(2\left(r^2-2\,r\,r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticE}\Big[$$

$$\frac{\theta 3}{2}, -\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Big)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\right)-$$

$$\left(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticF}\Big[\frac{\theta 3}{2},\right.$$

$$\left.-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Big)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\right)\Big)\,\mathrm{Sin}[3\,\lambda 1]\Big)\Big)-$$

$$\frac{1}{r^2-r2^2}\,32\,r^2\,r2\,\Big(-\Big((1+2\,\mathrm{Cos}[2\,\lambda])\,\mathrm{Sin}[\lambda]\,\Big(-\frac{1}{2\,r\,r2}\,\mathrm{Cos}[3\,\lambda 1]$$

$$\Big(\Big(2\left(r^2-2\,r\,r2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticE}\Big[$$

$$\frac{\theta 3}{2}, -\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\Big)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\right)-$$

$$\left(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticF}\Big[\frac{\theta 3}{2},\right.$$

$$\left.-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\Big)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\right)\Big)-$$

$$\left(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}\;\Big(-r^2-r2^2+r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}+\right.$$

$$\left.r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}\Big)\,(1+2\,\mathrm{Cos}[2\,\lambda 1])\,\mathrm{Sin}[\lambda 1]\right)\Big/$$

$$\left(r\,r2\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\right)\Big)\Big)+\mathrm{Cos}[\lambda]\,(-1+2\,\mathrm{Cos}[2\,\lambda])$$

$$\Big(\Big(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}\;\Big(-r^2-r2^2+r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}+$$

$$r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}\Big)\,\mathrm{Cos}[\lambda 1]$$

$$(-1+2\,\mathrm{Cos}[2\,\lambda 1])\Big)\Big/\left(r\,r2\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\right)-$$

$$\frac{1}{2\,r\,r2}\left(\left(2\left(r^2-2\,r\,r2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta3]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticE}\left[\frac{\theta3}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta3]}\right)-\left(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta3]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticF}\left[\frac{\theta3}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta3]}\right)\right)\mathrm{Sin}[3\,\lambda1]\right)\right)+$$

$$\frac{1}{r^2-r2^2}\,12\,r2^3\left(-\left((1+2\,\mathrm{Cos}[2\,\lambda])\,\mathrm{Sin}[\lambda]\left(-\frac{1}{2\,r\,r2}\,\mathrm{Cos}[3\,\lambda1]\right.\right.\right.$$

$$\left(\left(2\left(r^2-2\,r\,r2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta3]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticE}\left[\frac{\theta3}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta3]}\right)-\left(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta3]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticF}\left[\frac{\theta3}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta3]}\right)\right)-$$

$$\left(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta3]}{r^2+r2^2}}\left(-r^2-r2^2+r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta3]}{r^2+r2^2}}+r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta3]}{r^2+r2^2}}\right)(1+2\,\mathrm{Cos}[2\,\lambda1])\,\mathrm{Sin}[\lambda1]\right)\Big/$$

$$\left.\left.\left(r\,r2\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta3]}\right)\right)\right)+\mathrm{Cos}[\lambda]\,(-1+2\,\mathrm{Cos}[2\,\lambda])$$

$$\left(\left(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta3]}{r^2+r2^2}}\left(-r^2-r2^2+r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta3]}{r^2+r2^2}}+r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta3]}{r^2+r2^2}}\right)\mathrm{Cos}[\lambda1]\right.\right.$$

$$(-1+2\,\mathrm{Cos}[2\,\lambda 1])\Big)\Big/\left(r\,r2\,\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\right)-$$

$$\frac{1}{2\,r\,r2}\left(\left(2\left(r^2-2\,r\,r2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticE}\Big[\right.\right.$$

$$\left.\frac{\theta 3}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\right)-$$

$$\left(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticF}\Big[\frac{\theta 3}{2},\right.$$

$$\left.\left.-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\right)\right)\mathrm{Sin}[3\,\lambda 1]\Big)\Big)+$$

$$\frac{1}{r^2\left(r^2-r2^2\right)}\,8\,r2^5\left(-\left((1+2\,\mathrm{Cos}[2\,\lambda])\,\mathrm{Sin}[\lambda]\left(-\frac{1}{2\,r\,r2}\,\mathrm{Cos}[3\,\lambda 1]\right.\right.\right.$$

$$\left(\left(2\left(r^2-2\,r\,r2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticE}\Big[\right.\right.$$

$$\left.\frac{\theta 3}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\right)-$$

$$\left(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticF}\Big[\frac{\theta 3}{2},\right.$$

$$\left.\left.-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\right)\right)-$$

$$\left(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}\left(-r^2-r2^2+r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}+\right.\right.$$

$$\left.r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}\right)(1+2\,\mathrm{Cos}[2\,\lambda 1])\,\mathrm{Sin}[\lambda 1]\Big)\Big/$$

$$\left.\left.\left(r\,r2\,\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\right)\right)\right)+\mathrm{Cos}[\lambda]\,(-1+2\,\mathrm{Cos}[2\,\lambda])$$

$$\left(\left(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}\left(-r^2-r2^2+r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}+\right.\right.\right.$$

$$r2^2 \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}{r^2 + r2^2}}\Bigg) \mathrm{Cos}[\lambda 1]$$

$$(-1 + 2\, \mathrm{Cos}[2\, \lambda 1])\Bigg) \Big/ \left(r\, r2\, \sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}\right) -$$

$$\frac{1}{2\, r\, r2} \Bigg(\Bigg(2\, (r^2 - 2\, r\, r2 + r2^2) \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}{r^2 - 2\, r\, r2 + r2^2}}\, \mathrm{EllipticE}\Big[$$

$$\frac{\theta 3}{2}, -\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\Big]\Bigg) \Big/ \left(\sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}\right) -$$

$$\Bigg(2\, (r^2 + r2^2) \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}{r^2 - 2\, r\, r2 + r2^2}}\, \mathrm{EllipticF}\Big[\frac{\theta 3}{2},$$

$$-\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\Big]\Bigg) \Big/ \left(\sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}\right)\Bigg) \mathrm{Sin}[3\, \lambda 1]\Bigg)\Bigg) +$$

$$\frac{1}{r^2 - r2^2}\, 32\, r^2\, r2 \Bigg((1 + 2\, \mathrm{Cos}[2\, \lambda])\, \mathrm{Sin}[\lambda] \Bigg(-\frac{1}{2\, r\, r2}\, \mathrm{Cos}[3\, \lambda 1]$$

$$\Bigg(\Bigg(2\, (r^2 - 2\, r\, r2 + r2^2) \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}{r^2 - 2\, r\, r2 + r2^2}}$$

$$\mathrm{EllipticE}\Big[\frac{\theta 3}{2}, -\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\Big]\Bigg) \Big/ \left(\sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}\right) -$$

$$\Bigg(2\, (r^2 + r2^2) \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}{r^2 - 2\, r\, r2 + r2^2}}\, \mathrm{EllipticF}\Big[\frac{\theta 3}{2},$$

$$-\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\Big]\Bigg) \Big/ \left(\sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}\right)\Bigg) +$$

$$\Bigg(\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}{r^2 + r2^2}} \Bigg(-r^2 - r2^2 + r^2 \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}{r^2 + r2^2}} +$$

$$r2^2 \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}{r^2 + r2^2}}\Bigg) (1 + 2\, \mathrm{Cos}[2\, \lambda 1])\, \mathrm{Sin}[\lambda 1]\Bigg) \Big/$$

$$\left(r\, r2\, \sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}\right)\Bigg) + \mathrm{Cos}[\lambda]\, (-1 + 2\, \mathrm{Cos}[2\, \lambda])$$

$$\left(\left(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}\left(-r^2-r2^2+r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}+\right.\right.\right.$$

$$\left.r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}\right)\mathrm{Cos}[\lambda 1]$$

$$\left.(-1+2\,\mathrm{Cos}[2\,\lambda 1])\right)\Big/\left(r\,r2\,\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\right)+$$

$$\frac{1}{2\,r\,r2}\left(\left(2\left(r^2-2\,r\,r2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r2+r2^2}}\,\mathrm{EllipticE}\Big[\right.\right.$$

$$\left.\frac{\theta 3}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\right)-$$

$$\left(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r2+r2^2}}\,\mathrm{EllipticF}\Big[\frac{\theta 3}{2},\right.$$

$$\left.\left.\left.-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\right)\right)\mathrm{Sin}[3\,\lambda 1]\right)\right)-$$

$$\frac{1}{r^2-r2^2}\,12\,r2^3\left((1+2\,\mathrm{Cos}[2\,\lambda])\,\mathrm{Sin}[\lambda]\left(-\frac{1}{2\,r\,r2}\,\mathrm{Cos}[3\,\lambda 1]\right.\right.$$

$$\left(\left(2\left(r^2-2\,r\,r2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r2+r2^2}}\right.\right.$$

$$\left.\mathrm{EllipticE}\Big[\frac{\theta 3}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\right)-$$

$$\left(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r2+r2^2}}\,\mathrm{EllipticF}\Big[\frac{\theta 3}{2},\right.$$

$$\left.\left.-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\right)\right)+$$

$$\left(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}\left(-r^2-r2^2+r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}+\right.\right.$$

$$\left.\left.r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}\right)(1+2\,\mathrm{Cos}[2\,\lambda 1])\,\mathrm{Sin}[\lambda 1]\right)\Big/$$

$$\left(r\, r2\, \sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}\right)\Bigg) + \mathrm{Cos}[\lambda]\, (-1 + 2\, \mathrm{Cos}[2\, \lambda])$$

$$\Bigg(\Bigg(\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}{r^2 + r2^2}}\, \Bigg(-r^2 - r2^2 + r^2\, \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}{r^2 + r2^2}} +$$

$$r2^2\, \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}{r^2 + r2^2}}\Bigg)\, \mathrm{Cos}[\lambda 1]$$

$$(-1 + 2\, \mathrm{Cos}[2\, \lambda 1])\Bigg) \Big/ \left(r\, r2\, \sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}\right) +$$

$$\frac{1}{2\, r\, r2}\, \Bigg(\Bigg(2\, \left(r^2 - 2\, r\, r2 + r2^2\right)\, \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}{r^2 - 2\, r\, r2 + r2^2}}\, \mathrm{EllipticE}\Big[$$

$$\frac{\theta 3}{2}, -\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\Big]\Bigg) \Big/ \left(\sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}\right) -$$

$$\Bigg(2\, \left(r^2 + r2^2\right)\, \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}{r^2 - 2\, r\, r2 + r2^2}}\, \mathrm{EllipticF}\Big[\frac{\theta 3}{2},$$

$$-\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\Big]\Bigg) \Big/ \left(\sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}\right)\Bigg)\, \mathrm{Sin}[3\, \lambda 1]\Bigg)\Bigg) -$$

$$\frac{1}{r^2\, \left(r^2 - r2^2\right)}\, 8\, r2^5\, \Bigg((1 + 2\, \mathrm{Cos}[2\, \lambda])\, \mathrm{Sin}[\lambda]\, \Bigg(-\frac{1}{2\, r\, r2}\, \mathrm{Cos}[3\, \lambda 1]$$

$$\Bigg(\Bigg(2\, \left(r^2 - 2\, r\, r2 + r2^2\right)\, \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}{r^2 - 2\, r\, r2 + r2^2}}$$

$$\mathrm{EllipticE}\Big[\frac{\theta 3}{2}, -\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\Big]\Bigg) \Big/ \left(\sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}\right) -$$

$$\Bigg(2\, \left(r^2 + r2^2\right)\, \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}{r^2 - 2\, r\, r2 + r2^2}}\, \mathrm{EllipticF}\Big[\frac{\theta 3}{2},$$

$$-\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\Big]\Bigg) \Big/ \left(\sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}\right)\Bigg) +$$

$$\Bigg(\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}{r^2 + r2^2}}\, \Bigg(-r^2 - r2^2 + r^2\, \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}{r^2 + r2^2}} +$$

$$r2^2 \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}{r^2 + r2^2}}\Bigg)\, (1 + 2\, \mathrm{Cos}[2\, \lambda 1])\, \mathrm{Sin}[\lambda 1]\Bigg) \Big/$$

$$\left(r\, r2\, \sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}\right)\Bigg) + \mathrm{Cos}[\lambda]\, (-1 + 2\, \mathrm{Cos}[2\, \lambda])$$

$$\Bigg(\Bigg(\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}{r^2 + r2^2}}\, \Bigg(-r^2 - r2^2 + r^2 \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}{r^2 + r2^2}} +$$

$$r2^2 \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}{r^2 + r2^2}}\Bigg)\, \mathrm{Cos}[\lambda 1]$$

$$(-1 + 2\, \mathrm{Cos}[2\, \lambda 1])\Bigg) \Big/ \left(r\, r2\, \sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}\right) +$$

$$\frac{1}{2\, r\, r2}\Bigg(\Bigg(2\, (r^2 - 2\, r\, r2 + r2^2)\, \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}{r^2 - 2\, r\, r2 + r2^2}}\, \mathrm{EllipticE}\Big[$$

$$\frac{\theta 3}{2}, -\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\Big]\Bigg) \Big/ \left(\sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}\right) -$$

$$\Bigg(2\, (r^2 + r2^2)\, \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}{r^2 - 2\, r\, r2 + r2^2}}\, \mathrm{EllipticF}\Big[\frac{\theta 3}{2},$$

$$-\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\Big]\Bigg) \Big/ \left(\sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}\right)\Bigg)\, \mathrm{Sin}[3\, \lambda 1]\Bigg)\Bigg) -$$

$$\Bigg(64\, r\, r1^2 \sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 3]}{r^2 - 2\, r\, r1 + r1^2}}\, \mathrm{EllipticF}\Big[\frac{\theta 3}{2}, -\frac{4\, r\, r1}{r^2 - 2\, r\, r1 + r1^2}\Big]$$

$$\mathrm{Sin}[$$

$$3\, \lambda - 3\, \lambda 2]\Bigg) \Big/$$

$$\left((r^2 - r1^2)\, \sqrt{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 3]}\right) +$$

$$\frac{16\, r1^4 \sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 3]}{r^2 - 2\, r\, r1 + r1^2}}\, \mathrm{EllipticF}\Big[\frac{\theta 3}{2}, -\frac{4\, r\, r1}{r^2 - 2\, r\, r1 + r1^2}\Big]\, \mathrm{Sin}[3\, \lambda - 3\, \lambda 2]}{r\, (r^2 - r1^2)\, \sqrt{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 3]}} +$$

$$\Bigg(64$$

$$r$$

$$r2^2$$

$$\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}{r^2 - 2\, r\, r2 + r2^2}}$$

$$\mathrm{EllipticF}\Big[\frac{\theta 3}{2}, -\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\Big]\, \mathrm{Sin}[3\,\lambda - 3\,\lambda 2]\Big) \Big/ \Big(\left(r^2 - r2^2\right) \sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}\Big) -$$

$$\frac{16\, r2^4 \sqrt{\frac{r^2+r2^2-2\, r\, r2\, \mathrm{Cos}[\theta 3]}{r^2-2\, r\, r2+r2^2}}\, \mathrm{EllipticF}\Big[\frac{\theta 3}{2}, -\frac{4\, r\, r2}{r^2-2\, r\, r2+r2^2}\Big]\, \mathrm{Sin}[3\,\lambda - 3\,\lambda 2]}{r\left(r^2 - r2^2\right) \sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}} +$$

$$\frac{144\, r1^4 \sqrt{\frac{r^2+r1^2-2\, r\, r1\, \mathrm{Cos}[\theta 3]}{r^2-2\, r\, r1+r1^2}}\, \mathrm{EllipticF}\Big[\frac{\theta 3}{2}, -\frac{4\, r\, r1}{r^2-2\, r\, r1+r1^2}\Big]\, \mathrm{Sin}[\lambda - \lambda 2]}{r\left(r^2 - r1^2\right) \sqrt{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 3]}} -$$

$$\frac{144\, r2^4 \sqrt{\frac{r^2+r2^2-2\, r\, r2\, \mathrm{Cos}[\theta 3]}{r^2-2\, r\, r2+r2^2}}\, \mathrm{EllipticF}\Big[\frac{\theta 3}{2}, -\frac{4\, r\, r2}{r^2-2\, r\, r2+r2^2}\Big]\, \mathrm{Sin}[\lambda - \lambda 2]}{r\left(r^2 - r2^2\right) \sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}} -$$

$$\frac{1}{r^2 - r1^2}\, 36\, r1^3 \Bigg(-\mathrm{Sin}[\lambda]$$

$$\Bigg(-\frac{1}{2\, r\, r1}\, \mathrm{Cos}[\lambda 2]\, \Bigg(\Bigg(2\left(r^2 - 2\, r\, r1 + r1^2\right) \sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 3]}{r^2 - 2\, r\, r1 + r1^2}}$$

$$\mathrm{EllipticE}\Big[\frac{\theta 3}{2}, -\frac{4\, r\, r1}{r^2 - 2\, r\, r1 + r1^2}\Big]\Bigg) \Big/ \Big(\sqrt{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 3]}\Big) -$$

$$\Bigg(2\left(r^2 + r1^2\right) \sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 3]}{r^2 - 2\, r\, r1 + r1^2}}\, \mathrm{EllipticF}\Big[\frac{\theta 3}{2},$$

$$-\frac{4\, r\, r1}{r^2 - 2\, r\, r1 + r1^2}\Big]\Bigg) \Big/ \Big(\sqrt{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 3]}\Big)\Bigg) -$$

$$\left(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}\left(-r^2-r1^2+r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}+r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}\right)\mathrm{Sin}[\lambda 2]\right)\Big/\left(r\,r1\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\right)\Bigg)+\mathrm{Cos}[\lambda]$$

$$\left(\left(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}\left(-r^2-r1^2+r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}+r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}\right)\mathrm{Cos}[\lambda 2]\right)\Big/\left(r\,r1\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\right)-\frac{1}{2\,r\,r1}\left(\left(2\left(r^2-2\,r\,r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r1+r1^2}}\,\mathrm{EllipticE}\left[\frac{\theta 3}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\right)-\left(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r1+r1^2}}\,\mathrm{EllipticF}\left[\frac{\theta 3}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\right)\right)\mathrm{Sin}[\lambda 2]\right)\right)+\frac{1}{r^2\left(r^2-r1^2\right)}\,72\,r1^5$$

$$\left(-\mathrm{Sin}[\lambda]\left(-\frac{1}{2\,r\,r1}\,\mathrm{Cos}[\lambda 2]\left(\left(2\left(r^2-2\,r\,r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r1+r1^2}}\,\mathrm{EllipticE}\left[\frac{\theta 3}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\right)-\left(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r1+r1^2}}\,\mathrm{EllipticF}\left[\frac{\theta 3}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\right)\right)-$$

$$\left(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}\left(-r^2-r1^2+r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}+r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}\right)\mathrm{Sin}[\lambda 2]\right)\Big/\left(r\,r1\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\right)\Bigg)+\mathrm{Cos}[\lambda]$$

$$\left(\left(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}\left(-r^2-r1^2+r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}+r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}\right)\mathrm{Cos}[\lambda 2]\right)\Big/\left(r\,r1\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\right)-\frac{1}{2\,r\,r1}\left(\left(2\left(r^2-2\,r\,r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r1+r1^2}}\,\mathrm{EllipticE}\left[\frac{\theta 3}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\right)-\left(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r1+r1^2}}\,\mathrm{EllipticF}\left[\frac{\theta 3}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\right)\right)\mathrm{Sin}[\lambda 2]\right)\right)+\frac{1}{r^2-r1^2}\,36\,r1^3$$

$$\left(\mathrm{Sin}[\lambda]\left(-\frac{1}{2\,r\,r1}\,\mathrm{Cos}[\lambda 2]\left(\left(2\left(r^2-2\,r\,r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r1+r1^2}}\,\mathrm{EllipticE}\left[\frac{\theta 3}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\right)-\left(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r1+r1^2}}\,\mathrm{EllipticF}\left[\frac{\theta 3}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\right)\right)+$$

$$\left(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}\left(-r^2-r1^2+r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}+r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}\right)\mathrm{Sin}[\lambda 2]\right)\Big/\left(r\,r1\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\right)\Bigg)+\mathrm{Cos}[\lambda]$$

$$\left(\left(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}\left(-r^2-r1^2+r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}+r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}\right)\mathrm{Cos}[\lambda 2]\right)\Big/\left(r\,r1\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\right)+\frac{1}{2\,r\,r1}\left(\left(2\left(r^2-2\,r\,r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r1+r1^2}}\,\mathrm{EllipticE}\left[\frac{\theta 3}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\right)-\left(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r1+r1^2}}\,\mathrm{EllipticF}\left[\frac{\theta 3}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\right)\right)\mathrm{Sin}[\lambda 2]\right)\Bigg)-\frac{1}{r^2\left(r^2-r1^2\right)}\,72\,r1^5$$

$$\left(\mathrm{Sin}[\lambda]\left(-\frac{1}{2\,r\,r1}\,\mathrm{Cos}[\lambda 2]\left(\left(2\left(r^2-2\,r\,r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r1+r1^2}}\,\mathrm{EllipticE}\left[\frac{\theta 3}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\right)-\left(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r1+r1^2}}\,\mathrm{EllipticF}\left[\frac{\theta 3}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\right)\right)+$$

$$\left(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}\left(-r^2-r1^2+r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}+r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}\right)\mathrm{Sin}[\lambda 2]\right)\Big/\left(r\,r1\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\right)\Bigg)+\mathrm{Cos}[\lambda]$$

$$\left(\left(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}\left(-r^2-r1^2+r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}+r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}\right)\mathrm{Cos}[\lambda 2]\right)\Big/\left(r\,r1\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\right)+\frac{1}{2\,r\,r1}\left(\left(2\left(r^2-2\,r\,r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r1+r1^2}}\,\mathrm{EllipticE}\left[\frac{\theta 3}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\right)-\left(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r1+r1^2}}\,\mathrm{EllipticF}\left[\frac{\theta 3}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\right)\right)\mathrm{Sin}[\lambda 2]\right)\right)+\frac{1}{r^2-r2^2}\,36\,r2^3$$

$$\left(-\mathrm{Sin}[\lambda]\left(-\frac{1}{2\,r\,r2}\,\mathrm{Cos}[\lambda 2]\left(\left(2\left(r^2-2\,r\,r2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r2+r2^2}}\,\mathrm{EllipticE}\left[\frac{\theta 3}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\right)-\left(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r2+r2^2}}\,\mathrm{EllipticF}\left[\frac{\theta 3}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\right)\right)-$$

$$\left(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}\left(-r^2-r2^2+r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}+r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}\right)\mathrm{Sin}[\lambda 2]\right)\Big/\left(r\,r2\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\right)\Bigg)+\mathrm{Cos}[\lambda]$$

$$\left(\left(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}\left(-r^2-r2^2+r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}+r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}\right)\right.\right.$$

$$\left.\mathrm{Cos}[\lambda 2]\right)\Big/\left(r\,r2\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\right)-$$

$$\frac{1}{2\,r\,r2}\left(\left(2\left(r^2-2\,r\,r2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r2+r2^2}}\,\mathrm{EllipticE}\left[\frac{\theta 3}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\right)-\left(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r2+r2^2}}\,\mathrm{EllipticF}\left[\frac{\theta 3}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\right)\right)\mathrm{Sin}[\lambda 2]\Bigg)\Bigg)-\frac{1}{r^2\left(r^2-r2^2\right)}\,72\,r2^5$$

$$\left(-\mathrm{Sin}[\lambda]\left(-\frac{1}{2\,r\,r2}\,\mathrm{Cos}[\lambda 2]\left(\left(2\left(r^2-2\,r\,r2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r2+r2^2}}\,\mathrm{EllipticE}\left[\frac{\theta 3}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\right)-\right.\right.$$

$$\left(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r2+r2^2}}\,\mathrm{EllipticF}\left[\frac{\theta 3}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\right)\Bigg)-$$

$$\left(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}\left(-r^2-r2^2+r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}+r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}\right)\mathrm{Sin}[\lambda 2]\right)\Big/\left(r\,r2\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\right)\Bigg)+\mathrm{Cos}[\lambda]$$

$$\left(\left(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}\left(-r^2-r2^2+r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}+r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}\right)\right.\right.$$

$$\left.\mathrm{Cos}[\lambda 2]\right)\Big/\left(r\,r2\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\right)-$$

$$\frac{1}{2\,r\,r2}\left(\left(2\left(r^2-2\,r\,r2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r2+r2^2}}\,\mathrm{EllipticE}\left[\frac{\theta 3}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\right)-\left(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r2+r2^2}}\,\mathrm{EllipticF}\left[\frac{\theta 3}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\right)\right)\mathrm{Sin}[\lambda 2]\Bigg)\Bigg)-\frac{1}{r^2-r2^2}\,36\,r2^3$$

$$\left(\mathrm{Sin}[\lambda]\left(-\frac{1}{2\,r\,r2}\,\mathrm{Cos}[\lambda 2]\left(\left(2\left(r^2-2\,r\,r2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r2+r2^2}}\right.\right.\right.\right.$$

$$\left.\mathrm{EllipticE}\left[\frac{\theta 3}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\right)-$$

$$\left(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r2+r2^2}}\,\mathrm{EllipticF}\left[\frac{\theta 3}{2},\right.\right.$$

$$\left.\left.-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\right)\Bigg)+$$

$$\left(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}\left(-r^2-r2^2+r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}+r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}\right)\mathrm{Sin}[\lambda 2]\right)\Big/\left(r\,r2\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\right)\Bigg)+\mathrm{Cos}[\lambda]$$

$$\left(\left(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}\left(-r^2-r2^2+r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}+r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}\right)\right.\right.$$

$$\left.\mathrm{Cos}[\lambda 2]\right)\Big/\left(r\,r2\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\right)+$$

$$\frac{1}{2\,r\,r2}\left(\left(2\left(r^2-2\,r\,r2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r2+r2^2}}\,\mathrm{EllipticE}\left[\frac{\theta 3}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\right)-\left(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r2+r2^2}}\,\mathrm{EllipticF}\left[\frac{\theta 3}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\right)\right)\mathrm{Sin}[\lambda 2]\Bigg)\Bigg)+\frac{1}{r^2\left(r^2-r2^2\right)}\,72\,r2^5$$

$$\left(\mathrm{Sin}[\lambda]\left(-\frac{1}{2\,r\,r2}\,\mathrm{Cos}[\lambda 2]\left(\left(2\left(r^2-2\,r\,r2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r2+r2^2}}\,\mathrm{EllipticE}\left[\frac{\theta 3}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\right)-\right.\right.$$

$$\left(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r2+r2^2}}\,\mathrm{EllipticF}\left[\frac{\theta 3}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\right)\Bigg)+$$

$$\left(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}\left(-r^2-r2^2+r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}+r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}\right)\mathrm{Sin}[\lambda 2]\right)\Big/\left(r\,r2\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\right)\Bigg)+\mathrm{Cos}[\lambda]$$

$$\left(\left(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}\left(-r^2-r2^2+r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}+r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}\right)\right.\right.$$

$$\left.\mathrm{Cos}[\lambda 2]\right)\Big/\left(r\,r2\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\right)+$$

$$\frac{1}{2\,r\,r2}\left(\left(2\left(r^2-2\,r\,r2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r2+r2^2}}\,\mathrm{EllipticE}\left[\frac{\theta 3}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\right)-\right.$$

$$\left(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r2+r2^2}}\,\mathrm{EllipticF}\left[\frac{\theta 3}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\right)\Bigg)\,\mathrm{Sin}[\lambda 2]\Bigg)\Bigg)-$$

$$\frac{1}{r^2-r1^2}\,32\,r^2\,r1\left(-\left((1+2\,\mathrm{Cos}[2\,\lambda])\,\mathrm{Sin}[\lambda]\left(-\frac{1}{2\,r\,r1}\,\mathrm{Cos}[3\,\lambda 2]\right.\right.\right.$$

$$\left(\left(2\left(r^2-2\,r\,r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r1+r1^2}}\,\mathrm{EllipticE}\left[\frac{\theta 3}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\right)-\right.$$

$$\left(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r1+r1^2}}\,\mathrm{EllipticF}\left[\frac{\theta 3}{2},\right.\right.$$

$$-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Big)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\right)\Big)-$$

$$\left(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}\left(-r^2-r1^2+r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}+\right.\right.$$

$$\left.r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}\right)(1+2\,\mathrm{Cos}[2\,\lambda 2])\,\mathrm{Sin}[\lambda 2]\Big)\Big/$$

$$\left.\left(r\,r1\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\right)\right)\Big)+\mathrm{Cos}[\lambda]\,(-1+2\,\mathrm{Cos}[2\,\lambda])$$

$$\left(\left(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}\left(-r^2-r1^2+r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}+\right.\right.\right.$$

$$\left.r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}\right)\mathrm{Cos}[\lambda 2]$$

$$\left.(-1+2\,\mathrm{Cos}[2\,\lambda 2])\right)\Big/\left(r\,r1\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\right)-$$

$$\frac{1}{2\,r\,r1}\left(\left(2\left(r^2-2\,r\,r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r1+r1^2}}\,\mathrm{EllipticE}\Big[\right.\right.$$

$$\left.\frac{\theta 3}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\right)-$$

$$\left(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r1+r1^2}}\,\mathrm{EllipticF}\Big[\frac{\theta 3}{2},\right.$$

$$\left.\left.-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\right)\right)\mathrm{Sin}[3\,\lambda 2]\Big)\Big)+$$

$$\frac{1}{r^2-r1^2}\,12\,r1^3\left(-\left((1+2\,\mathrm{Cos}[2\,\lambda])\,\mathrm{Sin}[\lambda]\left(-\frac{1}{2\,r\,r1}\,\mathrm{Cos}[3\,\lambda 2]\right.\right.\right.$$

$$\left(\left(2\left(r^2-2\,r\,r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r1+r1^2}}\,\mathrm{EllipticE}\Big[\right.\right.$$

$$\left.\frac{\theta 3}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\right)-$$

$$\left(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticF}\left[\frac{\theta 3}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\right)\Bigg)-$$

$$\left(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}\left(-r^2-r1^2+r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}+r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}\right)(1+2\,\mathrm{Cos}[2\,\lambda 2])\,\mathrm{Sin}[\lambda 2]\right)\Big/$$

$$\left(r\,r1\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\right)\Bigg)\Bigg)+\mathrm{Cos}[\lambda]\,(-1+2\,\mathrm{Cos}[2\,\lambda])$$

$$\left(\left(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}\left(-r^2-r1^2+r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}+r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}\right)\mathrm{Cos}[\lambda 2]\right.\right.$$

$$\left.(-1+2\,\mathrm{Cos}[2\,\lambda 2])\right)\Big/\left(r\,r1\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\right)-$$

$$\frac{1}{2\,r\,r1}\left(\left(2\left(r^2-2\,r\,r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticE}\left[\frac{\theta 3}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\right)-\right.$$

$$\left(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticF}\left[\frac{\theta 3}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\right)\Bigg)\,\mathrm{Sin}[3\,\lambda 2]\Bigg)\Bigg)+$$

$$\frac{1}{r^2\left(r^2-r1^2\right)}\,8\,r1^5\left(-\left((1+2\,\mathrm{Cos}[2\,\lambda])\,\mathrm{Sin}[\lambda]\left(-\frac{1}{2\,r\,r1}\,\mathrm{Cos}[3\,\lambda 2]\right.\right.\right.$$

$$\left(\left(2\left(r^2-2\,r\,r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticE}\right[\right.$$

$$\frac{\theta 3}{2}, -\frac{4\, r\, r1}{r^2 - 2\, r\, r1 + r1^2}\Big]\Big) \Big/ \left(\sqrt{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 3]}\right) -$$

$$\left(2\left(r^2 + r1^2\right)\sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 3]}{r^2 - 2\, r\, r1 + r1^2}}\ \mathrm{EllipticF}\Big[\frac{\theta 3}{2},\right.$$

$$\left.-\frac{4\, r\, r1}{r^2 - 2\, r\, r1 + r1^2}\Big]\right) \Big/ \left(\sqrt{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 3]}\right)\Bigg) -$$

$$\left(\sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 3]}{r^2 + r1^2}}\left(-r^2 - r1^2 + r^2\sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 3]}{r^2 + r1^2}} +\right.\right.$$

$$\left.r1^2\sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 3]}{r^2 + r1^2}}\right)(1 + 2\,\mathrm{Cos}[2\,\lambda 2])\,\mathrm{Sin}[\lambda 2]\Big) \Big/$$

$$\left.\left(r\, r1\sqrt{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 3]}\right)\right)\Bigg) + \mathrm{Cos}[\lambda]\,(-1 + 2\,\mathrm{Cos}[2\,\lambda])$$

$$\left(\left(\sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 3]}{r^2 + r1^2}}\left(-r^2 - r1^2 + r^2\sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 3]}{r^2 + r1^2}} +\right.\right.\right.$$

$$\left.r1^2\sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 3]}{r^2 + r1^2}}\right)\mathrm{Cos}[\lambda 2]$$

$$(-1 + 2\,\mathrm{Cos}[2\,\lambda 2])\Big) \Big/ \left(r\, r1\sqrt{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 3]}\right) -$$

$$\frac{1}{2\, r\, r1}\left(\left(2\left(r^2 - 2\, r\, r1 + r1^2\right)\sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 3]}{r^2 - 2\, r\, r1 + r1^2}}\ \mathrm{EllipticE}\Big[\right.\right.$$

$$\frac{\theta 3}{2}, -\frac{4\, r\, r1}{r^2 - 2\, r\, r1 + r1^2}\Big]\Big) \Big/ \left(\sqrt{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 3]}\right) -$$

$$\left(2\left(r^2 + r1^2\right)\sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 3]}{r^2 - 2\, r\, r1 + r1^2}}\ \mathrm{EllipticF}\Big[\frac{\theta 3}{2},\right.$$

$$\left.\left.\left.-\frac{4\, r\, r1}{r^2 - 2\, r\, r1 + r1^2}\Big]\right) \Big/ \left(\sqrt{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 3]}\right)\right)\mathrm{Sin}[3\,\lambda 2]\right)\right) +$$

$$\frac{1}{r^2 - r1^2}\, 32\, r^2\, r1\left((1 + 2\,\mathrm{Cos}[2\,\lambda])\,\mathrm{Sin}[\lambda]\left(-\frac{1}{2\, r\, r1}\,\mathrm{Cos}[3\,\lambda 2]\right.\right.$$

$$\left(\left(2\left(r^2-2\,r\,r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r1+r1^2}}\right.\right.$$

$$\left.\mathrm{EllipticE}\left[\frac{\theta 3}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\right)-$$

$$\left(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticF}\left[\frac{\theta 3}{2},\right.\right.$$

$$\left.\left.-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\right)\Bigg)+$$

$$\left(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}\left(-r^2-r1^2+r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}+\right.\right.$$

$$\left.\left.r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}\right)(1+2\,\mathrm{Cos}[2\,\lambda 2])\,\mathrm{Sin}[\lambda 2]\right)\Big/$$

$$\left.\left(r\,r1\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\right)\right)+\mathrm{Cos}[\lambda]\,(-1+2\,\mathrm{Cos}[2\,\lambda])$$

$$\left(\left(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}\left(-r^2-r1^2+r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}+\right.\right.\right.$$

$$\left.\left.r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}\right)\mathrm{Cos}[\lambda 2]\right.$$

$$\left.(-1+2\,\mathrm{Cos}[2\,\lambda 2])\right)\Big/\left(r\,r1\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\right)+$$

$$\frac{1}{2\,r\,r1}\left(\left(2\left(r^2-2\,r\,r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticE}\left[\right.\right.\right.$$

$$\left.\left.\frac{\theta 3}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\right)-$$

$$\left(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticF}\left[\frac{\theta 3}{2},\right.\right.$$

$$\left.\left.\left.-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\right)\right)\mathrm{Sin}[3\,\lambda 2]\right)\Bigg)-$$

$$\frac{1}{r^2 - r1^2}\, 12\, r1^3 \Bigg((1 + 2\,\mathrm{Cos}[2\,\lambda])\,\mathrm{Sin}[\lambda] \Bigg(-\frac{1}{2\,r\,r1}\,\mathrm{Cos}[3\,\lambda 2]$$

$$\Bigg(\Bigg(2\,(r^2 - 2\,r\,r1 + r1^2)\,\sqrt{\frac{r^2 + r1^2 - 2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2 - 2\,r\,r1 + r1^2}}$$

$$\mathrm{EllipticE}\Big[\frac{\theta 3}{2}, -\frac{4\,r\,r1}{r^2 - 2\,r\,r1 + r1^2}\Big]\Bigg) \Big/ \Big(\sqrt{r^2 + r1^2 - 2\,r\,r1\,\mathrm{Cos}[\theta 3]}\Big) -$$

$$\Bigg(2\,(r^2 + r1^2)\,\sqrt{\frac{r^2 + r1^2 - 2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2 - 2\,r\,r1 + r1^2}}\,\mathrm{EllipticF}\Big[\frac{\theta 3}{2},$$

$$-\frac{4\,r\,r1}{r^2 - 2\,r\,r1 + r1^2}\Big]\Bigg) \Big/ \Big(\sqrt{r^2 + r1^2 - 2\,r\,r1\,\mathrm{Cos}[\theta 3]}\Big)\Bigg) +$$

$$\Bigg(\sqrt{\frac{r^2 + r1^2 - 2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2 + r1^2}}\,\Bigg(-r^2 - r1^2 + r^2\,\sqrt{\frac{r^2 + r1^2 - 2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2 + r1^2}} +$$

$$r1^2\,\sqrt{\frac{r^2 + r1^2 - 2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2 + r1^2}}\Bigg)\,(1 + 2\,\mathrm{Cos}[2\,\lambda 2])\,\mathrm{Sin}[\lambda 2]\Bigg) \Big/$$

$$\Big(r\,r1\,\sqrt{r^2 + r1^2 - 2\,r\,r1\,\mathrm{Cos}[\theta 3]}\Big)\Bigg) + \mathrm{Cos}[\lambda]\,(-1 + 2\,\mathrm{Cos}[2\,\lambda])$$

$$\Bigg(\Bigg(\sqrt{\frac{r^2 + r1^2 - 2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2 + r1^2}}\,\Bigg(-r^2 - r1^2 + r^2\,\sqrt{\frac{r^2 + r1^2 - 2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2 + r1^2}} +$$

$$r1^2\,\sqrt{\frac{r^2 + r1^2 - 2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2 + r1^2}}\Bigg)\,\mathrm{Cos}[\lambda 2]$$

$$(-1 + 2\,\mathrm{Cos}[2\,\lambda 2])\Bigg) \Big/ \Big(r\,r1\,\sqrt{r^2 + r1^2 - 2\,r\,r1\,\mathrm{Cos}[\theta 3]}\Big) +$$

$$\frac{1}{2\,r\,r1}\Bigg(\Bigg(2\,(r^2 - 2\,r\,r1 + r1^2)\,\sqrt{\frac{r^2 + r1^2 - 2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2 - 2\,r\,r1 + r1^2}}\,\mathrm{EllipticE}\Big[$$

$$\frac{\theta 3}{2}, -\frac{4\,r\,r1}{r^2 - 2\,r\,r1 + r1^2}\Big]\Bigg) \Big/ \Big(\sqrt{r^2 + r1^2 - 2\,r\,r1\,\mathrm{Cos}[\theta 3]}\Big) -$$

$$\Bigg(2\,(r^2 + r1^2)\,\sqrt{\frac{r^2 + r1^2 - 2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2 - 2\,r\,r1 + r1^2}}\,\mathrm{EllipticF}\Big[\frac{\theta 3}{2},$$

$$-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Big)\Big/\Big(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\Big)\Big)\,\mathrm{Sin}[3\,\lambda 2]\Big)\Big)-$$

$$\frac{1}{r^2\left(r^2-r1^2\right)}\,8\,r1^5\Big((1+2\,\mathrm{Cos}[2\,\lambda])\,\mathrm{Sin}[\lambda]\Big(-\frac{1}{2\,r\,r1}\,\mathrm{Cos}[3\,\lambda 2]$$

$$\Big(\Big(2\left(r^2-2\,r\,r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r1+r1^2}}$$

$$\mathrm{EllipticE}\Big[\frac{\theta 3}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Big)\Big/\Big(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\Big)-$$

$$\Big(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r1+r1^2}}\,\mathrm{EllipticF}\Big[\frac{\theta 3}{2},$$

$$-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Big)\Big/\Big(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\Big)\Big)+$$

$$\Big(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}\Big(-r^2-r1^2+r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}+$$

$$r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}\Big)(1+2\,\mathrm{Cos}[2\,\lambda 2])\,\mathrm{Sin}[\lambda 2]\Big)\Big/$$

$$\Big(r\,r1\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\Big)\Big)+\mathrm{Cos}[\lambda]\,(-1+2\,\mathrm{Cos}[2\,\lambda])$$

$$\Big(\Big(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}\Big(-r^2-r1^2+r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}+$$

$$r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}\Big)\mathrm{Cos}[\lambda 2]$$

$$(-1+2\,\mathrm{Cos}[2\,\lambda 2])\Big)\Big/\Big(r\,r1\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\Big)+$$

$$\frac{1}{2\,r\,r1}\Big(\Big(2\left(r^2-2\,r\,r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r1+r1^2}}\,\mathrm{EllipticE}\Big[$$

$$\frac{\theta 3}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Big)\Big/\Big(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\Big)-$$

$$\left(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticF}\left[\frac{\theta 3}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\right)\Bigg)\,\mathrm{Sin}[3\,\lambda 2]\Bigg)\Bigg)+$$

$$\frac{1}{r^2-r2^2}\,32\,r^2\,r2\Bigg(-\Bigg((1+2\,\mathrm{Cos}[2\,\lambda])\,\mathrm{Sin}[\lambda]\Bigg(-\frac{1}{2\,r\,r2}\,\mathrm{Cos}[3\,\lambda 2]$$

$$\Bigg(\Bigg(2\left(r^2-2\,r\,r2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticE}\left[\frac{\theta 3}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\Bigg)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\right)-$$

$$\Bigg(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticF}\left[\frac{\theta 3}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\Bigg)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\right)\Bigg)-$$

$$\Bigg(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}\Bigg(-r^2-r2^2+r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}+$$

$$r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}\Bigg)(1+2\,\mathrm{Cos}[2\,\lambda 2])\,\mathrm{Sin}[\lambda 2]\Bigg)\Big/$$

$$\left(r\,r2\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\right)\Bigg)\Bigg)+\mathrm{Cos}[\lambda]\,(-1+2\,\mathrm{Cos}[2\,\lambda])$$

$$\Bigg(\Bigg(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}\Bigg(-r^2-r2^2+r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}+$$

$$r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}\Bigg)\mathrm{Cos}[\lambda 2]$$

$$(-1+2\,\mathrm{Cos}[2\,\lambda 2])\Bigg)\Big/\left(r\,r2\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\right)-$$

$$\frac{1}{2\,r\,r2}\Bigg(\Bigg(2\left(r^2-2\,r\,r2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticE}\Big[$$

$$\frac{\theta 3}{2}, -\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\Big)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\right)-$$

$$\left(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticF}\Big[\frac{\theta 3}{2},\right.$$

$$\left.-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\Big)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\right)\Big)\,\mathrm{Sin}[3\,\lambda 2]\Big)\Big)-$$

$$\frac{1}{r^2-r2^2}\,12\,r2^3\left(-\left((1+2\,\mathrm{Cos}[2\,\lambda])\,\mathrm{Sin}[\lambda]\left(-\frac{1}{2\,r\,r2}\,\mathrm{Cos}[3\,\lambda 2]\right.\right.\right.$$

$$\left(\left(2\left(r^2-2\,r\,r2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticE}\Big[\right.\right.$$

$$\frac{\theta 3}{2}, -\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\Big)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\right)-$$

$$\left(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticF}\Big[\frac{\theta 3}{2},\right.$$

$$\left.-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\Big)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\right)\Big)-$$

$$\left(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}\left(-r^2-r2^2+r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}+\right.\right.$$

$$\left.r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}\right)(1+2\,\mathrm{Cos}[2\,\lambda 2])\,\mathrm{Sin}[\lambda 2]\Big)\Big/$$

$$\left.\left.\left(r\,r2\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\right)\right)\right)+\mathrm{Cos}[\lambda]\,(-1+2\,\mathrm{Cos}[2\,\lambda])$$

$$\left(\left(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}\left(-r^2-r2^2+r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}+\right.\right.\right.$$

$$\left.r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}\right)\mathrm{Cos}[\lambda 2]$$

$$\left.(-1+2\,\mathrm{Cos}[2\,\lambda 2])\right)\Big/\left(r\,r2\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\right)-$$

$$\frac{1}{2\,r\,r2}\left(\left(2\left(r^2-2\,r\,r2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta3]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticE}\left[\frac{\theta3}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta3]}\right)-\left(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta3]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticF}\left[\frac{\theta3}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta3]}\right)\right)\mathrm{Sin}[3\,\lambda2]\right)\right)-$$

$$\frac{1}{r^2\left(r^2-r2^2\right)}\,8\,r2^5\left(-\left((1+2\,\mathrm{Cos}[2\,\lambda])\,\mathrm{Sin}[\lambda]\left(-\frac{1}{2\,r\,r2}\,\mathrm{Cos}[3\,\lambda2]\right.\right.\right.$$

$$\left(\left(2\left(r^2-2\,r\,r2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta3]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticE}\left[\frac{\theta3}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta3]}\right)-\left(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta3]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticF}\left[\frac{\theta3}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta3]}\right)\right)-$$

$$\left(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta3]}{r^2+r2^2}}\left(-r^2-r2^2+r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta3]}{r^2+r2^2}}+r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta3]}{r^2+r2^2}}\right)(1+2\,\mathrm{Cos}[2\,\lambda2])\,\mathrm{Sin}[\lambda2]\right)\Big/$$

$$\left.\left.\left(r\,r2\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta3]}\right)\right)\right)+\mathrm{Cos}[\lambda]\,(-1+2\,\mathrm{Cos}[2\,\lambda])$$

$$\left(\left(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta3]}{r^2+r2^2}}\left(-r^2-r2^2+r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta3]}{r^2+r2^2}}+r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta3]}{r^2+r2^2}}\right)\mathrm{Cos}[\lambda2]\right.\right.$$

$$(-1+2\,\mathrm{Cos}[2\,\lambda 2])\Big)\Big/\Big(r\,r2\,\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\Big)-$$

$$\frac{1}{2\,r\,r2}\Bigg(\Bigg(2\,(r^2-2\,r\,r2+r2^2)\,\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticE}\Big[$$

$$\frac{\theta 3}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\Bigg)\Big/\Big(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\Big)-$$

$$\Bigg(2\,(r^2+r2^2)\,\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticF}\Big[\frac{\theta 3}{2},$$

$$-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\Bigg)\Big/\Big(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\Big)\Bigg)\,\mathrm{Sin}[3\,\lambda 2]\Bigg)\Bigg)-$$

$$\frac{1}{r^2-r2^2}\,32\,r^2\,r2\,\Bigg((1+2\,\mathrm{Cos}[2\,\lambda])\,\mathrm{Sin}[\lambda]\,\Bigg(-\frac{1}{2\,r\,r2}\,\mathrm{Cos}[3\,\lambda 2]$$

$$\Bigg(\Bigg(2\,(r^2-2\,r\,r2+r2^2)\,\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r2+r2^2}}$$

$$\mathrm{EllipticE}\Big[\frac{\theta 3}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\Bigg)\Big/\Big(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\Big)-$$

$$\Bigg(2\,(r^2+r2^2)\,\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticF}\Big[\frac{\theta 3}{2},$$

$$-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\Bigg)\Big/\Big(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\Big)\Bigg)+$$

$$\Bigg(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}\,\Bigg(-r^2-r2^2+r^2\,\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}+$$

$$r2^2\,\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}\Bigg)\,(1+2\,\mathrm{Cos}[2\,\lambda 2])\,\mathrm{Sin}[\lambda 2]\Bigg)\Big/$$

$$\Big(r\,r2\,\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\Big)\Bigg)+\mathrm{Cos}[\lambda]\,(-1+2\,\mathrm{Cos}[2\,\lambda])$$

$$\Bigg(\Bigg(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}\,\Bigg(-r^2-r2^2+r^2\,\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}+$$

$$r2^2 \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}{r^2 + r2^2}}\Bigg) \mathrm{Cos}[\lambda 2]$$

$$(-1 + 2\, \mathrm{Cos}[2\, \lambda 2])\Bigg) \Big/ \left(r\, r2\, \sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}\right) +$$

$$\frac{1}{2\, r\, r2} \Bigg(\Bigg(2\, (r^2 - 2\, r\, r2 + r2^2) \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}{r^2 - 2\, r\, r2 + r2^2}}\, \mathrm{EllipticE}\Big[$$

$$\frac{\theta 3}{2}, -\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\Big]\Bigg) \Big/ \left(\sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}\right) -$$

$$\Bigg(2\, (r^2 + r2^2) \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}{r^2 - 2\, r\, r2 + r2^2}}\, \mathrm{EllipticF}\Big[\frac{\theta 3}{2},$$

$$-\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\Big]\Bigg) \Big/ \left(\sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}\right)\Bigg) \mathrm{Sin}[3\, \lambda 2]\Bigg)\Bigg) +$$

$$\frac{1}{r^2 - r2^2}\, 12\, r2^3 \Bigg((1 + 2\, \mathrm{Cos}[2\, \lambda])\, \mathrm{Sin}[\lambda] \Bigg(-\frac{1}{2\, r\, r2}\, \mathrm{Cos}[3\, \lambda 2]$$

$$\Bigg(\Bigg(2\, (r^2 - 2\, r\, r2 + r2^2) \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}{r^2 - 2\, r\, r2 + r2^2}}$$

$$\mathrm{EllipticE}\Big[\frac{\theta 3}{2}, -\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\Big]\Bigg) \Big/ \left(\sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}\right) -$$

$$\Bigg(2\, (r^2 + r2^2) \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}{r^2 - 2\, r\, r2 + r2^2}}\, \mathrm{EllipticF}\Big[\frac{\theta 3}{2},$$

$$-\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\Big]\Bigg) \Big/ \left(\sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}\right)\Bigg) +$$

$$\Bigg(\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}{r^2 + r2^2}} \Bigg(-r^2 - r2^2 + r^2 \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}{r^2 + r2^2}} +$$

$$r2^2 \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}{r^2 + r2^2}}\Bigg) (1 + 2\, \mathrm{Cos}[2\, \lambda 2])\, \mathrm{Sin}[\lambda 2]\Bigg) \Big/$$

$$\left(r\, r2\, \sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}\right)\Bigg) + \mathrm{Cos}[\lambda]\, (-1 + 2\, \mathrm{Cos}[2\, \lambda])$$

$$\left(\left(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}\left(-r^2-r2^2+r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}+\right.\right.\right.$$

$$\left.r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}\right)\mathrm{Cos}[\lambda 2]$$

$$\left.(-1+2\,\mathrm{Cos}[2\,\lambda 2])\right)\Big/\left(r\,r2\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\right)+$$

$$\frac{1}{2\,r\,r2}\left(\left(2\left(r^2-2\,r\,r2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r2+r2^2}}\,\mathrm{EllipticE}\Big[\right.\right.$$

$$\left.\frac{\theta 3}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\right)-$$

$$\left(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r2+r2^2}}\,\mathrm{EllipticF}\Big[\frac{\theta 3}{2},\right.$$

$$\left.\left.\left.-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\right)\right)\mathrm{Sin}[3\,\lambda 2]\right)\right)+$$

$$\frac{1}{r^2\left(r^2-r2^2\right)}\,8\,r2^5\left((1+2\,\mathrm{Cos}[2\,\lambda])\,\mathrm{Sin}[\lambda]\left(-\frac{1}{2\,r\,r2}\,\mathrm{Cos}[3\,\lambda 2]\right.\right.$$

$$\left(\left(2\left(r^2-2\,r\,r2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r2+r2^2}}\right.\right.$$

$$\left.\mathrm{EllipticE}\Big[\frac{\theta 3}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\right)-$$

$$\left(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r2+r2^2}}\,\mathrm{EllipticF}\Big[\frac{\theta 3}{2},\right.$$

$$\left.\left.-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\right)\right)+$$

$$\left(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}\left(-r^2-r2^2+r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}+\right.\right.$$

$$\left.\left.r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}\right)(1+2\,\mathrm{Cos}[2\,\lambda 2])\,\mathrm{Sin}[\lambda 2]\right)\Big/$$

$$\left(r\, r2\, \sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}\right)\Bigg) + \mathrm{Cos}[\lambda]\, (-1 + 2\, \mathrm{Cos}[2\, \lambda])$$

$$\Bigg(\Bigg(\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}{r^2 + r2^2}}\, \Bigg(-r^2 - r2^2 + r^2\, \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}{r^2 + r2^2}} +$$

$$r2^2\, \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}{r^2 + r2^2}}\Bigg)\, \mathrm{Cos}[\lambda 2]$$

$$(-1 + 2\, \mathrm{Cos}[2\, \lambda 2])\Bigg) \Big/ \left(r\, r2\, \sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}\right) +$$

$$\frac{1}{2\, r\, r2}\, \Bigg(\Bigg(2\, \left(r^2 - 2\, r\, r2 + r2^2\right)\, \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}{r^2 - 2\, r\, r2 + r2^2}}\, \mathrm{EllipticE}\Big[$$

$$\frac{\theta 3}{2}, -\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\Big]\Bigg) \Big/ \left(\sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}\right) -$$

$$\Bigg(2\, \left(r^2 + r2^2\right)\, \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}{r^2 - 2\, r\, r2 + r2^2}}\, \mathrm{EllipticF}\Big[\frac{\theta 3}{2},$$

$$-\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\Big]\Bigg) \Big/ \left(\sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}\right)\Bigg)\, \mathrm{Sin}[3\, \lambda 2]\Bigg)\Bigg) +$$

$$\sqrt{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 3]}\, \Bigg(\frac{1}{r^2\, \left(r^2 - r1^2\right)\, \left(-r^2 - r1^2 + 2\, r\, r1\, \mathrm{Cos}[\theta 3]\right)}$$

$$2$$

$$\Big(-15\, r^2\, r1^3\, \mathrm{Cos}[\theta 3 + 3\, \lambda - 3\, \lambda 1] - 5\, r1^5\, \mathrm{Cos}[\theta 3 + 3\, \lambda - 3\, \lambda 1] +$$
$$9\, r^2\, r1^3\, \mathrm{Cos}[\theta 3 + \lambda - \lambda 1] - 45\, r1^5\, \mathrm{Cos}[\theta 3 + \lambda - \lambda 1] -$$
$$9\, r^2\, r1^3\, \mathrm{Cos}[\theta 3 - \lambda + \lambda 1] + 45\, r1^5\, \mathrm{Cos}[\theta 3 - \lambda + \lambda 1] +$$
$$15\, r^2\, r1^3\, \mathrm{Cos}[\theta 3 - 3\, \lambda + 3\, \lambda 1] + 5\, r1^5\, \mathrm{Cos}[\theta 3 - 3\, \lambda + 3\, \lambda 1] +$$
$$15\, r^2\, r1^3\, \mathrm{Cos}[\theta 3 + 3\, \lambda - 3\, \lambda 2] + 5\, r1^5\, \mathrm{Cos}[\theta 3 + 3\, \lambda - 3\, \lambda 2] -$$
$$9\, r^2\, r1^3\, \mathrm{Cos}[\theta 3 + \lambda - \lambda 2] + 45\, r1^5\, \mathrm{Cos}[\theta 3 + \lambda - \lambda 2] +$$
$$9\, r^2\, r1^3\, \mathrm{Cos}[\theta 3 - \lambda + \lambda 2] - 45\, r1^5\, \mathrm{Cos}[\theta 3 - \lambda + \lambda 2] -$$
$$15\, r^2\, r1^3\, \mathrm{Cos}[\theta 3 - 3\, \lambda + 3\, \lambda 2] - 5\, r1^5\, \mathrm{Cos}[\theta 3 - 3\, \lambda + 3\, \lambda 2]\Big) +$$

$$\frac{1}{r^2\, \left(-r^2 - r1^2 + 2\, r\, r1\, \mathrm{Cos}[\theta 3]\right)^2}\, 2\, \Big(-r^2\, r1^3\, \mathrm{Cos}[\theta 3 + 3\, \lambda - 3\, \lambda 1] +$$
$$r1^5\, \mathrm{Cos}[\theta 3 + 3\, \lambda - 3\, \lambda 1] - 9\, r^2\, r1^3\, \mathrm{Cos}[\theta 3 + \lambda - \lambda 1] +$$
$$9\, r1^5\, \mathrm{Cos}[\theta 3 + \lambda - \lambda 1] + 9\, r^2\, r1^3\, \mathrm{Cos}[\theta 3 - \lambda + \lambda 1] -$$
$$9\, r1^5\, \mathrm{Cos}[\theta 3 - \lambda + \lambda 1] + r^2\, r1^3\, \mathrm{Cos}[\theta 3 - 3\, \lambda + 3\, \lambda 1] -$$
$$r1^5\, \mathrm{Cos}[\theta 3 - 3\, \lambda + 3\, \lambda 1] + r^2\, r1^3\, \mathrm{Cos}[\theta 3 + 3\, \lambda - 3\, \lambda 2] -$$
$$r1^5\, \mathrm{Cos}[\theta 3 + 3\, \lambda - 3\, \lambda 2] + 9\, r^2\, r1^3\, \mathrm{Cos}[\theta 3 + \lambda - \lambda 2] -$$
$$9\, r1^5\, \mathrm{Cos}[\theta 3 + \lambda - \lambda 2] - 9\, r^2\, r1^3\, \mathrm{Cos}[\theta 3 - \lambda + \lambda 2] +$$

$$9\, r1^5 \operatorname{Cos}[\theta 3 - \lambda + \lambda 2] - r^2\, r1^3 \operatorname{Cos}[\theta 3 - 3\lambda + 3\lambda 2] + r1^5 \operatorname{Cos}[\theta 3 - 3\lambda + 3\lambda 2]\Big) - \frac{1}{r^2 - r1^2}\, 32 \operatorname{Csc}[\theta 3]\, (-2\, r1 \operatorname{Sin}[3\lambda - 3\lambda 1] - r \operatorname{Sin}[\theta 3 + 3\lambda - 3\lambda 1] + r \operatorname{Sin}[\theta 3 - 3\lambda + 3\lambda 1] + 2\, r1 \operatorname{Sin}[3\lambda - 3\lambda 2] + r \operatorname{Sin}[\theta 3 + 3\lambda - 3\lambda 2] - r \operatorname{Sin}[\theta 3 - 3\lambda + 3\lambda 2])\Bigg) +$$

$$\sqrt{r^2 + r2^2 - 2\, r\, r2 \operatorname{Cos}[\theta 3]}\, \Bigg(-\Big(\Big(2\, \Big(-15\, r^2\, r2^3 \operatorname{Cos}[\theta 3 + 3\lambda - 3\lambda 1] - 5\, r2^5 \operatorname{Cos}[\theta 3 + 3\lambda - 3\lambda 1] + 9\, r^2\, r2^3 \operatorname{Cos}[\theta 3 + \lambda - \lambda 1] - 45\, r2^5 \operatorname{Cos}[\theta 3 + \lambda - \lambda 1] - 9\, r^2\, r2^3 \operatorname{Cos}[\theta 3 - \lambda + \lambda 1] + 45\, r2^5 \operatorname{Cos}[\theta 3 - \lambda + \lambda 1] + 15\, r^2\, r2^3 \operatorname{Cos}[\theta 3 - 3\lambda + 3\lambda 1] + 5\, r2^5 \operatorname{Cos}[\theta 3 - 3\lambda + 3\lambda 1] + 15\, r^2\, r2^3 \operatorname{Cos}[\theta 3 + 3\lambda - 3\lambda 2] + 5\, r2^5 \operatorname{Cos}[\theta 3 + 3\lambda - 3\lambda 2] - 9\, r^2\, r2^3 \operatorname{Cos}[\theta 3 + \lambda - \lambda 2] + 45\, r2^5 \operatorname{Cos}[\theta 3 + \lambda - \lambda 2] + 9\, r^2\, r2^3 \operatorname{Cos}[\theta 3 - \lambda + \lambda 2] - 45\, r2^5 \operatorname{Cos}[\theta 3 - \lambda + \lambda 2] - 15\, r^2\, r2^3 \operatorname{Cos}[\theta 3 - 3\lambda + 3\lambda 2] - 5\, r2^5 \operatorname{Cos}[\theta 3 - 3\lambda + 3\lambda 2]\Big)\Big) \Big/ \Big(r^2 \left(r^2 - r2^2\right) \left(-r^2 - r2^2 + 2\, r\, r2 \operatorname{Cos}[\theta 3]\right)\Big)\Big) - \frac{1}{r^2 \left(-r^2 - r2^2 + 2\, r\, r2 \operatorname{Cos}[\theta 3]\right)^2}\, 2\, \Big(-r^2\, r2^3 \operatorname{Cos}[\theta 3 + 3\lambda - 3\lambda 1] + r2^5 \operatorname{Cos}[\theta 3 + 3\lambda - 3\lambda 1] - 9\, r^2\, r2^3 \operatorname{Cos}[\theta 3 + \lambda - \lambda 1] + 9\, r2^5 \operatorname{Cos}[\theta 3 + \lambda - \lambda 1] + 9\, r^2\, r2^3 \operatorname{Cos}[\theta 3 - \lambda + \lambda 1] - 9\, r2^5 \operatorname{Cos}[\theta 3 - \lambda + \lambda 1] + r^2\, r2^3 \operatorname{Cos}[\theta 3 - 3\lambda + 3\lambda 1] - r2^5 \operatorname{Cos}[\theta 3 - 3\lambda + 3\lambda 1] + r^2\, r2^3 \operatorname{Cos}[\theta 3 + 3\lambda - 3\lambda 2] - r2^5 \operatorname{Cos}[\theta 3 + 3\lambda - 3\lambda 2] + 9\, r^2\, r2^3 \operatorname{Cos}[\theta 3 + \lambda - \lambda 2] - 9\, r2^5 \operatorname{Cos}[\theta 3 + \lambda - \lambda 2] - 9\, r^2\, r2^3 \operatorname{Cos}[\theta 3 - \lambda + \lambda 2] + 9\, r2^5 \operatorname{Cos}[\theta 3 - \lambda + \lambda 2] - r^2\, r2^3 \operatorname{Cos}[\theta 3 - 3\lambda + 3\lambda 2] + r2^5 \operatorname{Cos}[\theta 3 - 3\lambda + 3\lambda 2]\Big) + \frac{1}{r^2 - r2^2}\, 32 \operatorname{Csc}[\theta 3]\, (-2\, r2 \operatorname{Sin}[3\lambda - 3\lambda 1] - r \operatorname{Sin}[\theta 3 + 3\lambda - 3\lambda 1] + r \operatorname{Sin}[\theta 3 - 3\lambda + 3\lambda 1] + 2\, r2 \operatorname{Sin}[3\lambda - 3\lambda 2] + r \operatorname{Sin}[\theta 3 + 3\lambda - 3\lambda 2] - r \operatorname{Sin}[\theta 3 - 3\lambda + 3\lambda 2])\Bigg)\Bigg)$$

In[ ]:=
```
G * rho * (Vxxxθ3[θ2] - Vxxxθ3[θ1])
```

Out[ ]=

G rho

$$\Bigg(-\frac{1}{96\, r}\, \Bigg(\Bigg(64\, r\, r1^2 \sqrt{\frac{r^2 + r1^2 - 2\, r\, r1 \operatorname{Cos}[\theta 1]}{r^2 - 2\, r\, r1 + r1^2}}\, \operatorname{EllipticF}\Big[\frac{\theta 1}{2}, -\frac{4\, r\, r1}{r^2 - 2\, r\, r1 + r1^2}\Big] \operatorname{Sin}[3\lambda - 3\lambda 1]\Bigg) \Big/ \Big(\left(r^2 - r1^2\right) \sqrt{r^2 + r1^2 - 2\, r\, r1 \operatorname{Cos}[\theta 1]}\Big) -$$

$$\left(16\, r1^4 \sqrt{\frac{r^2+r1^2-2\, r\, r1\, \mathrm{Cos}[\theta 1]}{r^2-2\, r\, r1+r1^2}}\ \mathrm{EllipticF}\left[\frac{\theta 1}{2}, -\frac{4\, r\, r1}{r^2-2\, r\, r1+r1^2}\right]\right.$$

$$\left.\mathrm{Sin}[3\,\lambda-3\,\lambda 1]\right) \Big/ \left(r\left(r^2-r1^2\right)\sqrt{r^2+r1^2-2\, r\, r1\, \mathrm{Cos}[\theta 1]}\right) -$$

$$\left(64\, r\, r2^2 \sqrt{\frac{r^2+r2^2-2\, r\, r2\, \mathrm{Cos}[\theta 1]}{r^2-2\, r\, r2+r2^2}}\ \mathrm{EllipticF}\left[\frac{\theta 1}{2}, -\frac{4\, r\, r2}{r^2-2\, r\, r2+r2^2}\right]\right.$$

$$\left.\mathrm{Sin}[3\,\lambda-3\,\lambda 1]\right) \Big/ \left(\left(r^2-r2^2\right)\sqrt{r^2+r2^2-2\, r\, r2\, \mathrm{Cos}[\theta 1]}\right) +$$

$$\left(16\, r2^4 \sqrt{\frac{r^2+r2^2-2\, r\, r2\, \mathrm{Cos}[\theta 1]}{r^2-2\, r\, r2+r2^2}}\ \mathrm{EllipticF}\left[\frac{\theta 1}{2}, -\frac{4\, r\, r2}{r^2-2\, r\, r2+r2^2}\right]\right.$$

$$\left.\mathrm{Sin}[3\,\lambda-3\,\lambda 1]\right) \Big/ \left(r\left(r^2-r2^2\right)\sqrt{r^2+r2^2-2\, r\, r2\, \mathrm{Cos}[\theta 1]}\right) -$$

$$\left(144\, r1^4 \sqrt{\frac{r^2+r1^2-2\, r\, r1\, \mathrm{Cos}[\theta 1]}{r^2-2\, r\, r1+r1^2}}\ \mathrm{EllipticF}\left[\frac{\theta 1}{2}, -\frac{4\, r\, r1}{r^2-2\, r\, r1+r1^2}\right]\right.$$

$$\left.\mathrm{Sin}[\lambda-\lambda 1]\right) \Big/ \left(r\left(r^2-r1^2\right)\sqrt{r^2+r1^2-2\, r\, r1\, \mathrm{Cos}[\theta 1]}\right) +$$

$$\left(144\, r2^4 \sqrt{\frac{r^2+r2^2-2\, r\, r2\, \mathrm{Cos}[\theta 1]}{r^2-2\, r\, r2+r2^2}}\ \mathrm{EllipticF}\left[\frac{\theta 1}{2}, -\frac{4\, r\, r2}{r^2-2\, r\, r2+r2^2}\right]\right.$$

$$\left.\mathrm{Sin}[\lambda-\lambda 1]\right) \Big/ \left(r\left(r^2-r2^2\right)\sqrt{r^2+r2^2-2\, r\, r2\, \mathrm{Cos}[\theta 1]}\right) +$$

$$\frac{1}{r^2-r1^2}\, 36\, r1^3 \left(-\mathrm{Sin}[\lambda]\left(-\frac{1}{2\, r\, r1}\, \mathrm{Cos}[\lambda 1]\right.\right.$$

$$\left(\left(2\left(r^2-2\, r\, r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\, r\, r1\, \mathrm{Cos}[\theta 1]}{r^2-2\, r\, r1+r1^2}}\ \mathrm{EllipticE}\left[\frac{\theta 1}{2},\right.\right.\right.$$

$$\left.\left.-\frac{4\, r\, r1}{r^2-2\, r\, r1+r1^2}\right]\right) \Big/ \left(\sqrt{r^2+r1^2-2\, r\, r1\, \mathrm{Cos}[\theta 1]}\right) -$$

$$\left(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\, r\, r1\, \mathrm{Cos}[\theta 1]}{r^2-2\, r\, r1+r1^2}}\ \mathrm{EllipticF}\left[\frac{\theta 1}{2},\right.\right.$$

$$\left.\left.\left.-\frac{4\, r\, r1}{r^2-2\, r\, r1+r1^2}\right]\right) \Big/ \left(\sqrt{r^2+r1^2-2\, r\, r1\, \mathrm{Cos}[\theta 1]}\right)\right) -$$

$$\left(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2+r1^2}}\left(-r^2-r1^2+r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2+r1^2}}+r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2+r1^2}}\right)\right.$$

$$\left.\mathrm{Sin}[\lambda 1]\right)\Big/\left(r\,r1\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}\right)\Bigg)+$$

$$\mathrm{Cos}[\lambda]\left(\left(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2+r1^2}}\left(-r^2-r1^2+r^2\right.\right.\right.$$

$$\left.\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2+r1^2}}+r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2+r1^2}}\right)$$

$$\left.\mathrm{Cos}[\lambda 1]\right)\Big/\left(r\,r1\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}\right)-$$

$$\frac{1}{2\,r\,r1}\left(\left(2\left(r^2-2\,r\,r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r1+r1^2}}\,\mathrm{EllipticE}\left[\frac{\theta 1}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}\right)-\right.$$

$$\left(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r1+r1^2}}\,\mathrm{EllipticF}\left[\frac{\theta 1}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}\right)\Bigg)\,\mathrm{Sin}[\lambda 1]\Bigg)\Bigg)-$$

$$\frac{1}{r^2\left(r^2-r1^2\right)}\,72\,r1^5\left(-\mathrm{Sin}[\lambda]\left(-\frac{1}{2\,r\,r1}\,\mathrm{Cos}[\lambda 1]\left(\left(2\left(r^2-2\,r\,r1+r1^2\right)\right.\right.\right.\right.$$

$$\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r1+r1^2}}\,\mathrm{EllipticE}\left[\frac{\theta 1}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\Big)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}\right)-$$

$$\left(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r1+r1^2}}\,\mathrm{EllipticF}\left[\frac{\theta 1}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}\right)\Bigg)-$$

$$\left(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2+r1^2}}\left(-r^2-r1^2+r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2+r1^2}}+r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2+r1^2}}\right)\right.$$

$$\left.\mathrm{Sin}[\lambda 1]\right)\Big/\left(r\,r1\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}\right)\Bigg)+$$

$$\mathrm{Cos}[\lambda]\left(\left(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2+r1^2}}\left(-r^2-r1^2+r^2\right.\right.\right.$$

$$\left.\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2+r1^2}}+r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2+r1^2}}\right)$$

$$\left.\mathrm{Cos}[\lambda 1]\right)\Big/\left(r\,r1\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}\right)-$$

$$\frac{1}{2\,r\,r1}\left(\left(2\left(r^2-2\,r\,r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r1+r1^2}}\,\mathrm{EllipticE}\left[\frac{\theta 1}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}\right)-\right.$$

$$\left(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r1+r1^2}}\,\mathrm{EllipticF}\left[\frac{\theta 1}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}\right)\Bigg)\,\mathrm{Sin}[\lambda 1]\Bigg)\Bigg)-$$

$$\frac{1}{r^2-r1^2}\,36\,r1^3\left(\mathrm{Sin}[\lambda]\left(-\frac{1}{2\,r\,r1}\,\mathrm{Cos}[\lambda 1]\left(\left(2\left(r^2-2\,r\,r1+r1^2\right)\right.\right.\right.\right.$$

$$\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r1+r1^2}}\,\mathrm{EllipticE}\left[\frac{\theta 1}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\Big)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}\right)-$$

$$\left(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r1+r1^2}}\,\mathrm{EllipticF}\left[\frac{\theta 1}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}\right)\Bigg)+$$

$$\left(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2+r1^2}}\left(-r^2-r1^2+r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2+r1^2}}+r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2+r1^2}}\right)\right.$$

$$\left.\mathrm{Sin}[\lambda 1]\right)\Big/\left(r\,r1\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}\right)\Bigg)+$$

$$\mathrm{Cos}[\lambda]\left(\left(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2+r1^2}}\left(-r^2-r1^2+r^2\right.\right.\right.$$

$$\left.\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2+r1^2}}+r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2+r1^2}}\right)$$

$$\left.\mathrm{Cos}[\lambda 1]\right)\Big/\left(r\,r1\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}\right)+$$

$$\frac{1}{2\,r\,r1}\left(\left(2\left(r^2-2\,r\,r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r1+r1^2}}\,\mathrm{EllipticE}\left[\frac{\theta 1}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}\right)-\right.$$

$$\left(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r1+r1^2}}\,\mathrm{EllipticF}\left[\frac{\theta 1}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}\right)\Bigg)\,\mathrm{Sin}[\lambda 1]\Bigg)\Bigg)+$$

$$\frac{1}{r^2\left(r^2-r1^2\right)}\,72\,r1^5\left(\mathrm{Sin}[\lambda]\left(-\frac{1}{2\,r\,r1}\,\mathrm{Cos}[\lambda 1]\left(\left(2\left(r^2-2\,r\,r1+r1^2\right)\right.\right.\right.\right.$$

$$\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r1+r1^2}}\,\mathrm{EllipticE}\left[\frac{\theta 1}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\Big)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}\right)-$$

$$\left(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r1+r1^2}}\,\mathrm{EllipticF}\left[\frac{\theta 1}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}\right)\Bigg)+$$

$$\left(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2+r1^2}}\left(-r^2-r1^2+r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2+r1^2}}+r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2+r1^2}}\right)\right.$$

$$\left.\mathrm{Sin}[\lambda 1]\right)\Big/\left(r\,r1\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}\right)\Bigg)+$$

$$\mathrm{Cos}[\lambda]\left(\left(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2+r1^2}}\left(-r^2-r1^2+r^2\right.\right.\right.$$

$$\left.\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2+r1^2}}+r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2+r1^2}}\right)$$

$$\left.\mathrm{Cos}[\lambda 1]\right)\Big/\left(r\,r1\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}\right)+$$

$$\frac{1}{2\,r\,r1}\left(\left(2\left(r^2-2\,r\,r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r1+r1^2}}\,\mathrm{EllipticE}\left[\frac{\theta 1}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}\right)-\right.$$

$$\left(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r1+r1^2}}\,\mathrm{EllipticF}\left[\frac{\theta 1}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}\right)\Bigg)\,\mathrm{Sin}[\lambda 1]\Bigg)\Bigg)-$$

$$\frac{1}{r^2-r2^2}\,36\,r2^3\left(-\mathrm{Sin}[\lambda]\left(-\frac{1}{2\,r\,r2}\,\mathrm{Cos}[\lambda 1]\left(\left(2\left(r^2-2\,r\,r2+r2^2\right)\right.\right.\right.\right.$$

$$\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r2+r2^2}}\,\mathrm{EllipticE}\left[\frac{\theta 1}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\Big)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}\right)-$$

$$\left(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r2+r2^2}}\,\mathrm{EllipticF}\left[\frac{\theta 1}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}\right)\Big)-$$

$$\left(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}\left(-r^2-r2^2+r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}+r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}\right)\right.$$

$$\left.\mathrm{Sin}[\lambda 1]\right)\Big/\left(r\,r2\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}\right)\Bigg)+$$

$$\mathrm{Cos}[\lambda]\left(\left(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}\left(-r^2-r2^2+r^2\right.\right.\right.$$

$$\left.\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}+r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}\right)$$

$$\left.\mathrm{Cos}[\lambda 1]\right)\Big/\left(r\,r2\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}\right)-$$

$$\frac{1}{2\,r\,r2}\left(\left(2\left(r^2-2\,r\,r2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r2+r2^2}}\,\mathrm{EllipticE}\left[\frac{\theta 1}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}\right)-\right.$$

$$\left(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r2+r2^2}}\,\mathrm{EllipticF}\left[\frac{\theta 1}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}\right)\Bigg)\,\mathrm{Sin}[\lambda 1]\Bigg)\Bigg)+$$

$$\frac{1}{r^2\left(r^2-r2^2\right)}\,72\,r2^5\left(-\mathrm{Sin}[\lambda]\left(-\frac{1}{2\,r\,r2}\,\mathrm{Cos}[\lambda 1]\left(\left(2\left(r^2-2\,r\,r2+r2^2\right)\right.\right.\right.\right.$$

$$\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r2+r2^2}}\,\mathrm{EllipticE}\left[\frac{\theta 1}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\Big)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}\right)-$$

$$\left(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r2+r2^2}}\,\mathrm{EllipticF}\left[\frac{\theta 1}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}\right)\Bigg)-$$

$$\left(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}\left(-r^2-r2^2+r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}+r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}\right)\right.$$

$$\left.\mathrm{Sin}[\lambda 1]\right)\Big/\left(r\,r2\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}\right)\Bigg)+$$

$$\mathrm{Cos}[\lambda]\left(\left(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}\left(-r^2-r2^2+r^2\right.\right.\right.$$

$$\left.\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}+r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}\right)$$

$$\left.\mathrm{Cos}[\lambda 1]\right)\Big/\left(r\,r2\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}\right)-$$

$$\frac{1}{2\,r\,r2}\left(\left(2\left(r^2-2\,r\,r2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r2+r2^2}}\,\mathrm{EllipticE}\left[\frac{\theta 1}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}\right)-\right.$$

$$\left(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r2+r2^2}}\,\mathrm{EllipticF}\left[\frac{\theta 1}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}\right)\Bigg)\,\mathrm{Sin}[\lambda 1]\Bigg)\Bigg)+$$

$$\frac{1}{r^2-r2^2}\,36\,r2^3\left(\mathrm{Sin}[\lambda]\left(-\frac{1}{2\,r\,r2}\,\mathrm{Cos}[\lambda 1]\left(\left(2\left(r^2-2\,r\,r2+r2^2\right)\right.\right.\right.\right.$$

$$\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r2+r2^2}}\,\mathrm{EllipticE}\left[\frac{\theta 1}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\Big)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}\right)-$$

$$\left(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r2+r2^2}}\,\mathrm{EllipticF}\left[\frac{\theta 1}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}\right)\Bigg)+$$

$$\left(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}\left(-r^2-r2^2+r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}+r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}\right)\right.$$

$$\left.\mathrm{Sin}[\lambda 1]\right)\Big/\left(r\,r2\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}\right)\Bigg)+$$

$$\mathrm{Cos}[\lambda]\left(\left(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}\left(-r^2-r2^2+r^2\right.\right.\right.$$

$$\left.\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}+r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}\right)$$

$$\left.\mathrm{Cos}[\lambda 1]\right)\Big/\left(r\,r2\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}\right)+$$

$$\frac{1}{2\,r\,r2}\left(\left(2\left(r^2-2\,r\,r2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r2+r2^2}}\,\mathrm{EllipticE}\left[\frac{\theta 1}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}\right)-\right.$$

$$\left(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r2+r2^2}}\,\mathrm{EllipticF}\left[\frac{\theta 1}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}\right)\Bigg)\,\mathrm{Sin}[\lambda 1]\Bigg)\Bigg)-$$

$$\frac{1}{r^2\left(r^2-r2^2\right)}\,72\,r2^5\left(\mathrm{Sin}[\lambda]\left(-\frac{1}{2\,r\,r2}\,\mathrm{Cos}[\lambda 1]\left(\left(2\left(r^2-2\,r\,r2+r2^2\right)\right.\right.\right.\right.$$

$$\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r2+r2^2}}\,\mathrm{EllipticE}\left[\frac{\theta 1}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\Big)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}\right)-$$

$$\left(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r2+r2^2}}\,\mathrm{EllipticF}\left[\frac{\theta 1}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}\right)\Bigg)+$$

$$\left(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}\left(-r^2-r2^2+r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}+r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}\right)\right.$$

$$\left.\mathrm{Sin}[\lambda 1]\right)\Big/\left(r\,r2\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}\right)\Bigg)+$$

$$\mathrm{Cos}[\lambda]\left(\left(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}\left(-r^2-r2^2+r^2\right.\right.\right.$$

$$\left.\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}+r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}\right)$$

$$\left.\mathrm{Cos}[\lambda 1]\right)\Big/\left(r\,r2\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}\right)+$$

$$\frac{1}{2\,r\,r2}\left(\left(2\left(r^2-2\,r\,r2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r2+r2^2}}\,\mathrm{EllipticE}\left[\frac{\theta 1}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}\right)-\right.$$

$$\left(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r2+r2^2}}\,\mathrm{EllipticF}\left[\frac{\theta 1}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}\right)\Bigg)\,\mathrm{Sin}[\lambda 1]\Bigg)\Bigg)+$$

$$\frac{1}{r^2-r1^2}\,32\,r^2\,r1\left(-\left((1+2\,\mathrm{Cos}[2\,\lambda])\,\mathrm{Sin}[\lambda]\left(-\frac{1}{2\,r\,r1}\,\mathrm{Cos}[3\,\lambda 1]\right.\right.\right.$$

$$\left(\left(2\left(r^2-2\,r\,r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r1+r1^2}}\,\mathrm{EllipticE}\left[\frac{\theta 1}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}\right)-\right.$$

$$\left(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r1+r1^2}}\,\mathrm{EllipticF}\left[\frac{\theta 1}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}\right)\Bigg)-$$

$$\left(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2+r1^2}}\left(-r^2-r1^2+r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2+r1^2}}+\right.\right.$$

$$\left.r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2+r1^2}}\right)(1+2\,\mathrm{Cos}[2\,\lambda 1])$$

$$\left.\mathrm{Sin}[\lambda 1]\right)\Big/\left(r\,r1\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}\right)\Bigg)\Bigg)+$$

$$\mathrm{Cos}[\lambda]\,(-1+2\,\mathrm{Cos}[2\,\lambda])\left(\left(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2+r1^2}}\left(-r^2-r1^2+\right.\right.\right.$$

$$\left.r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2+r1^2}}+r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2+r1^2}}\right)$$

$$\left.\mathrm{Cos}[\lambda 1]\,(-1+2\,\mathrm{Cos}[2\,\lambda 1])\right)\Big/\left(r\,r1\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}\right)-$$

$$\frac{1}{2\,r\,r1}\left(\left(2\left(r^2-2\,r\,r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r1+r1^2}}\,\mathrm{EllipticE}\Big[\right.\right.$$

$$\left.\frac{\theta 1}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}\right)-$$

$$\left(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r1+r1^2}}\,\mathrm{EllipticF}\Big[\right.$$

$$\left.\frac{\theta 1}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\right)\Big/$$

$$\left.\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}\right)\right)\mathrm{Sin}[3\,\lambda 1]\Bigg)\Bigg)-$$

$$\frac{1}{r^2-r1^2}\,12\,r1^3\left(-\left((1+2\,\mathrm{Cos}[2\,\lambda])\,\mathrm{Sin}[\lambda]\left(-\frac{1}{2\,r\,r1}\,\mathrm{Cos}[3\,\lambda 1]\right.\right.\right.$$

$$\left(\left(2\left(r^2-2\,r\,r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r1+r1^2}}\,\mathrm{EllipticE}\Big[\frac{\theta 1}{2},\right.\right.$$

$$\left.-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}\right)-$$

$$\left(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r1+r1^2}}\,\mathrm{EllipticF}\Big[\right.$$

$$\frac{\theta 1}{2}, -\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Big)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}\right)\Big)-$$

$$\left(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2+r1^2}}\left(-r^2-r1^2+r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2+r1^2}}+\right.\right.$$

$$\left.r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2+r1^2}}\right)(1+2\,\mathrm{Cos}[2\,\lambda 1])$$

$$\left.\mathrm{Sin}[\lambda 1]\right)\Big/\left(r\,r1\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}\right)\Big)\Big)+$$

$$\mathrm{Cos}[\lambda]\,(-1+2\,\mathrm{Cos}[2\,\lambda])\left(\left(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2+r1^2}}\left(-r^2-r1^2+\right.\right.\right.$$

$$\left.r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2+r1^2}}+r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2+r1^2}}\right)$$

$$\left.\mathrm{Cos}[\lambda 1]\,(-1+2\,\mathrm{Cos}[2\,\lambda 1])\right)\Big/\left(r\,r1\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}\right)-$$

$$\frac{1}{2\,r\,r1}\left(\left(2\left(r^2-2\,r\,r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r1+r1^2}}\,\mathrm{EllipticE}\Big[\right.\right.$$

$$\frac{\theta 1}{2}, -\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Big)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}\right)-$$

$$\left(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r1+r1^2}}\,\mathrm{EllipticF}\Big[\right.$$

$$\frac{\theta 1}{2}, -\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Big)\Big/$$

$$\left.\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}\right)\mathrm{Sin}[3\,\lambda 1]\right)\Big)-$$

$$\frac{1}{r^2\left(r^2-r1^2\right)}\,8\,r1^5\left(-\left((1+2\,\mathrm{Cos}[2\,\lambda])\,\mathrm{Sin}[\lambda]\left(-\frac{1}{2\,r\,r1}\,\mathrm{Cos}[3\,\lambda 1]\right.\right.\right.$$

$$\left(\left(2\left(r^2-2\,r\,r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r1+r1^2}}\,\mathrm{EllipticE}\Big[\frac{\theta 1}{2},\right.\right.$$

$$-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Big)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}\right)-$$

$$\left(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticF}\left[\frac{\theta 1}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}\right)\Bigg)-$$

$$\left(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2+r1^2}}\left(-r^2-r1^2+r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2+r1^2}}+\right.\right.$$

$$\left.r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2+r1^2}}\right)(1+2\,\mathrm{Cos}[2\,\lambda 1])$$

$$\left.\mathrm{Sin}[\lambda 1]\right)\Big/\left(r\,r1\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}\right)\Bigg)\Bigg)+$$

$$\mathrm{Cos}[\lambda]\,(-1+2\,\mathrm{Cos}[2\,\lambda])\left(\left(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2+r1^2}}\left(-r^2-r1^2+\right.\right.\right.$$

$$\left.r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2+r1^2}}+r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2+r1^2}}\right)$$

$$\left.\mathrm{Cos}[\lambda 1]\,(-1+2\,\mathrm{Cos}[2\,\lambda 1])\right)\Big/\left(r\,r1\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}\right)-$$

$$\frac{1}{2\,r\,r1}\left(\left(2\left(r^2-2\,r\,r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticE}\left[\frac{\theta 1}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}\right)-\right.$$

$$\left(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticF}\left[\frac{\theta 1}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\right)\Big/$$

$$\left.\left.\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}\right)\right)\mathrm{Sin}[3\,\lambda 1]\right)\Bigg)-$$

$$\frac{1}{r^2-r1^2}\,32\,r^2\,r1\left((1+2\,\mathrm{Cos}[2\,\lambda])\,\mathrm{Sin}[\lambda]\left(-\frac{1}{2\,r\,r1}\,\mathrm{Cos}[3\,\lambda 1]\right.\right.$$

$$\left(\left(2\left(r^2-2\,r\,r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticE}\right[\right.$$

$$\frac{\theta 1}{2}, -\frac{4\, r\, r1}{r^2 - 2\, r\, r1 + r1^2}\Big]\Big) \Big/ \left(\sqrt{r^2 + r1^2 - 2\, r\, r1 \operatorname{Cos}[\theta 1]}\right) -$$

$$\left(2\left(r^2 + r1^2\right)\sqrt{\frac{r^2 + r1^2 - 2\, r\, r1 \operatorname{Cos}[\theta 1]}{r^2 - 2\, r\, r1 + r1^2}}\ \operatorname{EllipticF}\Big[\frac{\theta 1}{2},\right.$$

$$\left.-\frac{4\, r\, r1}{r^2 - 2\, r\, r1 + r1^2}\Big]\right) \Big/ \left(\sqrt{r^2 + r1^2 - 2\, r\, r1 \operatorname{Cos}[\theta 1]}\right)\Bigg) +$$

$$\left(\sqrt{\frac{r^2 + r1^2 - 2\, r\, r1 \operatorname{Cos}[\theta 1]}{r^2 + r1^2}}\left(-r^2 - r1^2 + r^2\sqrt{\frac{r^2 + r1^2 - 2\, r\, r1 \operatorname{Cos}[\theta 1]}{r^2 + r1^2}} +\right.\right.$$

$$\left.r1^2\sqrt{\frac{r^2 + r1^2 - 2\, r\, r1 \operatorname{Cos}[\theta 1]}{r^2 + r1^2}}\right)(1 + 2 \operatorname{Cos}[2\,\lambda 1])$$

$$\left.\operatorname{Sin}[\lambda 1]\right) \Big/ \left(r\, r1\sqrt{r^2 + r1^2 - 2\, r\, r1 \operatorname{Cos}[\theta 1]}\right)\Bigg) +$$

$$\operatorname{Cos}[\lambda]\,(-1 + 2 \operatorname{Cos}[2\,\lambda])\left(\left(\sqrt{\frac{r^2 + r1^2 - 2\, r\, r1 \operatorname{Cos}[\theta 1]}{r^2 + r1^2}}\left(-r^2 - r1^2 +\right.\right.\right.$$

$$\left.r^2\sqrt{\frac{r^2 + r1^2 - 2\, r\, r1 \operatorname{Cos}[\theta 1]}{r^2 + r1^2}} + r1^2\sqrt{\frac{r^2 + r1^2 - 2\, r\, r1 \operatorname{Cos}[\theta 1]}{r^2 + r1^2}}\right)$$

$$\left.\operatorname{Cos}[\lambda 1]\,(-1 + 2 \operatorname{Cos}[2\,\lambda 1])\right) \Big/ \left(r\, r1\sqrt{r^2 + r1^2 - 2\, r\, r1 \operatorname{Cos}[\theta 1]}\right) +$$

$$\frac{1}{2\, r\, r1}\left(\left(2\left(r^2 - 2\, r\, r1 + r1^2\right)\sqrt{\frac{r^2 + r1^2 - 2\, r\, r1 \operatorname{Cos}[\theta 1]}{r^2 - 2\, r\, r1 + r1^2}}\ \operatorname{EllipticE}\Big[\right.\right.$$

$$\frac{\theta 1}{2}, -\frac{4\, r\, r1}{r^2 - 2\, r\, r1 + r1^2}\Big]\Big) \Big/ \left(\sqrt{r^2 + r1^2 - 2\, r\, r1 \operatorname{Cos}[\theta 1]}\right) -$$

$$\left(2\left(r^2 + r1^2\right)\sqrt{\frac{r^2 + r1^2 - 2\, r\, r1 \operatorname{Cos}[\theta 1]}{r^2 - 2\, r\, r1 + r1^2}}\ \operatorname{EllipticF}\Big[\right.$$

$$\frac{\theta 1}{2}, -\frac{4\, r\, r1}{r^2 - 2\, r\, r1 + r1^2}\Big]\Big) \Big/$$

$$\left.\left.\left(\sqrt{r^2 + r1^2 - 2\, r\, r1 \operatorname{Cos}[\theta 1]}\right)\right) \operatorname{Sin}[3\,\lambda 1]\right)\right) +$$

$$\frac{1}{r^2 - r1^2}\, 12\, r1^3\left((1 + 2 \operatorname{Cos}[2\,\lambda])\operatorname{Sin}[\lambda]\left(-\frac{1}{2\, r\, r1}\operatorname{Cos}[3\,\lambda 1]\right.\right.$$

$$\left(\left(2\left(r^2-2\,r\,r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticE}\left[\frac{\theta1}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}\right)-\left(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticF}\left[\frac{\theta1}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}\right)\right)+$$

$$\left(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}{r^2+r1^2}}\left(-r^2-r1^2+r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}{r^2+r1^2}}+r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}{r^2+r1^2}}\right)(1+2\,\mathrm{Cos}[2\,\lambda1])\,\mathrm{Sin}[\lambda1]\right)\Big/\left(r\,r1\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}\right)+$$

$$\mathrm{Cos}[\lambda]\,(-1+2\,\mathrm{Cos}[2\,\lambda])\left(\left(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}{r^2+r1^2}}\left(-r^2-r1^2+r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}{r^2+r1^2}}+r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}{r^2+r1^2}}\right)\mathrm{Cos}[\lambda1]\,(-1+2\,\mathrm{Cos}[2\,\lambda1])\right)\Big/\left(r\,r1\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}\right)+$$

$$\frac{1}{2\,r\,r1}\left(\left(2\left(r^2-2\,r\,r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticE}\left[\frac{\theta1}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}\right)-\left(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticF}\left[\frac{\theta1}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}\right)\right)\mathrm{Sin}[3\,\lambda1]\Bigg)\Bigg)+$$

$$\frac{1}{r^2\left(r^2-r1^2\right)}\,8\,r1^5\left((1+2\,\mathrm{Cos}[2\,\lambda])\,\mathrm{Sin}[\lambda]\left(-\frac{1}{2\,r\,r1}\,\mathrm{Cos}[3\,\lambda1]\right.\right.$$

$$\left(\left(2\left(r^2-2\,r\,r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticE}\Big[\right.\right.$$

$$\left.\left.\frac{\theta1}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}\right)-$$

$$\left(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticF}\Big[\frac{\theta1}{2},\right.$$

$$\left.-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}\right)\Bigg)+$$

$$\left(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}{r^2+r1^2}}\left(-r^2-r1^2+r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}{r^2+r1^2}}+\right.\right.$$

$$\left.r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}{r^2+r1^2}}\right)(1+2\,\mathrm{Cos}[2\,\lambda1])$$

$$\left.\mathrm{Sin}[\lambda1]\right)\Big/\left(r\,r1\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}\right)\Bigg)+$$

$$\mathrm{Cos}[\lambda]\,(-1+2\,\mathrm{Cos}[2\,\lambda])\left(\left(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}{r^2+r1^2}}\left(-r^2-r1^2+\right.\right.\right.$$

$$\left.r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}{r^2+r1^2}}+r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}{r^2+r1^2}}\right)$$

$$\left.\mathrm{Cos}[\lambda1]\,(-1+2\,\mathrm{Cos}[2\,\lambda1])\right)\Big/\left(r\,r1\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}\right)+$$

$$\frac{1}{2\,r\,r1}\left(\left(2\left(r^2-2\,r\,r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticE}\Big[\right.\right.$$

$$\left.\left.\frac{\theta1}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}\right)-$$

$$\left(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticF}\Big[\right.$$

$$\left.\frac{\theta1}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\right)\Big/$$

$$\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}\right)\Bigg)\,\mathrm{Sin}[3\,\lambda 1]\Bigg)\Bigg)-$$

$$\frac{1}{r^2-r2^2}\,32\,r^2\,r2\,\Bigg(-\Bigg((1+2\,\mathrm{Cos}[2\,\lambda])\,\mathrm{Sin}[\lambda]\,\Bigg(-\frac{1}{2\,r\,r2}\,\mathrm{Cos}[3\,\lambda 1]$$

$$\Bigg(\Bigg(2\,(r^2-2\,r\,r2+r2^2)\,\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r2+r2^2}}\,\mathrm{EllipticE}\Big[\frac{\theta 1}{2},$$

$$-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\Bigg)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}\right)-$$

$$\Bigg(2\,(r^2+r2^2)\,\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r2+r2^2}}\,\mathrm{EllipticF}\Big[$$

$$\frac{\theta 1}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\Bigg)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}\right)\Bigg)-$$

$$\Bigg(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}\,\Bigg(-r^2-r2^2+r^2\,\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}+$$

$$r2^2\,\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}\Bigg)\,(1+2\,\mathrm{Cos}[2\,\lambda 1])$$

$$\mathrm{Sin}[\lambda 1]\Bigg)\Big/\left(r\,r2\,\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}\right)\Bigg)\Bigg)+$$

$$\mathrm{Cos}[\lambda]\,(-1+2\,\mathrm{Cos}[2\,\lambda])\,\Bigg(\Bigg(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}\,\Bigg(-r^2-r2^2+$$

$$r^2\,\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}+r2^2\,\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}\Bigg)$$

$$\mathrm{Cos}[\lambda 1]\,(-1+2\,\mathrm{Cos}[2\,\lambda 1])\Bigg)\Big/\left(r\,r2\,\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}\right)-$$

$$\frac{1}{2\,r\,r2}\,\Bigg(\Bigg(2\,(r^2-2\,r\,r2+r2^2)\,\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r2+r2^2}}\,\mathrm{EllipticE}\Big[$$

$$\frac{\theta 1}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\Bigg)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}\right)-$$

$$\Bigg(2\,(r^2+r2^2)\,\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r2+r2^2}}\,\mathrm{EllipticF}\Big[$$

$$\frac{\theta 1}{2}, -\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\Big]\Big) \Big/ \left(\sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 1]}\right) \mathrm{Sin}[3\, \lambda 1]\Big)\Big) +$$

$$\frac{1}{r^2 - r2^2}\, 12\, r2^3 \Bigg(-\Bigg((1 + 2\, \mathrm{Cos}[2\, \lambda])\, \mathrm{Sin}[\lambda] \Bigg(-\frac{1}{2\, r\, r2}\, \mathrm{Cos}[3\, \lambda 1]$$

$$\Bigg(\Bigg(2\left(r^2 - 2\, r\, r2 + r2^2\right) \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 1]}{r^2 - 2\, r\, r2 + r2^2}}\, \mathrm{EllipticE}\Big[\frac{\theta 1}{2},$$

$$-\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\Big]\Big) \Big/ \left(\sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 1]}\right) -$$

$$\Bigg(2\left(r^2 + r2^2\right) \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 1]}{r^2 - 2\, r\, r2 + r2^2}}\, \mathrm{EllipticF}\Big[$$

$$\frac{\theta 1}{2}, -\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\Big]\Big) \Big/ \left(\sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 1]}\right)\Bigg) -$$

$$\Bigg(\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 1]}{r^2 + r2^2}} \Bigg(-r^2 - r2^2 + r^2 \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 1]}{r^2 + r2^2}} +$$

$$r2^2 \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 1]}{r^2 + r2^2}}\Bigg) (1 + 2\, \mathrm{Cos}[2\, \lambda 1])$$

$$\mathrm{Sin}[\lambda 1]\Bigg) \Big/ \left(r\, r2 \sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 1]}\right)\Bigg)\Bigg) +$$

$$\mathrm{Cos}[\lambda]\, (-1 + 2\, \mathrm{Cos}[2\, \lambda]) \Bigg(\Bigg(\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 1]}{r^2 + r2^2}} \Bigg(-r^2 - r2^2 +$$

$$r^2 \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 1]}{r^2 + r2^2}} + r2^2 \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 1]}{r^2 + r2^2}}\Bigg)$$

$$\mathrm{Cos}[\lambda 1]\, (-1 + 2\, \mathrm{Cos}[2\, \lambda 1])\Bigg) \Big/ \left(r\, r2 \sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 1]}\right) -$$

$$\frac{1}{2\, r\, r2} \Bigg(\Bigg(2\left(r^2 - 2\, r\, r2 + r2^2\right) \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 1]}{r^2 - 2\, r\, r2 + r2^2}}\, \mathrm{EllipticE}\Big[$$

$$\frac{\theta 1}{2}, -\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\Big]\Big) \Big/ \left(\sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 1]}\right) -$$

$$\left(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticF}\Big[\frac{\theta 1}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}\right)\mathrm{Sin}[3\,\lambda 1]\Bigg)\Bigg)+$$

$$\frac{1}{r^2\left(r^2-r2^2\right)}\,8\,r2^5\Bigg(-\Bigg((1+2\,\mathrm{Cos}[2\,\lambda])\,\mathrm{Sin}[\lambda]\Bigg(-\frac{1}{2\,r\,r2}\,\mathrm{Cos}[3\,\lambda 1]$$

$$\Bigg(\Bigg(2\left(r^2-2\,r\,r2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticE}\Big[\frac{\theta 1}{2},$$

$$-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\Bigg)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}\right)-$$

$$\left(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticF}\Big[\frac{\theta 1}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}\right)\Bigg)-$$

$$\Bigg(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}\Bigg(-r^2-r2^2+r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}+$$

$$r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}\Bigg)(1+2\,\mathrm{Cos}[2\,\lambda 1])$$

$$\mathrm{Sin}[\lambda 1]\Bigg)\Big/\left(r\,r2\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}\right)\Bigg)\Bigg)+$$

$$\mathrm{Cos}[\lambda]\,(-1+2\,\mathrm{Cos}[2\,\lambda])\Bigg(\Bigg(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}\Bigg(-r^2-r2^2+$$

$$r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}+r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}\Bigg)$$

$$\mathrm{Cos}[\lambda 1]\,(-1+2\,\mathrm{Cos}[2\,\lambda 1])\Bigg)\Big/\left(r\,r2\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}\right)-$$

$$\frac{1}{2\,r\,r2}\Bigg(\Bigg(2\left(r^2-2\,r\,r2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticE}\Big[$$

$$\frac{\theta 1}{2}, -\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\Big)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}\right)-$$

$$\left(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticF}\Big[\right.$$

$$\frac{\theta 1}{2}, -\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\Big)\Big/$$

$$\left.\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}\right)\right)\mathrm{Sin}[3\,\lambda 1]\Big)\Big)+$$

$$\frac{1}{r^2-r2^2}\,32\,r^2\,r2\,\Big((1+2\,\mathrm{Cos}[2\,\lambda])\,\mathrm{Sin}[\lambda]\,\Big(-\frac{1}{2\,r\,r2}\,\mathrm{Cos}[3\,\lambda 1]$$

$$\Big(\Big(2\left(r^2-2\,r\,r2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticE}\Big[$$

$$\frac{\theta 1}{2}, -\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\Big)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}\right)-$$

$$\Big(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticF}\Big[\frac{\theta 1}{2},$$

$$-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\Big)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}\right)\Big)+$$

$$\Big(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}\;\Big(-r^2-r2^2+r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}+$$

$$r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}\Big)\,(1+2\,\mathrm{Cos}[2\,\lambda 1])$$

$$\mathrm{Sin}[\lambda 1]\Big)\Big/\left(r\,r2\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}\right)\Big)+$$

$$\mathrm{Cos}[\lambda]\,(-1+2\,\mathrm{Cos}[2\,\lambda])\,\Big(\Big(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}\;\Big(-r^2-r2^2+$$

$$r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}+r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}\Big)$$

$$\mathrm{Cos}[\lambda 1]\,(-1+2\,\mathrm{Cos}[2\,\lambda 1])\Big)\Big/\left(r\,r2\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}\right)+$$

$$\frac{1}{2\,r\,r2}\left(\left(2\left(r^2-2\,r\,r2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticE}\left[\frac{\theta 1}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}\right)-\left(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticF}\left[\frac{\theta 1}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}\right)\right)\mathrm{Sin}[3\,\lambda 1]\right)-$$

$$\frac{1}{r^2-r2^2}\,12\,r2^3\left((1+2\,\mathrm{Cos}[2\,\lambda])\,\mathrm{Sin}[\lambda]\left(-\frac{1}{2\,r\,r2}\,\mathrm{Cos}[3\,\lambda 1]\left(\left(2\left(r^2-2\,r\,r2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticE}\left[\frac{\theta 1}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}\right)-\left(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticF}\left[\frac{\theta 1}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}\right)\right)+\left(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}\left(-r^2-r2^2+r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}+r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}\right)(1+2\,\mathrm{Cos}[2\,\lambda 1])\,\mathrm{Sin}[\lambda 1]\right)\Big/\left(r\,r2\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}\right)\right)+\mathrm{Cos}[\lambda]\,(-1+2\,\mathrm{Cos}[2\,\lambda])\left(\left(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}\left(-r^2-r2^2+r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}+r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}\right)\right.\right.$$

$$\text{Cos}[\lambda 1]\ (-1+2\,\text{Cos}[2\,\lambda 1])\Big)\Big/\Big(r\,r2\,\sqrt{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 1]}\Big)+$$

$$\frac{1}{2\,r\,r2}\Bigg(\Bigg(2\,(r^2-2\,r\,r2+r2^2)\,\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 1]}{r^2-2\,r\,r2+r2^2}}\ \text{EllipticE}\Big[$$

$$\frac{\theta 1}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\Bigg)\Big/\Big(\sqrt{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 1]}\Big)-$$

$$\Bigg(2\,(r^2+r2^2)\,\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 1]}{r^2-2\,r\,r2+r2^2}}\ \text{EllipticF}\Big[$$

$$\frac{\theta 1}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\Bigg)\Big/$$

$$\Big(\sqrt{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 1]}\Big)\Bigg)\ \text{Sin}[3\,\lambda 1]\Bigg)\Bigg)-$$

$$\frac{1}{r^2\,(r^2-r2^2)}\ 8\,r2^5\Bigg((1+2\,\text{Cos}[2\,\lambda])\ \text{Sin}[\lambda]\ \Bigg(-\frac{1}{2\,r\,r2}\ \text{Cos}[3\,\lambda 1]$$

$$\Bigg(\Bigg(2\,(r^2-2\,r\,r2+r2^2)\,\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 1]}{r^2-2\,r\,r2+r2^2}}\ \text{EllipticE}\Big[$$

$$\frac{\theta 1}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\Bigg)\Big/\Big(\sqrt{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 1]}\Big)-$$

$$\Bigg(2\,(r^2+r2^2)\,\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 1]}{r^2-2\,r\,r2+r2^2}}\ \text{EllipticF}\Big[\frac{\theta 1}{2},$$

$$-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\Bigg)\Big/\Big(\sqrt{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 1]}\Big)\Bigg)+$$

$$\Bigg(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 1]}{r^2+r2^2}}\ \Bigg(-r^2-r2^2+r^2\,\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 1]}{r^2+r2^2}}+$$

$$r2^2\,\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 1]}{r^2+r2^2}}\Bigg)\ (1+2\,\text{Cos}[2\,\lambda 1])$$

$$\text{Sin}[\lambda 1]\Bigg)\Big/\Big(r\,r2\,\sqrt{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 1]}\Big)\Bigg)+$$

$$\text{Cos}[\lambda]\ (-1+2\,\text{Cos}[2\,\lambda])\ \Bigg(\Bigg(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 1]}{r^2+r2^2}}\ \Bigg(-r^2-r2^2+$$

$$r^2 \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 1]}{r^2 + r2^2}} + r2^2 \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 1]}{r^2 + r2^2}}\Bigg)$$

$$\mathrm{Cos}[\lambda 1]\ (-1 + 2\, \mathrm{Cos}[2\, \lambda 1])\Bigg) \Big/ \left(r\, r2\, \sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 1]}\right) +$$

$$\frac{1}{2\, r\, r2} \Bigg(\Bigg(2\, \left(r^2 - 2\, r\, r2 + r2^2\right) \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 1]}{r^2 - 2\, r\, r2 + r2^2}}\ \mathrm{EllipticE}\Big[$$

$$\frac{\theta 1}{2}, -\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\Big]\Bigg) \Big/ \left(\sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 1]}\right) -$$

$$\Bigg(2\, \left(r^2 + r2^2\right) \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 1]}{r^2 - 2\, r\, r2 + r2^2}}\ \mathrm{EllipticF}\Big[$$

$$\frac{\theta 1}{2}, -\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\Big]\Bigg) \Big/$$

$$\left(\sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 1]}\right)\Bigg)\ \mathrm{Sin}[3\, \lambda 1]\Bigg)\Bigg) -$$

$$\Bigg(64\, r\, r1^2 \sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 1]}{r^2 - 2\, r\, r1 + r1^2}}\ \mathrm{EllipticF}\Big[\frac{\theta 1}{2}, -\frac{4\, r\, r1}{r^2 - 2\, r\, r1 + r1^2}\Big]$$

$$\mathrm{Sin}[$$

$$3\, \lambda - 3\, \lambda 2]\Bigg) \Big/$$

$$\left(\left(r^2 - r1^2\right) \sqrt{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 1]}\right) +$$

$$\Bigg(16\, r1^4 \sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 1]}{r^2 - 2\, r\, r1 + r1^2}}$$

$$\mathrm{EllipticF}\Big[\frac{\theta 1}{2},$$

$$-\frac{4\, r\, r1}{r^2 - 2\, r\, r1 + r1^2}\Big]\ \mathrm{Sin}[$$

$$3\, \lambda - 3\, \lambda 2]\Bigg) \Big/$$

$$\left(r\, \left(r^2 - r1^2\right) \sqrt{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 1]}\right) +$$

$$\Bigg(64$$

$$r$$

$$r2^2$$

$$\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 1]}{r^2 - 2\, r\, r2 + r2^2}}$$

$$\mathrm{EllipticF}\left[\frac{\theta 1}{2},\right.$$

$$\left.-\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\right] \mathrm{Sin}[$$

$$\left.3\,\lambda - 3\,\lambda 2]\right) \Big/$$

$$\left(\left(r^2 - r2^2\right) \sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 1]}\right) -$$

$$\left(16\, r2^4 \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 1]}{r^2 - 2\, r\, r2 + r2^2}}\right.$$

$$\mathrm{EllipticF}\left[\frac{\theta 1}{2},\right.$$

$$\left.-\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\right] \mathrm{Sin}[$$

$$\left.3\,\lambda - 3\,\lambda 2]\right) \Big/$$

$$\left(r\, \left(r^2 - r2^2\right) \sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 1]}\right) +$$

$$\left(144\, r1^4 \sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 1]}{r^2 - 2\, r\, r1 + r1^2}}\right.$$

$$\mathrm{EllipticF}\left[\frac{\theta 1}{2},\right.$$

$$\left.-\frac{4\, r\, r1}{r^2 - 2\, r\, r1 + r1^2}\right] \mathrm{Sin}[$$

$$\left.\lambda - \lambda 2]\right) \Big/$$

$$\left(r\, \left(r^2 - r1^2\right) \sqrt{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 1]}\right) -$$

$$\left(144\, r2^4 \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 1]}{r^2 - 2\, r\, r2 + r2^2}}\right.$$

$$\mathrm{EllipticF}\left[\frac{\theta 1}{2},\right.$$

$$\left.-\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\right] \mathrm{Sin}[$$

$$\left.\lambda - \lambda 2]\right) \Big/$$

$$\left(r\, \left(r^2 - r2^2\right) \sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 1]}\right) -$$

$$\frac{1}{r^2 - r1^2}$$

$$36$$

$$r1^3$$

$$\left(-\text{Sin}[\lambda]\left(-\frac{1}{2\,r\,r1}\,\text{Cos}[\lambda 2]\right.\right.$$

$$\left(\left(2\left(r^2 - 2\,r\,r1 + r1^2\right)\sqrt{\frac{r^2 + r1^2 - 2\,r\,r1\,\text{Cos}[\theta 1]}{r^2 - 2\,r\,r1 + r1^2}}\;\text{EllipticE}\left[\frac{\theta 1}{2}, -\frac{4\,r\,r1}{r^2 - 2\,r\,r1 + r1^2}\right]\right)\Big/\left(\sqrt{r^2 + r1^2 - 2\,r\,r1\,\text{Cos}[\theta 1]}\right) -\right.$$

$$\left(2\left(r^2 + r1^2\right)\sqrt{\frac{r^2 + r1^2 - 2\,r\,r1\,\text{Cos}[\theta 1]}{r^2 - 2\,r\,r1 + r1^2}}\;\text{EllipticF}\left[\frac{\theta 1}{2}, -\frac{4\,r\,r1}{r^2 - 2\,r\,r1 + r1^2}\right]\right)\Big/\left(\sqrt{r^2 + r1^2 - 2\,r\,r1\,\text{Cos}[\theta 1]}\right)\Bigg) -$$

$$\left(\sqrt{\frac{r^2 + r1^2 - 2\,r\,r1\,\text{Cos}[\theta 1]}{r^2 + r1^2}}\left(-r^2 - r1^2 + r^2\sqrt{\frac{r^2 + r1^2 - 2\,r\,r1\,\text{Cos}[\theta 1]}{r^2 + r1^2}} + r1^2\sqrt{\frac{r^2 + r1^2 - 2\,r\,r1\,\text{Cos}[\theta 1]}{r^2 + r1^2}}\right)\right.$$

$$\left.\text{Sin}[\lambda 2]\right)\Big/\left(r\,r1\sqrt{r^2 + r1^2 - 2\,r\,r1\,\text{Cos}[\theta 1]}\right)\Bigg) +$$

$$\text{Cos}[\lambda]\left(\left(\sqrt{\frac{r^2 + r1^2 - 2\,r\,r1\,\text{Cos}[\theta 1]}{r^2 + r1^2}}\left(-r^2 - r1^2 + r^2\sqrt{\frac{r^2 + r1^2 - 2\,r\,r1\,\text{Cos}[\theta 1]}{r^2 + r1^2}} + r1^2\sqrt{\frac{r^2 + r1^2 - 2\,r\,r1\,\text{Cos}[\theta 1]}{r^2 + r1^2}}\right)\right.\right.$$

$$\left.\text{Cos}[\lambda 2]\right)\Big/\left(r\,r1\sqrt{r^2 + r1^2 - 2\,r\,r1\,\text{Cos}[\theta 1]}\right) -$$

$$\frac{1}{2\,r\,r1}\left(\left(2\left(r^2 - 2\,r\,r1 + r1^2\right)\sqrt{\frac{r^2 + r1^2 - 2\,r\,r1\,\text{Cos}[\theta 1]}{r^2 - 2\,r\,r1 + r1^2}}\;\text{EllipticE}\left[\frac{\theta 1}{2}, -\frac{4\,r\,r1}{r^2 - 2\,r\,r1 + r1^2}\right]\right)\Big/\left(\sqrt{r^2 + r1^2 - 2\,r\,r1\,\text{Cos}[\theta 1]}\right) -\right.$$

$$\left(2\left(r^2 + r1^2\right)\sqrt{\frac{r^2 + r1^2 - 2\,r\,r1\,\text{Cos}[\theta 1]}{r^2 - 2\,r\,r1 + r1^2}}\;\text{EllipticF}\left[\frac{\theta 1}{2},\right.\right.$$

$$-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Big)\Big/\Big(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}\Big)\Big)\,\mathrm{Sin}[\lambda 2]\Big)\Big)+$$

$$\frac{1}{r^2\left(r^2-r1^2\right)}\,72\,r1^5\Big(-\mathrm{Sin}[\lambda]\Big(-\frac{1}{2\,r\,r1}\,\mathrm{Cos}[\lambda 2]\Big(\Big(2\left(r^2-2\,r\,r1+r1^2\right)$$

$$\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticE}\Big[\frac{\theta 1}{2},$$

$$-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Big)\Big/\Big(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}\Big)-$$

$$\Big(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticF}\Big[\frac{\theta 1}{2},$$

$$-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Big)\Big/\Big(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}\Big)\Big)-$$

$$\Big(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2+r1^2}}\;\Big(-r^2-r1^2+r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2+r1^2}}+$$

$$r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2+r1^2}}\Big)$$

$$\mathrm{Sin}[\lambda 2]\Big)\Big/\Big(r\,r1\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}\Big)\Big)+$$

$$\mathrm{Cos}[\lambda]\Big(\Big(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2+r1^2}}\;\Big(-r^2-r1^2+r^2$$

$$\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2+r1^2}}+r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2+r1^2}}\Big)$$

$$\mathrm{Cos}[\lambda 2]\Big)\Big/\Big(r\,r1\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}\Big)-$$

$$\frac{1}{2\,r\,r1}\Big(\Big(2\left(r^2-2\,r\,r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticE}\Big[$$

$$\frac{\theta 1}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Big)\Big/\Big(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}\Big)-$$

$$\Big(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticF}\Big[\frac{\theta 1}{2},$$

$$-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Big)\Big/\Big(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}\Big)\Big)\,\mathrm{Sin}[\lambda 2]\Big)\Big)+$$

$$\frac{1}{r^2-r1^2}\,36\,r1^3\Big(\mathrm{Sin}[\lambda]\Big(-\frac{1}{2\,r\,r1}\,\mathrm{Cos}[\lambda 2]\Big(\Big(2\,(r^2-2\,r\,r1+r1^2)$$

$$\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticE}\Big[\frac{\theta 1}{2},$$

$$-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Big)\Big/\Big(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}\Big)-$$

$$\Big(2\,(r^2+r1^2)\,\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticF}\Big[\frac{\theta 1}{2},$$

$$-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Big)\Big/\Big(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}\Big)\Big)+$$

$$\Big(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2+r1^2}}\;\Big(-r^2-r1^2+r^2\,\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2+r1^2}}+$$

$$r1^2\,\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2+r1^2}}\Big)$$

$$\mathrm{Sin}[\lambda 2]\Big)\Big/\Big(r\,r1\,\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}\Big)\Big)+$$

$$\mathrm{Cos}[\lambda]\Big(\Big(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2+r1^2}}\;\Big(-r^2-r1^2+r^2$$

$$\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2+r1^2}}+r1^2\,\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2+r1^2}}\Big)$$

$$\mathrm{Cos}[\lambda 2]\Big)\Big/\Big(r\,r1\,\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}\Big)+$$

$$\frac{1}{2\,r\,r1}\Big(\Big(2\,(r^2-2\,r\,r1+r1^2)\,\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticE}\Big[$$

$$\frac{\theta 1}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Big)\Big/\Big(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}\Big)-$$

$$\Big(2\,(r^2+r1^2)\,\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticF}\Big[\frac{\theta 1}{2},$$

$$-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Big)\Big/\Big(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}\Big)\Big)\,\mathrm{Sin}[\lambda 2]\Big)\Big)-$$

$$\frac{1}{r^2\left(r^2-r1^2\right)}\,72\,r1^5\Big(\mathrm{Sin}[\lambda]\Big(-\frac{1}{2\,r\,r1}\,\mathrm{Cos}[\lambda 2]\Big(\Big(2\left(r^2-2\,r\,r1+r1^2\right)$$

$$\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticE}\Big[\frac{\theta 1}{2},$$

$$-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Big)\Big/\Big(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}\Big)-$$

$$\Big(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticF}\Big[\frac{\theta 1}{2},$$

$$-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Big)\Big/\Big(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}\Big)\Big)+$$

$$\Big(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2+r1^2}}\;\Big(-r^2-r1^2+r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2+r1^2}}+$$

$$r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2+r1^2}}\Big)$$

$$\mathrm{Sin}[\lambda 2]\Big)\Big/\Big(r\,r1\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}\Big)\Big)+$$

$$\mathrm{Cos}[\lambda]\Big(\Big(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2+r1^2}}\;\Big(-r^2-r1^2+r^2$$

$$\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2+r1^2}}+r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2+r1^2}}\Big)$$

$$\mathrm{Cos}[\lambda 2]\Big)\Big/\Big(r\,r1\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}\Big)+$$

$$\frac{1}{2\,r\,r1}\Big(\Big(2\left(r^2-2\,r\,r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticE}\Big[$$

$$\frac{\theta 1}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Big)\Big/\Big(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}\Big)-$$

$$\Big(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticF}\Big[\frac{\theta 1}{2},$$

$$-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Big)\Big/\Big(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}\Big)\Big)\,\mathrm{Sin}[\lambda 2]\Big)\Big)+$$

$$\frac{1}{r^2-r2^2}\,36\,r2^3\Big(-\mathrm{Sin}[\lambda]\Big(-\frac{1}{2\,r\,r2}\,\mathrm{Cos}[\lambda 2]\Big(\Big(2\,\big(r^2-2\,r\,r2+r2^2\big)$$

$$\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticE}\Big[\frac{\theta 1}{2},$$

$$-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\Big)\Big/\Big(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}\Big)-$$

$$\Big(2\,\big(r^2+r2^2\big)\,\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticF}\Big[\frac{\theta 1}{2},$$

$$-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\Big)\Big/\Big(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}\Big)\Big)-$$

$$\Big(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}\;\Big(-r^2-r2^2+r^2\,\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}+$$

$$r2^2\,\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}\Big)$$

$$\mathrm{Sin}[\lambda 2]\Big)\Big/\Big(r\,r2\,\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}\Big)\Big)+$$

$$\mathrm{Cos}[\lambda]\Big(\Big(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}\;\Big(-r^2-r2^2+r^2$$

$$\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}+r2^2\,\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}\Big)$$

$$\mathrm{Cos}[\lambda 2]\Big)\Big/\Big(r\,r2\,\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}\Big)-$$

$$\frac{1}{2\,r\,r2}\Big(\Big(2\,\big(r^2-2\,r\,r2+r2^2\big)\,\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticE}\Big[$$

$$\frac{\theta 1}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\Big)\Big/\Big(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}\Big)-$$

$$\Big(2\,\big(r^2+r2^2\big)\,\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticF}\Big[\frac{\theta 1}{2},$$

$$-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\Big)\Big/\Big(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}\Big)\Big)\,\mathrm{Sin}[\lambda 2]\Big)\Big)-$$

$$\frac{1}{r^2\left(r^2-r2^2\right)}\,72\,r2^5\Big(-\mathrm{Sin}[\lambda]\Big(-\frac{1}{2\,r\,r2}\,\mathrm{Cos}[\lambda 2]\Big(\Big(2\left(r^2-2\,r\,r2+r2^2\right)$$

$$\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticE}\Big[\frac{\theta 1}{2},$$

$$-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\Big)\Big/\Big(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}\Big)-$$

$$\Big(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticF}\Big[\frac{\theta 1}{2},$$

$$-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\Big)\Big/\Big(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}\Big)\Big)-$$

$$\Big(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}\;\Big(-r^2-r2^2+r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}+$$

$$r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}\Big)$$

$$\mathrm{Sin}[\lambda 2]\Big)\Big/\Big(r\,r2\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}\Big)\Big)+$$

$$\mathrm{Cos}[\lambda]\Big(\Big(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}\;\Big(-r^2-r2^2+r^2$$

$$\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}+r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}\Big)$$

$$\mathrm{Cos}[\lambda 2]\Big)\Big/\Big(r\,r2\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}\Big)-$$

$$\frac{1}{2\,r\,r2}\Big(\Big(2\left(r^2-2\,r\,r2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticE}\Big[$$

$$\frac{\theta 1}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\Big)\Big/\Big(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}\Big)-$$

$$\Big(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticF}\Big[\frac{\theta 1}{2},$$

$$-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\Big)\Big/\Big(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}\Big)\Big)\,\mathrm{Sin}[\lambda 2]\Big)\Big)-$$

$$\frac{1}{r^2-r2^2}\,36\,r2^3\Big(\mathrm{Sin}[\lambda]\Big(-\frac{1}{2\,r\,r2}\,\mathrm{Cos}[\lambda 2]\Big(\Big(2\,(r^2-2\,r\,r2+r2^2)$$

$$\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticE}\Big[\frac{\theta 1}{2},$$

$$-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\Big)\Big/\Big(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}\Big)-$$

$$\Big(2\,(r^2+r2^2)\,\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticF}\Big[\frac{\theta 1}{2},$$

$$-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\Big)\Big/\Big(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}\Big)\Big)+$$

$$\Big(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}\;\Big(-r^2-r2^2+r^2\,\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}+$$

$$r2^2\,\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}\Big)$$

$$\mathrm{Sin}[\lambda 2]\Big)\Big/\Big(r\,r2\,\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}\Big)\Big)+$$

$$\mathrm{Cos}[\lambda]\Big(\Big(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}\;\Big(-r^2-r2^2+r^2$$

$$\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}+r2^2\,\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}\Big)$$

$$\mathrm{Cos}[\lambda 2]\Big)\Big/\Big(r\,r2\,\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}\Big)+$$

$$\frac{1}{2\,r\,r2}\Big(\Big(2\,(r^2-2\,r\,r2+r2^2)\,\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticE}\Big[$$

$$\frac{\theta 1}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\Big)\Big/\Big(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}\Big)-$$

$$\Big(2\,(r^2+r2^2)\,\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticF}\Big[\frac{\theta 1}{2},$$

$$-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\Big)\Big/\Big(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}\Big)\Big)\,\mathrm{Sin}[\lambda 2]\Big)\Big)+$$

$$\frac{1}{r^2\,(r^2-r2^2)}\,72\,r2^5\Big(\mathrm{Sin}[\lambda]\Big(-\frac{1}{2\,r\,r2}\,\mathrm{Cos}[\lambda 2]\Big(\Big(2\,(r^2-2\,r\,r2+r2^2)$$

$$\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticE}\Big[\frac{\theta 1}{2},$$

$$-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\Big)\Big/\Big(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}\Big)-$$

$$\Big(2\,(r^2+r2^2)\,\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticF}\Big[\frac{\theta 1}{2},$$

$$-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\Big)\Big/\Big(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}\Big)\Big)+$$

$$\Big(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}\;\Big(-r^2-r2^2+r^2\,\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}+$$

$$r2^2\,\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}\Big)$$

$$\mathrm{Sin}[\lambda 2]\Big)\Big/\Big(r\,r2\,\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}\Big)\Big)+$$

$$\mathrm{Cos}[\lambda]\Big(\Big(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}\;\Big(-r^2-r2^2+r^2$$

$$\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}+r2^2\,\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}\Big)$$

$$\mathrm{Cos}[\lambda 2]\Big)\Big/\Big(r\,r2\,\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}\Big)+$$

$$\frac{1}{2\,r\,r2}\Big(\Big(2\,(r^2-2\,r\,r2+r2^2)\,\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticE}\Big[$$

$$\frac{\theta 1}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\Big)\Big/\Big(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}\Big)-$$

$$\Big(2\,(r^2+r2^2)\,\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticF}\Big[\frac{\theta 1}{2},$$

$$-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\Big)\Big/\Big(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}\Big)\Big)\,\mathrm{Sin}[\lambda 2]\Big)\Big)-$$

$$\frac{1}{r^2-r1^2}\,32\,r^2\,r1\Big(-\Big((1+2\,\mathrm{Cos}[2\,\lambda])\,\mathrm{Sin}[\lambda]\Big(-\frac{1}{2\,r\,r1}\,\mathrm{Cos}[3\,\lambda 2]$$

$$\Big(\Big(2\,(r^2-2\,r\,r1+r1^2)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r1+r1^2}}\,\mathrm{EllipticE}\Big[\frac{\theta 1}{2},$$

$$-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Big)\Big/\Big(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}\Big)-$$

$$\Big(2\,(r^2+r1^2)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r1+r1^2}}\,\mathrm{EllipticF}\Big[$$

$$\frac{\theta 1}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Big)\Big/\Big(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}\Big)\Big)-$$

$$\Big(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2+r1^2}}\Big(-r^2-r1^2+r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2+r1^2}}+$$

$$r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2+r1^2}}\Big)(1+2\,\mathrm{Cos}[2\,\lambda 2])$$

$$\mathrm{Sin}[\lambda 2]\Big)\Big/\Big(r\,r1\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}\Big)\Big)\Big)+$$

$$\mathrm{Cos}[\lambda]\,(-1+2\,\mathrm{Cos}[2\,\lambda])\Big(\Big(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2+r1^2}}\Big(-r^2-r1^2+$$

$$r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2+r1^2}}+r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2+r1^2}}\Big)$$

$$\mathrm{Cos}[\lambda 2]\,(-1+2\,\mathrm{Cos}[2\,\lambda 2])\Big)\Big/\Big(r\,r1\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}\Big)-$$

$$\frac{1}{2\,r\,r1}\Big(\Big(2\,(r^2-2\,r\,r1+r1^2)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r1+r1^2}}\,\mathrm{EllipticE}\Big[$$

$$\frac{\theta 1}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Big)\Big/\Big(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}\Big)-$$

$$\Big(2\,(r^2+r1^2)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r1+r1^2}}\,\mathrm{EllipticF}\Big[$$

$$\frac{\theta 1}{2}, -\frac{4\, r\, r1}{r^2 - 2\, r\, r1 + r1^2}\Big]\Big) \Big/$$

$$\left(\sqrt{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 1]}\right) \mathrm{Sin}[3\, \lambda 2]\Big)\Big) +$$

$$\frac{1}{r^2 - r1^2}\, 12\, r1^3 \Bigg(-\Bigg((1 + 2\, \mathrm{Cos}[2\, \lambda])\, \mathrm{Sin}[\lambda] \Bigg(-\frac{1}{2\, r\, r1}\, \mathrm{Cos}[3\, \lambda 2]$$

$$\Bigg(\Bigg(2\left(r^2 - 2\, r\, r1 + r1^2\right) \sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 1]}{r^2 - 2\, r\, r1 + r1^2}}\, \mathrm{EllipticE}\Big[\frac{\theta 1}{2},$$

$$-\frac{4\, r\, r1}{r^2 - 2\, r\, r1 + r1^2}\Big]\Big) \Big/ \left(\sqrt{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 1]}\right) -$$

$$\Bigg(2\left(r^2 + r1^2\right) \sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 1]}{r^2 - 2\, r\, r1 + r1^2}}\, \mathrm{EllipticF}\Big[$$

$$\frac{\theta 1}{2}, -\frac{4\, r\, r1}{r^2 - 2\, r\, r1 + r1^2}\Big]\Bigg) \Big/ \left(\sqrt{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 1]}\right)\Bigg) -$$

$$\Bigg(\sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 1]}{r^2 + r1^2}} \Bigg(-r^2 - r1^2 + r^2 \sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 1]}{r^2 + r1^2}} +$$

$$r1^2 \sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 1]}{r^2 + r1^2}}\Bigg) (1 + 2\, \mathrm{Cos}[2\, \lambda 2])$$

$$\mathrm{Sin}[\lambda 2]\Bigg) \Big/ \left(r\, r1 \sqrt{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 1]}\right)\Bigg)\Bigg) +$$

$$\mathrm{Cos}[\lambda]\, (-1 + 2\, \mathrm{Cos}[2\, \lambda]) \Bigg(\Bigg(\sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 1]}{r^2 + r1^2}} \Bigg(-r^2 - r1^2 +$$

$$r^2 \sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 1]}{r^2 + r1^2}} + r1^2 \sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 1]}{r^2 + r1^2}}\Bigg)$$

$$\mathrm{Cos}[\lambda 2]\, (-1 + 2\, \mathrm{Cos}[2\, \lambda 2])\Bigg) \Big/ \left(r\, r1 \sqrt{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 1]}\right) -$$

$$\frac{1}{2\, r\, r1} \Bigg(\Bigg(2\left(r^2 - 2\, r\, r1 + r1^2\right) \sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 1]}{r^2 - 2\, r\, r1 + r1^2}}\, \mathrm{EllipticE}\Big[$$

$$\frac{\theta 1}{2}, -\frac{4\, r\, r1}{r^2 - 2\, r\, r1 + r1^2}\Big]\Big) \Big/ \left(\sqrt{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 1]}\right) -$$

$$\left(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticF}\Big[\frac{\theta1}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}\right)\mathrm{Sin}[3\,\lambda2]\Bigg)\Bigg)+$$

$$\frac{1}{r^2\left(r^2-r1^2\right)}\,8\,r1^5\Bigg(-\Bigg((1+2\,\mathrm{Cos}[2\,\lambda])\,\mathrm{Sin}[\lambda]\Bigg(-\frac{1}{2\,r\,r1}\,\mathrm{Cos}[3\,\lambda2]$$

$$\Bigg(\Bigg(2\left(r^2-2\,r\,r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticE}\Big[\frac{\theta1}{2},$$

$$-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Bigg)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}\right)-$$

$$\Bigg(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticF}\Big[$$

$$\frac{\theta1}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Bigg)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}\right)\Bigg)-$$

$$\Bigg(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}{r^2+r1^2}}\;\Bigg(-r^2-r1^2+r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}{r^2+r1^2}}+$$

$$r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}{r^2+r1^2}}\Bigg)(1+2\,\mathrm{Cos}[2\,\lambda2])$$

$$\mathrm{Sin}[\lambda2]\Bigg)\Big/\left(r\,r1\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}\right)\Bigg)\Bigg)+$$

$$\mathrm{Cos}[\lambda]\,(-1+2\,\mathrm{Cos}[2\,\lambda])\Bigg(\Bigg(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}{r^2+r1^2}}\;\Bigg(-r^2-r1^2+$$

$$r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}{r^2+r1^2}}+r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}{r^2+r1^2}}\Bigg)$$

$$\mathrm{Cos}[\lambda2]\,(-1+2\,\mathrm{Cos}[2\,\lambda2])\Bigg)\Big/\left(r\,r1\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}\right)-$$

$$\frac{1}{2\,r\,r1}\Bigg(\Bigg(2\left(r^2-2\,r\,r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticE}\Big[$$

$$\frac{\theta 1}{2}, -\frac{4\, r\, r1}{r^2 - 2\, r\, r1 + r1^2}\Big]\Big) \Big/ \left(\sqrt{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 1]}\right) -$$

$$\left(2\left(r^2 + r1^2\right)\sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 1]}{r^2 - 2\, r\, r1 + r1^2}}\ \mathrm{EllipticF}\Big[\right.$$

$$\frac{\theta 1}{2}, -\frac{4\, r\, r1}{r^2 - 2\, r\, r1 + r1^2}\Big]\Big) \Big/$$

$$\left.\left(\sqrt{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 1]}\right)\right) \mathrm{Sin}[3\, \lambda 2]\Bigg)\Bigg) +$$

$$\frac{1}{r^2 - r1^2}\, 32\, r^2\, r1 \Bigg((1 + 2\, \mathrm{Cos}[2\, \lambda])\, \mathrm{Sin}[\lambda] \Bigg(-\frac{1}{2\, r\, r1}\, \mathrm{Cos}[3\, \lambda 2]$$

$$\Bigg(\Bigg(2\left(r^2 - 2\, r\, r1 + r1^2\right)\sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 1]}{r^2 - 2\, r\, r1 + r1^2}}\ \mathrm{EllipticE}\Big[$$

$$\frac{\theta 1}{2}, -\frac{4\, r\, r1}{r^2 - 2\, r\, r1 + r1^2}\Big]\Bigg) \Big/ \left(\sqrt{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 1]}\right) -$$

$$\Bigg(2\left(r^2 + r1^2\right)\sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 1]}{r^2 - 2\, r\, r1 + r1^2}}\ \mathrm{EllipticF}\Big[\frac{\theta 1}{2},$$

$$-\frac{4\, r\, r1}{r^2 - 2\, r\, r1 + r1^2}\Big]\Bigg) \Big/ \left(\sqrt{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 1]}\right)\Bigg) +$$

$$\Bigg(\sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 1]}{r^2 + r1^2}}\ \Bigg(-r^2 - r1^2 + r^2\sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 1]}{r^2 + r1^2}} +$$

$$r1^2\sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 1]}{r^2 + r1^2}}\Bigg)\ (1 + 2\, \mathrm{Cos}[2\, \lambda 2])$$

$$\mathrm{Sin}[\lambda 2]\Bigg) \Big/ \left(r\, r1\sqrt{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 1]}\right)\Bigg) +$$

$$\mathrm{Cos}[\lambda]\ (-1 + 2\, \mathrm{Cos}[2\, \lambda])\ \Bigg(\Bigg(\sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 1]}{r^2 + r1^2}}\ \Bigg(-r^2 - r1^2 +$$

$$r^2\sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 1]}{r^2 + r1^2}} + r1^2\sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 1]}{r^2 + r1^2}}\Bigg)$$

$$\mathrm{Cos}[\lambda 2]\ (-1 + 2\, \mathrm{Cos}[2\, \lambda 2])\Bigg) \Big/ \left(r\, r1\sqrt{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 1]}\right) +$$

$$\frac{1}{2\,r\,r1}\left(\left(2\left(r^2-2\,r\,r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticE}\left[\frac{\theta 1}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}\right)-\left(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticF}\left[\frac{\theta 1}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}\right)\right)\mathrm{Sin}[3\,\lambda 2]\right)-$$

$$\frac{1}{r^2-r1^2}\,12\,r1^3\left((1+2\,\mathrm{Cos}[2\,\lambda])\,\mathrm{Sin}[\lambda]\left(-\frac{1}{2\,r\,r1}\,\mathrm{Cos}[3\,\lambda 2]\left(\left(2\left(r^2-2\,r\,r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticE}\left[\frac{\theta 1}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}\right)-\left(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticF}\left[\frac{\theta 1}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}\right)\right)+\left(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2+r1^2}}\left(-r^2-r1^2+r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2+r1^2}}+r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2+r1^2}}\right)(1+2\,\mathrm{Cos}[2\,\lambda 2])\,\mathrm{Sin}[\lambda 2]\right)\Big/\left(r\,r1\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}\right)\right)+\mathrm{Cos}[\lambda]\,(-1+2\,\mathrm{Cos}[2\,\lambda])\left(\left(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2+r1^2}}\left(-r^2-r1^2+r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2+r1^2}}+r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2+r1^2}}\right)\right.\right.$$

$$\text{Cos}[\lambda 2]\ (-1+2\,\text{Cos}[2\,\lambda 2])\Big)\Big/\Big(r\,r1\,\sqrt{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 1]}\Big)+$$

$$\frac{1}{2\,r\,r1}\Bigg(\Bigg(2\,(r^2-2\,r\,r1+r1^2)\,\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 1]}{r^2-2\,r\,r1+r1^2}}\ \text{EllipticE}\Big[$$

$$\frac{\theta 1}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Bigg)\Big/\Big(\sqrt{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 1]}\Big)-$$

$$\Bigg(2\,(r^2+r1^2)\,\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 1]}{r^2-2\,r\,r1+r1^2}}\ \text{EllipticF}\Big[$$

$$\frac{\theta 1}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Bigg)\Big/$$

$$\Big(\sqrt{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 1]}\Big)\Bigg)\ \text{Sin}[3\,\lambda 2]\Bigg)\Bigg)-$$

$$\frac{1}{r^2\,(r^2-r1^2)}\ 8\,r1^5\Bigg((1+2\,\text{Cos}[2\,\lambda])\ \text{Sin}[\lambda]\ \Bigg(-\frac{1}{2\,r\,r1}\ \text{Cos}[3\,\lambda 2]$$

$$\Bigg(\Bigg(2\,(r^2-2\,r\,r1+r1^2)\,\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 1]}{r^2-2\,r\,r1+r1^2}}\ \text{EllipticE}\Big[$$

$$\frac{\theta 1}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Bigg)\Big/\Big(\sqrt{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 1]}\Big)-$$

$$\Bigg(2\,(r^2+r1^2)\,\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 1]}{r^2-2\,r\,r1+r1^2}}\ \text{EllipticF}\Big[\frac{\theta 1}{2},$$

$$-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Bigg)\Big/\Big(\sqrt{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 1]}\Big)\Bigg)+$$

$$\Bigg(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 1]}{r^2+r1^2}}\ \Bigg(-r^2-r1^2+r^2\,\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 1]}{r^2+r1^2}}+$$

$$r1^2\,\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 1]}{r^2+r1^2}}\Bigg)\ (1+2\,\text{Cos}[2\,\lambda 2])$$

$$\text{Sin}[\lambda 2]\Bigg)\Big/\Big(r\,r1\,\sqrt{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 1]}\Big)\Bigg)+$$

$$\text{Cos}[\lambda]\ (-1+2\,\text{Cos}[2\,\lambda])\ \Bigg(\Bigg(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 1]}{r^2+r1^2}}\ \Bigg(-r^2-r1^2+$$

$$r^2 \sqrt{\frac{r^2 + r1^2 - 2\, r\, r1 \operatorname{Cos}[\theta 1]}{r^2 + r1^2}} + r1^2 \sqrt{\frac{r^2 + r1^2 - 2\, r\, r1 \operatorname{Cos}[\theta 1]}{r^2 + r1^2}}\Bigg)$$

$$\operatorname{Cos}[\lambda 2]\ (-1 + 2 \operatorname{Cos}[2\, \lambda 2])\Bigg) \Big/ \left(r\, r1 \sqrt{r^2 + r1^2 - 2\, r\, r1 \operatorname{Cos}[\theta 1]}\right) +$$

$$\frac{1}{2\, r\, r1} \Bigg(\Bigg(2 \left(r^2 - 2\, r\, r1 + r1^2\right) \sqrt{\frac{r^2 + r1^2 - 2\, r\, r1 \operatorname{Cos}[\theta 1]}{r^2 - 2\, r\, r1 + r1^2}}\ \operatorname{EllipticE}\Big[$$

$$\frac{\theta 1}{2}, -\frac{4\, r\, r1}{r^2 - 2\, r\, r1 + r1^2}\Big]\Bigg) \Big/ \left(\sqrt{r^2 + r1^2 - 2\, r\, r1 \operatorname{Cos}[\theta 1]}\right) -$$

$$\Bigg(2 \left(r^2 + r1^2\right) \sqrt{\frac{r^2 + r1^2 - 2\, r\, r1 \operatorname{Cos}[\theta 1]}{r^2 - 2\, r\, r1 + r1^2}}\ \operatorname{EllipticF}\Big[$$

$$\frac{\theta 1}{2}, -\frac{4\, r\, r1}{r^2 - 2\, r\, r1 + r1^2}\Big]\Bigg) \Big/$$

$$\left(\sqrt{r^2 + r1^2 - 2\, r\, r1 \operatorname{Cos}[\theta 1]}\right)\Bigg) \operatorname{Sin}[3\, \lambda 2]\Bigg)\Bigg) +$$

$$\frac{1}{r^2 - r2^2}\ 32\, r^2\, r2 \Bigg(-\Bigg((1 + 2 \operatorname{Cos}[2\, \lambda])\ \operatorname{Sin}[\lambda] \Bigg(-\frac{1}{2\, r\, r2} \operatorname{Cos}[3\, \lambda 2]$$

$$\Bigg(\Bigg(2 \left(r^2 - 2\, r\, r2 + r2^2\right) \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2 \operatorname{Cos}[\theta 1]}{r^2 - 2\, r\, r2 + r2^2}}\ \operatorname{EllipticE}\Big[\frac{\theta 1}{2},$$

$$-\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\Big]\Bigg) \Big/ \left(\sqrt{r^2 + r2^2 - 2\, r\, r2 \operatorname{Cos}[\theta 1]}\right) -$$

$$\Bigg(2 \left(r^2 + r2^2\right) \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2 \operatorname{Cos}[\theta 1]}{r^2 - 2\, r\, r2 + r2^2}}\ \operatorname{EllipticF}\Big[$$

$$\frac{\theta 1}{2}, -\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\Big]\Bigg) \Big/ \left(\sqrt{r^2 + r2^2 - 2\, r\, r2 \operatorname{Cos}[\theta 1]}\right)\Bigg) -$$

$$\Bigg(\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2 \operatorname{Cos}[\theta 1]}{r^2 + r2^2}} \Bigg(-r^2 - r2^2 + r^2 \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2 \operatorname{Cos}[\theta 1]}{r^2 + r2^2}} +$$

$$r2^2 \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2 \operatorname{Cos}[\theta 1]}{r^2 + r2^2}}\Bigg)\ (1 + 2 \operatorname{Cos}[2\, \lambda 2])$$

$$\operatorname{Sin}[\lambda 2]\Bigg) \Big/ \left(r\, r2 \sqrt{r^2 + r2^2 - 2\, r\, r2 \operatorname{Cos}[\theta 1]}\right)\Bigg)\Bigg) +$$

$$\mathrm{Cos}[\lambda]\ (-1+2\,\mathrm{Cos}[2\,\lambda])\ \left(\left(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}\ \left(-r^2-r2^2+\right.\right.\right.$$

$$\left.r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}+r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}\right)$$

$$\left.\mathrm{Cos}[\lambda 2]\ (-1+2\,\mathrm{Cos}[2\,\lambda 2])\right)\Big/\left(r\,r2\,\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}\right)-$$

$$\frac{1}{2\,r\,r2}\left(\left(2\left(r^2-2\,r\,r2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r2+r2^2}}\ \mathrm{EllipticE}\Big[\right.\right.$$

$$\left.\frac{\theta 1}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}\right)-$$

$$\left(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r2+r2^2}}\ \mathrm{EllipticF}\Big[\right.$$

$$\left.\frac{\theta 1}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\right)\Big/$$

$$\left.\left.\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}\right)\right)\mathrm{Sin}[3\,\lambda 2]\right)\right)-$$

$$\frac{1}{r^2-r2^2}\ 12\,r2^3\left(-\left((1+2\,\mathrm{Cos}[2\,\lambda])\ \mathrm{Sin}[\lambda]\ \left(-\frac{1}{2\,r\,r2}\ \mathrm{Cos}[3\,\lambda 2]\right.\right.\right.$$

$$\left(\left(2\left(r^2-2\,r\,r2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r2+r2^2}}\ \mathrm{EllipticE}\Big[\frac{\theta 1}{2},\right.\right.$$

$$\left.-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}\right)-$$

$$\left(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r2+r2^2}}\ \mathrm{EllipticF}\Big[\right.$$

$$\left.\left.\frac{\theta 1}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}\right)\right)-$$

$$\left(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}\ \left(-r^2-r2^2+r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}+\right.\right.$$

$$\left.r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}\right)(1+2\,\mathrm{Cos}[2\,\lambda 2])$$

$$\text{Sin}[\lambda 2]\Big)\Big/\Big(r\,r2\,\sqrt{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 1]}\Big)\Big)\Big)+$$

$$\text{Cos}[\lambda]\,(-1+2\,\text{Cos}[2\,\lambda])\Bigg(\Bigg(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 1]}{r^2+r2^2}}\Bigg(-r^2-r2^2+$$

$$r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 1]}{r^2+r2^2}}+r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 1]}{r^2+r2^2}}\Bigg)$$

$$\text{Cos}[\lambda 2]\,(-1+2\,\text{Cos}[2\,\lambda 2])\Bigg)\Big/\Big(r\,r2\,\sqrt{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 1]}\Big)-$$

$$\frac{1}{2\,r\,r2}\Bigg(\Bigg(2\,(r^2-2\,r\,r2+r2^2)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 1]}{r^2-2\,r\,r2+r2^2}}\,\text{EllipticE}\Big[$$

$$\frac{\theta 1}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\Bigg)\Big/\Big(\sqrt{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 1]}\Big)-$$

$$\Bigg(2\,(r^2+r2^2)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 1]}{r^2-2\,r\,r2+r2^2}}\,\text{EllipticF}\Big[$$

$$\frac{\theta 1}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\Bigg)\Big/$$

$$\Big(\sqrt{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 1]}\Big)\Bigg)\,\text{Sin}[3\,\lambda 2]\Bigg)\Bigg)-$$

$$\frac{1}{r^2\,(r^2-r2^2)}\,8\,r2^5\Bigg(-\Bigg((1+2\,\text{Cos}[2\,\lambda])\,\text{Sin}[\lambda]\Bigg(-\frac{1}{2\,r\,r2}\,\text{Cos}[3\,\lambda 2]$$

$$\Bigg(\Bigg(2\,(r^2-2\,r\,r2+r2^2)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 1]}{r^2-2\,r\,r2+r2^2}}\,\text{EllipticE}\Big[\frac{\theta 1}{2},$$

$$-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\Bigg)\Big/\Big(\sqrt{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 1]}\Big)-$$

$$\Bigg(2\,(r^2+r2^2)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 1]}{r^2-2\,r\,r2+r2^2}}\,\text{EllipticF}\Big[$$

$$\frac{\theta 1}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\Bigg)\Big/\Big(\sqrt{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 1]}\Big)\Bigg)-$$

$$\Bigg(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 1]}{r^2+r2^2}}\Bigg(-r^2-r2^2+r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 1]}{r^2+r2^2}}+$$

$$r2^2 \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 1]}{r^2 + r2^2}} \Big) (1 + 2\, \mathrm{Cos}[2\, \lambda 2])$$

$$\mathrm{Sin}[\lambda 2] \Big) \Big/ \Big(r\, r2 \sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 1]} \Big) \Big) \Big) +$$

$$\mathrm{Cos}[\lambda]\, (-1 + 2\, \mathrm{Cos}[2\, \lambda]) \Bigg(\Bigg(\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 1]}{r^2 + r2^2}} \Bigg(-r^2 - r2^2 +$$

$$r^2 \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 1]}{r^2 + r2^2}} + r2^2 \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 1]}{r^2 + r2^2}} \Bigg)$$

$$\mathrm{Cos}[\lambda 2]\, (-1 + 2\, \mathrm{Cos}[2\, \lambda 2]) \Bigg) \Big/ \Big(r\, r2 \sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 1]} \Big) -$$

$$\frac{1}{2\, r\, r2} \Bigg(\Bigg(2 \left(r^2 - 2\, r\, r2 + r2^2\right) \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 1]}{r^2 - 2\, r\, r2 + r2^2}}\, \mathrm{EllipticE}\Big[$$

$$\frac{\theta 1}{2}, -\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2} \Big] \Bigg) \Big/ \Big(\sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 1]} \Big) -$$

$$\Bigg(2 \left(r^2 + r2^2\right) \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 1]}{r^2 - 2\, r\, r2 + r2^2}}\, \mathrm{EllipticF}\Big[$$

$$\frac{\theta 1}{2}, -\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2} \Big] \Bigg) \Big/$$

$$\Big(\sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 1]} \Big) \Bigg) \mathrm{Sin}[3\, \lambda 2] \Bigg) \Bigg) -$$

$$\frac{1}{r^2 - r2^2}\, 32\, r^2\, r2 \Bigg((1 + 2\, \mathrm{Cos}[2\, \lambda])\, \mathrm{Sin}[\lambda] \Bigg(-\frac{1}{2\, r\, r2}\, \mathrm{Cos}[3\, \lambda 2]$$

$$\Bigg(\Bigg(2 \left(r^2 - 2\, r\, r2 + r2^2\right) \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 1]}{r^2 - 2\, r\, r2 + r2^2}}\, \mathrm{EllipticE}\Big[$$

$$\frac{\theta 1}{2}, -\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2} \Big] \Bigg) \Big/ \Big(\sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 1]} \Big) -$$

$$\Bigg(2 \left(r^2 + r2^2\right) \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 1]}{r^2 - 2\, r\, r2 + r2^2}}\, \mathrm{EllipticF}\Big[\frac{\theta 1}{2},$$

$$-\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2} \Big] \Bigg) \Big/ \Big(\sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 1]} \Big) \Bigg) +$$

$$\left(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}\left(-r^2-r2^2+r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}+\right.\right.$$

$$\left.r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}\right)(1+2\,\mathrm{Cos}[2\,\lambda 2])$$

$$\left.\mathrm{Sin}[\lambda 2]\right)\Big/\left(r\,r2\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}\right)\Bigg)+$$

$$\mathrm{Cos}[\lambda]\,(-1+2\,\mathrm{Cos}[2\,\lambda])\left(\left(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}\left(-r^2-r2^2+\right.\right.\right.$$

$$\left.r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}+r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}\right)$$

$$\left.\mathrm{Cos}[\lambda 2]\,(-1+2\,\mathrm{Cos}[2\,\lambda 2])\right)\Big/\left(r\,r2\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}\right)+$$

$$\frac{1}{2\,r\,r2}\left(\left(2\left(r^2-2\,r\,r2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r2+r2^2}}\,\mathrm{EllipticE}\Big[\right.\right.$$

$$\left.\frac{\theta 1}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}\right)-$$

$$\left(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r2+r2^2}}\,\mathrm{EllipticF}\Big[\right.$$

$$\left.\frac{\theta 1}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\right)\Big/$$

$$\left.\left.\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}\right)\right)\mathrm{Sin}[3\,\lambda 2]\right)\Bigg)+$$

$$\frac{1}{r^2-r2^2}\,12\,r2^3\left((1+2\,\mathrm{Cos}[2\,\lambda])\,\mathrm{Sin}[\lambda]\left(-\frac{1}{2\,r\,r2}\,\mathrm{Cos}[3\,\lambda 2]\right.\right.$$

$$\left(\left(2\left(r^2-2\,r\,r2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r2+r2^2}}\,\mathrm{EllipticE}\Big[\right.\right.$$

$$\left.\frac{\theta 1}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}\right)-$$

$$\left(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r2+r2^2}}\,\mathrm{EllipticF}\Big[\frac{\theta 1}{2},\right.$$

$$-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\Big)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}\right)\Big)+$$

$$\Bigg(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}\left(-r^2-r2^2+r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}+\right.$$

$$\left.r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}\right)(1+2\,\mathrm{Cos}[2\,\lambda 2])$$

$$\mathrm{Sin}[\lambda 2]\Bigg)\Big/\left(r\,r2\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}\right)\Bigg)+$$

$$\mathrm{Cos}[\lambda]\,(-1+2\,\mathrm{Cos}[2\,\lambda])\Bigg(\Bigg(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}\left(-r^2-r2^2+\right.$$

$$\left.r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}+r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}\right)$$

$$\mathrm{Cos}[\lambda 2]\,(-1+2\,\mathrm{Cos}[2\,\lambda 2])\Bigg)\Big/\left(r\,r2\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}\right)+$$

$$\frac{1}{2\,r\,r2}\Bigg(\Bigg(2\left(r^2-2\,r\,r2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r2+r2^2}}\,\mathrm{EllipticE}\Big[$$

$$\frac{\theta 1}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\Bigg)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}\right)-$$

$$\Bigg(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r2+r2^2}}\,\mathrm{EllipticF}\Big[$$

$$\frac{\theta 1}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\Bigg)\Big/$$

$$\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}\right)\Bigg)\,\mathrm{Sin}[3\,\lambda 2]\Bigg)\Bigg)+$$

$$\frac{1}{r^2\left(r^2-r2^2\right)}\,8\,r2^5\Bigg((1+2\,\mathrm{Cos}[2\,\lambda])\,\mathrm{Sin}[\lambda]\Bigg(-\frac{1}{2\,r\,r2}\,\mathrm{Cos}[3\,\lambda 2]$$

$$\Bigg(\Bigg(2\left(r^2-2\,r\,r2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r2+r2^2}}\,\mathrm{EllipticE}\Big[$$

$$\frac{\theta 1}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\Bigg)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}\right)-$$

$$\left(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta1]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticF}\left[\frac{\theta1}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta1]}\right)\Bigg)+$$

$$\left(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta1]}{r^2+r2^2}}\left(-r^2-r2^2+r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta1]}{r^2+r2^2}}+r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta1]}{r^2+r2^2}}\right)(1+2\,\mathrm{Cos}[2\,\lambda2])\,\mathrm{Sin}[\lambda2]\right)\Big/\left(r\,r2\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta1]}\right)\Bigg)+$$

$$\mathrm{Cos}[\lambda]\,(-1+2\,\mathrm{Cos}[2\,\lambda])\left(\left(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta1]}{r^2+r2^2}}\left(-r^2-r2^2+r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta1]}{r^2+r2^2}}+r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta1]}{r^2+r2^2}}\right)\mathrm{Cos}[\lambda2]\,(-1+2\,\mathrm{Cos}[2\,\lambda2])\right)\Big/\left(r\,r2\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta1]}\right)+$$

$$\frac{1}{2\,r\,r2}\left(\left(2\left(r^2-2\,r\,r2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta1]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticE}\left[\frac{\theta1}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta1]}\right)-\right.$$

$$\left(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta1]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticF}\left[\frac{\theta1}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Big/$$

$$\left.\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta1]}\right)\mathrm{Sin}[3\,\lambda2]\right)\Bigg)+$$

$$\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}\;\Bigg(\Big(2\,\big(-15\,r^2\,r1^3\,\mathrm{Cos}[\theta1+3\,\lambda-3\,\lambda1]-5\,r1^5$$

$$\mathrm{Cos}[\theta1+3\,\lambda-3\,\lambda1]+9\,r^2\,r1^3\,\mathrm{Cos}[\theta1+\lambda-\lambda1]-45\,r1^5$$
$$\mathrm{Cos}[\theta1+\lambda-\lambda1]-9\,r^2\,r1^3\,\mathrm{Cos}[\theta1-\lambda+\lambda1]+45\,r1^5\,\mathrm{Cos}[\theta1-\lambda+\lambda1]+15$$
$$r^2\,r1^3\,\mathrm{Cos}[\theta1-3\,\lambda+3\,\lambda1]+5\,r1^5\,\mathrm{Cos}[\theta1-3\,\lambda+3\,\lambda1]+15$$
$$r^2\,r1^3\,\mathrm{Cos}[\theta1+3\,\lambda-3\,\lambda2]+5\,r1^5\,\mathrm{Cos}[\theta1+3\,\lambda-3\,\lambda2]-9$$

$$r^2\, r1^3 \operatorname{Cos}[\theta 1+\lambda-\lambda 2]+45\, r1^5 \operatorname{Cos}[\theta 1+\lambda-\lambda 2]+9\, r^2$$
$$r1^3 \operatorname{Cos}[\theta 1-\lambda+\lambda 2]-45\, r1^5 \operatorname{Cos}[\theta 1-\lambda+\lambda 2]-15\, r^2$$
$$r1^3 \operatorname{Cos}[\theta 1-3\lambda+3\lambda 2]-5\, r1^5 \operatorname{Cos}[\theta 1-3\lambda+3\lambda 2]\big)\big)\big/$$
$$\big(r^2\,(r^2-r1^2)\,(-r^2-r1^2+2\, r\, r1 \operatorname{Cos}[\theta 1])\big)+$$
$$\frac{1}{r^2\,(-r^2-r1^2+2\, r\, r1 \operatorname{Cos}[\theta 1])^2}$$
$$2\,\big(-r^2\, r1^3 \operatorname{Cos}[\theta 1+3\lambda-3\lambda 1]+r1^5 \operatorname{Cos}[\theta 1+3\lambda-3\lambda 1]-$$
$$9\, r^2\, r1^3 \operatorname{Cos}[\theta 1+\lambda-\lambda 1]+9\, r1^5 \operatorname{Cos}[\theta 1+\lambda-\lambda 1]+$$
$$9\, r^2\, r1^3 \operatorname{Cos}[\theta 1-\lambda+\lambda 1]-9\, r1^5 \operatorname{Cos}[\theta 1-\lambda+\lambda 1]+$$
$$r^2\, r1^3 \operatorname{Cos}[\theta 1-3\lambda+3\lambda 1]-r1^5 \operatorname{Cos}[\theta 1-3\lambda+3\lambda 1]+$$
$$r^2\, r1^3 \operatorname{Cos}[\theta 1+3\lambda-3\lambda 2]-r1^5 \operatorname{Cos}[\theta 1+3\lambda-3\lambda 2]+$$
$$9\, r^2\, r1^3 \operatorname{Cos}[\theta 1+\lambda-\lambda 2]-9\, r1^5 \operatorname{Cos}[\theta 1+\lambda-\lambda 2]-$$
$$9\, r^2\, r1^3 \operatorname{Cos}[\theta 1-\lambda+\lambda 2]+9\, r1^5 \operatorname{Cos}[\theta 1-\lambda+\lambda 2]-$$
$$r^2\, r1^3 \operatorname{Cos}[\theta 1-3\lambda+3\lambda 2]+r1^5 \operatorname{Cos}[\theta 1-3\lambda+3\lambda 2]\big)-$$
$$\frac{1}{r^2-r1^2}\, 32 \operatorname{Csc}[\theta 1]\,\big(-2\, r1 \operatorname{Sin}[3\lambda-3\lambda 1]-r \operatorname{Sin}[\theta 1+3\lambda-3\lambda 1]+$$
$$r \operatorname{Sin}[\theta 1-3\lambda+3\lambda 1]+2\, r1 \operatorname{Sin}[3\lambda-3\lambda 2]+$$
$$r \operatorname{Sin}[\theta 1+3\lambda-3\lambda 2]-r \operatorname{Sin}[\theta 1-3\lambda+3\lambda 2]\big)\Big)+$$
$$\sqrt{r^2+r2^2-2\, r\, r2 \operatorname{Cos}[\theta 1]}\,\Big(-\big(\big(2\,\big(-15\, r^2\, r2^3 \operatorname{Cos}[\theta 1+3\lambda-3\lambda 1]-$$
$$5\, r2^5 \operatorname{Cos}[\theta 1+3\lambda-3\lambda 1]+9\, r^2\, r2^3 \operatorname{Cos}[\theta 1+\lambda-\lambda 1]-$$
$$45\, r2^5 \operatorname{Cos}[\theta 1+\lambda-\lambda 1]-9\, r^2\, r2^3 \operatorname{Cos}[\theta 1-\lambda+\lambda 1]+$$
$$45\, r2^5 \operatorname{Cos}[\theta 1-\lambda+\lambda 1]+15\, r^2\, r2^3 \operatorname{Cos}[\theta 1-3\lambda+3\lambda 1]+$$
$$5\, r2^5 \operatorname{Cos}[\theta 1-3\lambda+3\lambda 1]+15\, r^2\, r2^3 \operatorname{Cos}[\theta 1+3\lambda-3\lambda 2]+$$
$$5\, r2^5 \operatorname{Cos}[\theta 1+3\lambda-3\lambda 2]-9\, r^2\, r2^3 \operatorname{Cos}[\theta 1+\lambda-\lambda 2]+45\, r2^5$$
$$\operatorname{Cos}[\theta 1+\lambda-\lambda 2]+9\, r^2\, r2^3 \operatorname{Cos}[\theta 1-\lambda+\lambda 2]-45\, r2^5 \operatorname{Cos}[\theta 1-\lambda+\lambda 2]-$$
$$15\, r^2\, r2^3 \operatorname{Cos}[\theta 1-3\lambda+3\lambda 2]-5\, r2^5 \operatorname{Cos}[\theta 1-3\lambda+3\lambda 2]\big)\big)\big/$$
$$\big(r^2\,(r^2-r2^2)\,(-r^2-r2^2+2\, r\, r2 \operatorname{Cos}[\theta 1])\big)\big)-$$
$$\frac{1}{r^2\,(-r^2-r2^2+2\, r\, r2 \operatorname{Cos}[\theta 1])^2}\, 2\,\big(-r^2\, r2^3 \operatorname{Cos}[\theta 1+3\lambda-3\lambda 1]+$$
$$r2^5 \operatorname{Cos}[\theta 1+3\lambda-3\lambda 1]-9\, r^2\, r2^3 \operatorname{Cos}[\theta 1+\lambda-\lambda 1]+$$
$$9\, r2^5 \operatorname{Cos}[\theta 1+\lambda-\lambda 1]+9\, r^2\, r2^3 \operatorname{Cos}[\theta 1-\lambda+\lambda 1]-$$
$$9\, r2^5 \operatorname{Cos}[\theta 1-\lambda+\lambda 1]+r^2\, r2^3 \operatorname{Cos}[\theta 1-3\lambda+3\lambda 1]-$$
$$r2^5 \operatorname{Cos}[\theta 1-3\lambda+3\lambda 1]+r^2\, r2^3 \operatorname{Cos}[\theta 1+3\lambda-3\lambda 2]-$$
$$r2^5 \operatorname{Cos}[\theta 1+3\lambda-3\lambda 2]+9\, r^2\, r2^3 \operatorname{Cos}[\theta 1+\lambda-\lambda 2]-$$
$$9\, r2^5 \operatorname{Cos}[\theta 1+\lambda-\lambda 2]-9\, r^2\, r2^3 \operatorname{Cos}[\theta 1-\lambda+\lambda 2]+9\, r2^5 \operatorname{Cos}[\theta 1-\lambda+\lambda 2]-$$
$$r^2\, r2^3 \operatorname{Cos}[\theta 1-3\lambda+3\lambda 2]+r2^5 \operatorname{Cos}[\theta 1-3\lambda+3\lambda 2]\big)+$$
$$\frac{1}{r^2-r2^2}\, 32 \operatorname{Csc}[\theta 1]\,\big(-2\, r2 \operatorname{Sin}[3\lambda-3\lambda 1]-r \operatorname{Sin}[\theta 1+3\lambda-3\lambda 1]+$$
$$r \operatorname{Sin}[\theta 1-3\lambda+3\lambda 1]+2\, r2 \operatorname{Sin}[3\lambda-3\lambda 2]+$$

$$r\,\mathrm{Sin}[\theta 1+3\,\lambda-3\,\lambda 2]-r\,\mathrm{Sin}[\theta 1-3\,\lambda+3\,\lambda 2])\Big)\Big)+$$

$$\frac{1}{96\,r}\Bigg(\Bigg(64\,r\,r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticF}\Big[\frac{\theta 2}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\,\mathrm{Sin}[3\,\lambda-3\,\lambda 1]\Bigg)\Big/\Big(\left(r^2-r1^2\right)\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\Big)-$$

$$\Bigg(16\,r1^4\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticF}\Big[\frac{\theta 2}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\,\mathrm{Sin}[3\,\lambda-3\,\lambda 1]\Bigg)\Big/\Big(r\left(r^2-r1^2\right)\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\Big)-$$

$$\Bigg(64\,r\,r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticF}\Big[\frac{\theta 2}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\,\mathrm{Sin}[$$

$$3\,\lambda - 3\,\lambda 1]\Big)\Big/$$

$$\left(\left(r^2 - r2^2\right)\sqrt{r^2 + r2^2 - 2\,r\,r2\,\mathrm{Cos}[\theta 2]}\right) +$$

$$\Bigg(16\,r2^4\sqrt{\frac{r^2 + r2^2 - 2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2 - 2\,r\,r2 + r2^2}}\,\mathrm{EllipticF}\Big[\frac{\theta 2}{2}, -\frac{4\,r\,r2}{r^2 - 2\,r\,r2 + r2^2}\Big]\,\mathrm{Sin}[3\,\lambda - 3\,\lambda 1]\Bigg)\Big/$$

$$\left(r\left(r^2 - r2^2\right)\sqrt{r^2 + r2^2 - 2\,r\,r2\,\mathrm{Cos}[\theta 2]}\right) -$$

$$\frac{144\,r1^4\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r1+r1^2}}\,\mathrm{EllipticF}\left[\frac{\theta 2}{2}, -\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\mathrm{Sin}[\lambda - \lambda 1]}{r\left(r^2 - r1^2\right)\sqrt{r^2 + r1^2 - 2\,r\,r1\,\mathrm{Cos}[\theta 2]}} +$$

$$\frac{144\,r2^4\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r2+r2^2}}\,\mathrm{EllipticF}\left[\frac{\theta 2}{2}, -\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\mathrm{Sin}[\lambda - \lambda 1]}{r\left(r^2 - r2^2\right)\sqrt{r^2 + r2^2 - 2\,r\,r2\,\mathrm{Cos}[\theta 2]}} +$$

$$\frac{1}{r^2 - r1^2}\,36\,r1^3\Bigg(-\mathrm{Sin}[\lambda]\Bigg(-\frac{1}{2\,r\,r1}\,\mathrm{Cos}[\lambda 1]\Bigg(\Bigg(2\left(r^2 - 2\,r\,r1 + r1^2\right)\sqrt{\frac{r^2 + r1^2 - 2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2 - 2\,r\,r1 + r1^2}}\,\mathrm{EllipticE}\Big[\frac{\theta 2}{2}, -\frac{4\,r\,r1}{r^2 - 2\,r\,r1 + r1^2}\Big]\Bigg)\Big/\left(\sqrt{r^2 + r1^2 - 2\,r\,r1\,\mathrm{Cos}[\theta 2]}\right) -$$

$$\left(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticF}\left[\frac{\theta 2}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\right)\Bigg)-$$

$$\left(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}\left(-r^2-r1^2+r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}+r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}\right)\right.$$

$$\left.\mathrm{Sin}[\lambda 1]\right)\Big/\left(r\,r1\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\right)\Bigg)+$$

$$\mathrm{Cos}[\lambda]\left(\left(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}\left(-r^2-r1^2+r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}+r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}\right)\right.\right.$$

$$\left.\mathrm{Cos}[\lambda 1]\right)\Big/\left(r\,r1\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\right)-$$

$$\frac{1}{2\,r\,r1}\left(\left(2\left(r^2-2\,r\,r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticE}\left[\frac{\theta 2}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\right)-\right.$$

$$\left.\left(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticF}\left[\frac{\theta 2}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\right)\mathrm{Sin}[\lambda 1]\right)\Bigg)-$$

$$\frac{1}{r^2\left(r^2-r1^2\right)}\,72\,r1^5\left(-\mathrm{Sin}[\lambda]\left(-\frac{1}{2\,r\,r1}\,\mathrm{Cos}[\lambda 1]\left(\left(2\left(r^2-2\,r\,r1+r1^2\right)\right.\right.\right.\right.$$

$$\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticE}\left[\frac{\theta 2}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\Big)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\right)-$$

$$\left(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticF}\left[\frac{\theta 2}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\right)\Bigg)-$$

$$\left(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}\left(-r^2-r1^2+r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}+r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}\right)\right.$$

$$\left.\mathrm{Sin}[\lambda 1]\right)\Big/\left(r\,r1\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\right)\Bigg)+$$

$$\mathrm{Cos}[\lambda]\left(\left(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}\left(-r^2-r1^2+r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}+r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}\right)\right.\right.$$

$$\left.\mathrm{Cos}[\lambda 1]\right)\Big/\left(r\,r1\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\right)-$$

$$\frac{1}{2\,r\,r1}\left(\left(2\left(r^2-2\,r\,r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticE}\left[\frac{\theta 2}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\right)-\right.$$

$$\left.\left(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticF}\left[\frac{\theta 2}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\right)\mathrm{Sin}[\lambda 1]\right)\Bigg)-$$

$$\frac{1}{r^2-r1^2}\,36\,r1^3\left(\mathrm{Sin}[\lambda]\left(-\frac{1}{2\,r\,r1}\,\mathrm{Cos}[\lambda 1]\left(\left(2\left(r^2-2\,r\,r1+r1^2\right)\right.\right.\right.\right.$$

$$\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticE}\left[\frac{\theta 2}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\Big)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\right)-$$

$$\left(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticF}\left[\frac{\theta 2}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\right)\Bigg)+$$

$$\left(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}\left(-r^2-r1^2+r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}+r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}\right)\right.$$

$$\left.\mathrm{Sin}[\lambda 1]\right)\Big/\left(r\,r1\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\right)\Bigg)+$$

$$\mathrm{Cos}[\lambda]\left(\left(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}\left(-r^2-r1^2+r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}+r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}\right)\right.\right.$$

$$\left.\mathrm{Cos}[\lambda 1]\right)\Big/\left(r\,r1\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\right)+$$

$$\frac{1}{2\,r\,r1}\left(\left(2\left(r^2-2\,r\,r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticE}\left[\frac{\theta 2}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\right)-\right.$$

$$\left.\left(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticF}\left[\frac{\theta 2}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\right)\mathrm{Sin}[\lambda 1]\right)\Bigg)+$$

$$\frac{1}{r^2\left(r^2-r1^2\right)}\,72\,r1^5\left(\mathrm{Sin}[\lambda]\left(-\frac{1}{2\,r\,r1}\,\mathrm{Cos}[\lambda 1]\left(\left(2\left(r^2-2\,r\,r1+r1^2\right)\right.\right.\right.\right.$$

$$\left.\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticE}\left[\frac{\theta 2}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\right)-$$

$$\left(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticF}\left[\frac{\theta 2}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\right)\Bigg)+$$

$$\left(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}\left(-r^2-r1^2+r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}+r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}\right)\right.$$

$$\left.\mathrm{Sin}[\lambda 1]\right)\Big/\left(r\,r1\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\right)\Bigg)+$$

$$\mathrm{Cos}[\lambda]\left(\left(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}\left(-r^2-r1^2+r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}+r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}\right)\right.\right.$$

$$\left.\mathrm{Cos}[\lambda 1]\right)\Big/\left(r\,r1\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\right)+$$

$$\frac{1}{2\,r\,r1}\left(\left(2\left(r^2-2\,r\,r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticE}\left[\frac{\theta 2}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\right)-\right.$$

$$\left.\left(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticF}\left[\frac{\theta 2}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\right)\mathrm{Sin}[\lambda 1]\right)\Bigg)-$$

$$\frac{1}{r^2-r2^2}\,36\,r2^3\left(-\mathrm{Sin}[\lambda]\left(-\frac{1}{2\,r\,r2}\,\mathrm{Cos}[\lambda 1]\left(\left(2\left(r^2-2\,r\,r2+r2^2\right)\right.\right.\right.\right.$$

$$\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticE}\left[\frac{\theta 2}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\Big)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}\right)-$$

$$\left(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticF}\left[\frac{\theta 2}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}\right)\Bigg)-$$

$$\left(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2+r2^2}}\left(-r^2-r2^2+r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2+r2^2}}+r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2+r2^2}}\right)\right.$$

$$\left.\mathrm{Sin}[\lambda 1]\right)\Big/\left(r\,r2\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}\right)\Bigg)+$$

$$\mathrm{Cos}[\lambda]\left(\left(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2+r2^2}}\left(-r^2-r2^2+r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2+r2^2}}+r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2+r2^2}}\right)\right.\right.$$

$$\left.\mathrm{Cos}[\lambda 1]\right)\Big/\left(r\,r2\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}\right)-$$

$$\frac{1}{2\,r\,r2}\left(\left(2\left(r^2-2\,r\,r2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticE}\left[\frac{\theta 2}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}\right)-\right.$$

$$\left.\left(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticF}\left[\frac{\theta 2}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}\right)\mathrm{Sin}[\lambda 1]\right)\Bigg)+$$

$$\frac{1}{r^2\left(r^2-r2^2\right)}\,72\,r2^5\left(-\mathrm{Sin}[\lambda]\left(-\frac{1}{2\,r\,r2}\,\mathrm{Cos}[\lambda 1]\left(\left(2\left(r^2-2\,r\,r2+r2^2\right)\right.\right.\right.\right.$$

$$\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticE}\left[\frac{\theta 2}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\Big)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}\right)-$$

$$\left(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticF}\left[\frac{\theta 2}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}\right)\Bigg)-$$

$$\left(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2+r2^2}}\left(-r^2-r2^2+r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2+r2^2}}+r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2+r2^2}}\right)\right.$$

$$\left.\mathrm{Sin}[\lambda 1]\right)\Big/\left(r\,r2\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}\right)\Bigg)+$$

$$\mathrm{Cos}[\lambda]\left(\left(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2+r2^2}}\left(-r^2-r2^2+r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2+r2^2}}+r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2+r2^2}}\right)\right.\right.$$

$$\left.\mathrm{Cos}[\lambda 1]\right)\Big/\left(r\,r2\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}\right)-$$

$$\frac{1}{2\,r\,r2}\left(\left(2\left(r^2-2\,r\,r2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticE}\left[\frac{\theta 2}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}\right)-\right.$$

$$\left.\left(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticF}\left[\frac{\theta 2}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}\right)\mathrm{Sin}[\lambda 1]\right)\Bigg)+$$

$$\frac{1}{r^2-r2^2}\,36\,r2^3\left(\mathrm{Sin}[\lambda]\left(-\frac{1}{2\,r\,r2}\,\mathrm{Cos}[\lambda 1]\left(\left(2\left(r^2-2\,r\,r2+r2^2\right)\right.\right.\right.\right.$$

$$\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticE}\left[\frac{\theta 2}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\Big)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}\right)-$$

$$\left(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticF}\left[\frac{\theta 2}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}\right)\Bigg)+$$

$$\left(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2+r2^2}}\left(-r^2-r2^2+r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2+r2^2}}+r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2+r2^2}}\right)\right.$$

$$\left.\mathrm{Sin}[\lambda 1]\right)\Big/\left(r\,r2\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}\right)\Bigg)+$$

$$\mathrm{Cos}[\lambda]\left(\left(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2+r2^2}}\left(-r^2-r2^2+r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2+r2^2}}+r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2+r2^2}}\right)\right.\right.$$

$$\left.\mathrm{Cos}[\lambda 1]\right)\Big/\left(r\,r2\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}\right)+$$

$$\frac{1}{2\,r\,r2}\left(\left(2\left(r^2-2\,r\,r2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticE}\left[\frac{\theta 2}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}\right)-\right.$$

$$\left.\left(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticF}\left[\frac{\theta 2}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}\right)\mathrm{Sin}[\lambda 1]\right)\Bigg)-$$

$$\frac{1}{r^2\left(r^2-r2^2\right)}\,72\,r2^5\left(\mathrm{Sin}[\lambda]\left(-\frac{1}{2\,r\,r2}\,\mathrm{Cos}[\lambda 1]\left(\left(2\left(r^2-2\,r\,r2+r2^2\right)\right.\right.\right.\right.$$

$$\left.\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticE}\left[\frac{\theta 2}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}\right)-$$

$$\left(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticF}\left[\frac{\theta 2}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}\right)\Bigg)+$$

$$\left(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2+r2^2}}\left(-r^2-r2^2+r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2+r2^2}}+r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2+r2^2}}\right)\right.$$

$$\left.\mathrm{Sin}[\lambda 1]\right)\Big/\left(r\,r2\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}\right)\Bigg)+$$

$$\mathrm{Cos}[\lambda]\left(\left(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2+r2^2}}\left(-r^2-r2^2+r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2+r2^2}}+r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2+r2^2}}\right)\right.\right.$$

$$\left.\mathrm{Cos}[\lambda 1]\right)\Big/\left(r\,r2\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}\right)+$$

$$\frac{1}{2\,r\,r2}\left(\left(2\left(r^2-2\,r\,r2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticE}\left[\frac{\theta 2}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}\right)-\right.$$

$$\left.\left(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticF}\left[\frac{\theta 2}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}\right)\mathrm{Sin}[\lambda 1]\right)\Bigg)+$$

$$\frac{1}{r^2-r1^2}\,32\,r^2\,r1\left(-\left((1+2\,\mathrm{Cos}[2\,\lambda])\,\mathrm{Sin}[\lambda]\left(-\frac{1}{2\,r\,r1}\,\mathrm{Cos}[3\,\lambda 1]\right.\right.\right.$$

$$\left(\left(2\left(r^2-2\,r\,r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticE}\left[\frac{\theta 2}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\right)-\right.$$

$$\left(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticF}\left[\frac{\theta 2}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\right)-$$

$$\left(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}\left(-r^2-r1^2+r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}+r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}\right)(1+2\,\mathrm{Cos}[2\,\lambda 1])\,\mathrm{Sin}[\lambda 1]\right)\Big/\left(r\,r1\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\right)\Bigg)\Bigg)+$$

$$\mathrm{Cos}[\lambda]\,(-1+2\,\mathrm{Cos}[2\,\lambda])\left(\left(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}\left(-r^2-r1^2+r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}+r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}\right)\right.\right.$$

$$\mathrm{Cos}[\lambda 1]\,(-1+2\,\mathrm{Cos}[2\,\lambda 1])\Big)\Big/\left(r\,r1\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\right)-$$

$$\frac{1}{2\,r\,r1}\left(\left(2\left(r^2-2\,r\,r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticE}\left[\frac{\theta 2}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\right)-\left(2\left(r^2+r1^2\right)\right.\right.$$

$$\left.\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticF}\left[\frac{\theta 2}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\right)\Big/$$

$$\left.\left.\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\right)\right)\mathrm{Sin}[3\,\lambda 1]\right)\right)-$$

$$\frac{1}{r^2-r1^2}\,12\,r1^3\left(-\left((1+2\,\mathrm{Cos}[2\,\lambda])\,\mathrm{Sin}[\lambda]\left(-\frac{1}{2\,r\,r1}\,\mathrm{Cos}[3\,\lambda 1]\right.\right.\right.$$

$$\left(\left(2\left(r^2-2\,r\,r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticE}\left[\frac{\theta 2}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\right)-$$

$$\left(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticF}\left[\frac{\theta 2}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\right)-$$

$$\left(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}\left(-r^2-r1^2+r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}+r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}\right)(1+2\,\mathrm{Cos}[2\,\lambda 1])\right.$$

$$\left.\mathrm{Sin}[\lambda 1]\right)\Big/\left(r\,r1\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\right)\Bigg)\Bigg)+$$

$$\mathrm{Cos}[\lambda]\,(-1+2\,\mathrm{Cos}[2\,\lambda])\left(\left(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}\left(-r^2-r1^2+r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}+r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}\right)\right.\right.$$

$$\left.\mathrm{Cos}[\lambda 1]\,(-1+2\,\mathrm{Cos}[2\,\lambda 1])\right)\Big/\left(r\,r1\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\right)-$$

$$\frac{1}{2\,r\,r1}\left(\left(2\left(r^2-2\,r\,r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticE}\left[\frac{\theta 2}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\right)-\left(2\left(r^2+r1^2\right)\right.\right.$$

$$\left.\left.\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticF}\left[\frac{\theta 2}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\right)\right)\mathrm{Sin}[3\,\lambda 1]\Bigg)\Bigg)-$$

$$\frac{1}{r^2\left(r^2-r1^2\right)}\,8\,r1^5\left(-\left((1+2\,\mathrm{Cos}[2\,\lambda])\,\mathrm{Sin}[\lambda]\left(-\frac{1}{2\,r\,r1}\,\mathrm{Cos}[3\,\lambda 1]\right.\right.\right.$$

$$\left(\left(2\left(r^2-2\,r\,r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticE}\left[\frac{\theta 2}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\right)-$$

$$\left(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticF}\left[\frac{\theta 2}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\right)-$$

$$\left(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}\left(-r^2-r1^2+r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}+r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}\right)(1+2\,\mathrm{Cos}[2\,\lambda 1])\right.$$

$$\left.\mathrm{Sin}[\lambda 1]\right)\Big/\left(r\,r1\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\right)\Bigg)\Bigg)+$$

$$\mathrm{Cos}[\lambda]\,(-1+2\,\mathrm{Cos}[2\,\lambda])\left(\left(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}\left(-r^2-r1^2+r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}+r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}\right)\right.\right.$$

$$\left.\mathrm{Cos}[\lambda 1]\,(-1+2\,\mathrm{Cos}[2\,\lambda 1])\right)\Big/\left(r\,r1\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\right)-$$

$$\frac{1}{2\,r\,r1}\left(\left(2\left(r^2-2\,r\,r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticE}\left[\frac{\theta 2}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\right)-\left(2\left(r^2+r1^2\right)\right.\right.$$

$$\left.\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticF}\left[\frac{\theta 2}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\right)\Big/$$

$$\left.\left.\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\right)\right)\mathrm{Sin}[3\,\lambda 1]\right)\Bigg)-$$

$$\frac{1}{r^2-r1^2}\,32\,r^2\,r1\left((1+2\,\mathrm{Cos}[2\,\lambda])\,\mathrm{Sin}[\lambda]\left(-\frac{1}{2\,r\,r1}\,\mathrm{Cos}[3\,\lambda 1]\right.\right.$$

$$\left(\left(2\left(r^2-2\,r\,r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticE}\left[\frac{\theta 2}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\right)-\right.$$

$$\left(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticF}\left[\frac{\theta 2}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\right)\Bigg)+$$

$$\left(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}\left(-r^2-r1^2+r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}+r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}\right)(1+2\,\mathrm{Cos}[2\,\lambda 1])\right.$$

$$\left.\mathrm{Sin}[\lambda 1]\right)\Big/\left(r\,r1\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\right)\Bigg)+$$

$$\mathrm{Cos}[\lambda]\,(-1+2\,\mathrm{Cos}[2\,\lambda])\left(\left(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}\left(-r^2-r1^2+r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}+r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}\right)\right.\right.$$

$$\left.\mathrm{Cos}[\lambda 1]\,(-1+2\,\mathrm{Cos}[2\,\lambda 1])\right)\Big/\left(r\,r1\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\right)+$$

$$\frac{1}{2\,r\,r1}\left(\left(2\left(r^2-2\,r\,r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticE}\left[\frac{\theta 2}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\right)-\left(2\left(r^2+r1^2\right)\right.\right.$$

$$\left.\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticF}\left[\frac{\theta 2}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\right)\Big/$$

$$\left.\left.\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\right)\right)\mathrm{Sin}[3\,\lambda 1]\right)\right)+$$

$$\frac{1}{r^2-r1^2}\,12\,r1^3\left((1+2\,\mathrm{Cos}[2\,\lambda])\,\mathrm{Sin}[\lambda]\left(-\frac{1}{2\,r\,r1}\,\mathrm{Cos}[3\,\lambda 1]\right.\right.$$

$$\left(\left(2\left(r^2-2\,r\,r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticE}\left[\frac{\theta 2}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\right)-\right.$$

$$\left(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticF}\left[\frac{\theta 2}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\right)\Bigg)+$$

$$\left(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}\left(-r^2-r1^2+r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}+r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}\right)(1+2\,\mathrm{Cos}[2\,\lambda 1])\right.$$

$$\left.\mathrm{Sin}[\lambda 1]\right)\Big/\left(r\,r1\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\right)\Bigg)+$$

$$\mathrm{Cos}[\lambda]\,(-1+2\,\mathrm{Cos}[2\,\lambda])\left(\left(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}\left(-r^2-r1^2+r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}+r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}\right)\right.\right.$$

$$\left.\mathrm{Cos}[\lambda 1]\,(-1+2\,\mathrm{Cos}[2\,\lambda 1])\right)\Big/\left(r\,r1\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\right)+$$

$$\frac{1}{2\,r\,r1}\left(\left(2\left(r^2-2\,r\,r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticE}\left[\frac{\theta 2}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\right)-\left(2\left(r^2+r1^2\right)\right.\right.$$

$$\left.\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticF}\left[\frac{\theta 2}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\right)\Big/$$

$$\left.\left.\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\right)\right)\mathrm{Sin}[3\,\lambda 1]\right)\right)+$$

$$\frac{1}{r^2\left(r^2-r1^2\right)}\,8\,r1^5\left((1+2\,\mathrm{Cos}[2\,\lambda])\,\mathrm{Sin}[\lambda]\left(-\frac{1}{2\,r\,r1}\,\mathrm{Cos}[3\,\lambda 1]\right.\right.$$

$$\left(\left(2\left(r^2-2\,r\,r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticE}\left[\frac{\theta 2}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\right)-\right.$$

$$\left(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticF}\left[\frac{\theta 2}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\right)\Bigg)+$$

$$\left(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}\left(-r^2-r1^2+r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}+r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}\right)(1+2\,\mathrm{Cos}[2\,\lambda 1])\right.$$

$$\left.\mathrm{Sin}[\lambda 1]\right)\Big/\left(r\,r1\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\right)\Bigg)+$$

$$\mathrm{Cos}[\lambda]\,(-1+2\,\mathrm{Cos}[2\,\lambda])\left(\left(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}\left(-r^2-r1^2+r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}+r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}\right)\right.\right.$$

$$\left.\mathrm{Cos}[\lambda 1]\,(-1+2\,\mathrm{Cos}[2\,\lambda 1])\right)\Big/\left(r\,r1\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\right)+$$

$$\frac{1}{2\,r\,r1}\left(\left(2\left(r^2-2\,r\,r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticE}\left[\frac{\theta 2}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\right)-\left(2\left(r^2+r1^2\right)\right.\right.$$

$$\left.\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticF}\left[\frac{\theta 2}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\right)\Big/$$

$$\left.\left.\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\right)\right)\mathrm{Sin}[3\,\lambda 1]\right)\Bigg)-$$

$$\frac{1}{r^2-r2^2}\,32\,r^2\,r2\left(-\left((1+2\,\mathrm{Cos}[2\,\lambda])\,\mathrm{Sin}[\lambda]\left(-\frac{1}{2\,r\,r2}\,\mathrm{Cos}[3\,\lambda 1]\right.\right.\right.$$

$$\left(\left(2\left(r^2-2\,r\,r2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticE}\left[\frac{\theta 2}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}\right)-$$

$$\left(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticF}\left[\frac{\theta 2}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}\right)-$$

$$\left(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2+r2^2}}\left(-r^2-r2^2+r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2+r2^2}}+r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2+r2^2}}\right)(1+2\,\mathrm{Cos}[2\,\lambda 1])\right.$$

$$\left.\mathrm{Sin}[\lambda 1]\right)\Big/\left(r\,r2\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}\right)\Bigg)\Bigg)+$$

$$\mathrm{Cos}[\lambda]\,(-1+2\,\mathrm{Cos}[2\,\lambda])\left(\left(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2+r2^2}}\left(-r^2-r2^2+r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2+r2^2}}+r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2+r2^2}}\right)\right.\right.$$

$$\left.\mathrm{Cos}[\lambda 1]\,(-1+2\,\mathrm{Cos}[2\,\lambda 1])\right)\Big/\left(r\,r2\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}\right)-$$

$$\frac{1}{2\,r\,r2}\left(\left(2\left(r^2-2\,r\,r2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticE}\left[\frac{\theta 2}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}\right)-\left(2\left(r^2+r2^2\right)\right.\right.$$

$$\left.\left.\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticF}\left[\frac{\theta 2}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}\right)\right)\mathrm{Sin}[3\,\lambda 1]\Bigg)\Bigg)+$$

$$\frac{1}{r^2-r2^2}\,12\,r2^3\left(-\left((1+2\,\mathrm{Cos}[2\,\lambda])\,\mathrm{Sin}[\lambda]\left(-\frac{1}{2\,r\,r2}\,\mathrm{Cos}[3\,\lambda 1]\right.\right.\right.$$

$$\left(\left(2\left(r^2-2\,r\,r2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticE}\left[\frac{\theta 2}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}\right)-\right.$$

$$\left(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticF}\left[\frac{\theta 2}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}\right)-$$

$$\left(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2+r2^2}}\left(-r^2-r2^2+r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2+r2^2}}+r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2+r2^2}}\right)(1+2\,\mathrm{Cos}[2\,\lambda 1])\right.$$

$$\left.\mathrm{Sin}[\lambda 1]\right)\Big/\left(r\,r2\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}\right)\Bigg)\Bigg)+$$

$$\mathrm{Cos}[\lambda]\,(-1+2\,\mathrm{Cos}[2\,\lambda])\left(\left(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2+r2^2}}\left(-r^2-r2^2+r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2+r2^2}}+r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2+r2^2}}\right)\right.\right.$$

$$\left.\mathrm{Cos}[\lambda 1]\,(-1+2\,\mathrm{Cos}[2\,\lambda 1])\right)\Big/\left(r\,r2\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}\right)-$$

$$\frac{1}{2\,r\,r2}\left(\left(2\left(r^2-2\,r\,r2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticE}\left[\frac{\theta 2}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}\right)-\left(2\left(r^2+r2^2\right)\right.\right.$$

$$\left.\left.\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticF}\left[\frac{\theta 2}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}\right)\right)\mathrm{Sin}[3\,\lambda 1]\Bigg)\Bigg)+$$

$$\frac{1}{r^2\left(r^2-r2^2\right)}\,8\,r2^5\left(-\left((1+2\,\mathrm{Cos}[2\,\lambda])\,\mathrm{Sin}[\lambda]\left(-\frac{1}{2\,r\,r2}\,\mathrm{Cos}[3\,\lambda 1]\right.\right.\right.$$

$$\left(\left(2\left(r^2-2\,r\,r2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticE}\left[\frac{\theta 2}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}\right)-$$

$$\left(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticF}\left[\frac{\theta 2}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}\right)-$$

$$\left(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2+r2^2}}\left(-r^2-r2^2+r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2+r2^2}}+r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2+r2^2}}\right)(1+2\,\mathrm{Cos}[2\,\lambda 1])\right.$$

$$\left.\mathrm{Sin}[\lambda 1]\right)\Big/\left(r\,r2\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}\right)\Bigg)\Bigg)+$$

$$\mathrm{Cos}[\lambda]\,(-1+2\,\mathrm{Cos}[2\,\lambda])\left(\left(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2+r2^2}}\left(-r^2-r2^2+r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2+r2^2}}+r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2+r2^2}}\right)\right.\right.$$

$$\left.\mathrm{Cos}[\lambda 1]\,(-1+2\,\mathrm{Cos}[2\,\lambda 1])\right)\Big/\left(r\,r2\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}\right)-$$

$$\frac{1}{2\,r\,r2}\left(\left(2\left(r^2-2\,r\,r2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticE}\left[\frac{\theta 2}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}\right)-\left(2\left(r^2+r2^2\right)\right.\right.$$

$$\left.\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticF}\left[\frac{\theta 2}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Big/$$

$$\left.\left.\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}\right)\right)\mathrm{Sin}[3\,\lambda 1]\right)\Bigg)+$$

$$\frac{1}{r^2-r2^2}\,32\,r^2\,r2\left((1+2\,\mathrm{Cos}[2\,\lambda])\,\mathrm{Sin}[\lambda]\left(-\frac{1}{2\,r\,r2}\,\mathrm{Cos}[3\,\lambda 1]\right.\right.$$

$$\left(\left(2\left(r^2-2\,r\,r2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticE}\left[\frac{\theta 2}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}\right)-\right.$$

$$\left(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticF}\left[\frac{\theta 2}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}\right)\Bigg)+$$

$$\left(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2+r2^2}}\left(-r^2-r2^2+r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2+r2^2}}+r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2+r2^2}}\right)(1+2\,\mathrm{Cos}[2\,\lambda 1])\right.$$

$$\left.\mathrm{Sin}[\lambda 1]\right)\Big/\left(r\,r2\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}\right)\Bigg)+$$

$$\mathrm{Cos}[\lambda]\,(-1+2\,\mathrm{Cos}[2\,\lambda])\left(\left(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2+r2^2}}\left(-r^2-r2^2+r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2+r2^2}}+r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2+r2^2}}\right)\right.\right.$$

$$\left.\mathrm{Cos}[\lambda 1]\,(-1+2\,\mathrm{Cos}[2\,\lambda 1])\right)\Big/\left(r\,r2\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}\right)+$$

$$\frac{1}{2\,r\,r2}\left(\left(2\left(r^2-2\,r\,r2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticE}\left[\frac{\theta 2}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}\right)-\left(2\left(r^2+r2^2\right)\right.\right.$$

$$\left.\left.\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticF}\left[\frac{\theta 2}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}\right)\right)\mathrm{Sin}[3\,\lambda 1]\Bigg)\Bigg)-$$

$$\frac{1}{r^2-r2^2}\,12\,r2^3\left((1+2\,\mathrm{Cos}[2\,\lambda])\,\mathrm{Sin}[\lambda]\left(-\frac{1}{2\,r\,r2}\,\mathrm{Cos}[3\,\lambda 1]\right.\right.$$

$$\left(\left(2\left(r^2-2\,r\,r2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticE}\left[\frac{\theta 2}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}\right)-\right.$$

$$\left(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticF}\left[\frac{\theta 2}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}\right)\Bigg)+$$

$$\left(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2+r2^2}}\left(-r^2-r2^2+r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2+r2^2}}+r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2+r2^2}}\right)(1+2\,\mathrm{Cos}[2\,\lambda 1])\right.$$

$$\left.\mathrm{Sin}[\lambda 1]\right)\Big/\left(r\,r2\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}\right)\Bigg)+$$

$$\mathrm{Cos}[\lambda]\,(-1+2\,\mathrm{Cos}[2\,\lambda])\left(\left(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2+r2^2}}\left(-r^2-r2^2+r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2+r2^2}}+r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2+r2^2}}\right)\right.\right.$$

$$\left.\mathrm{Cos}[\lambda 1]\,(-1+2\,\mathrm{Cos}[2\,\lambda 1])\right)\Big/\left(r\,r2\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}\right)+$$

$$\frac{1}{2\,r\,r2}\left(\left(2\left(r^2-2\,r\,r2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticE}\left[\frac{\theta 2}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}\right)-\left(2\left(r^2+r2^2\right)\right.\right.$$

$$\left.\left.\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticF}\left[\frac{\theta 2}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}\right)\right)\mathrm{Sin}[3\,\lambda 1]\Bigg)\Bigg)-$$

$$\frac{1}{r^2\left(r^2-r2^2\right)}\,8\,r2^5\left((1+2\,\mathrm{Cos}[2\,\lambda])\,\mathrm{Sin}[\lambda]\left(-\frac{1}{2\,r\,r2}\,\mathrm{Cos}[3\,\lambda 1]\right.\right.$$

$$\left(\left(2\left(r^2-2\,r\,r2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticE}\left[\frac{\theta 2}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}\right)-$$

$$\left(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticF}\left[\frac{\theta 2}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}\right)\Bigg)+$$

$$\left(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2+r2^2}}\left(-r^2-r2^2+r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2+r2^2}}+r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2+r2^2}}\right)(1+2\,\mathrm{Cos}[2\,\lambda 1])\right.$$

$$\left.\mathrm{Sin}[\lambda 1]\right)\Big/\left(r\,r2\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}\right)\Bigg)+$$

$$\mathrm{Cos}[\lambda]\,(-1+2\,\mathrm{Cos}[2\,\lambda])\left(\left(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2+r2^2}}\left(-r^2-r2^2+r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2+r2^2}}+r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2+r2^2}}\right)\right.\right.$$

$$\left.\mathrm{Cos}[\lambda 1]\,(-1+2\,\mathrm{Cos}[2\,\lambda 1])\right)\Big/\left(r\,r2\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}\right)+$$

$$\frac{1}{2\,r\,r2}\left(\left(2\left(r^2-2\,r\,r2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticE}\left[\frac{\theta 2}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}\right)-\left(2\left(r^2+r2^2\right)\right.\right.$$

$$\left.\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticF}\left[\frac{\theta 2}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Big/$$

$$\left.\left.\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}\right)\right)\mathrm{Sin}[3\,\lambda 1]\right)\Bigg)-$$

$$\left(64\,r\,r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticF}\left[\frac{\theta 2}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\right.$$

$$\mathrm{Sin}[$$

$$\left.3\,\lambda-3\,\lambda 2]\right)\Big/$$

$$\left(\left(r^2-r1^2\right)\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\right)+$$

$$\left(16\, r1^4 \sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 2]}{r^2 - 2\, r\, r1 + r1^2}}\, \mathrm{EllipticF}\left[\frac{\theta 2}{2}, -\frac{4\, r\, r1}{r^2 - 2\, r\, r1 + r1^2}\right] \mathrm{Sin}[3\, \lambda - 3\, \lambda 2]\right) \Big/ \left(r\, \left(r^2 - r1^2\right) \sqrt{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 2]}\right) +$$

$$\left(64\, r\, r2^2 \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}{r^2 - 2\, r\, r2 + r2^2}}\, \mathrm{EllipticF}\left[\frac{\theta 2}{2}, -\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\right] \mathrm{Sin}[3\, \lambda - 3\, \lambda 2]\right) \Big/ \left(\left(r^2 - r2^2\right) \sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}\right) -$$

$$\left(16\, r2^4 \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}{r^2 - 2\, r\, r2 + r2^2}}\, \mathrm{EllipticF}\left[\frac{\theta 2}{2}, -\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\right] \mathrm{Sin}[\right.$$

$$3\,\lambda - 3\,\lambda 2]\Big) \Big/$$

$$\left(r\left(r^2 - r2^2\right)\sqrt{r^2 + r2^2 - 2\,r\,r2\,\mathrm{Cos}[\theta 2]}\right) +$$

$$\frac{144\,r1^4\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticF}\left[\frac{\theta 2}{2}, -\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\mathrm{Sin}[\lambda - \lambda 2]}{r\left(r^2 - r1^2\right)\sqrt{r^2 + r1^2 - 2\,r\,r1\,\mathrm{Cos}[\theta 2]}} -$$

$$\frac{144\,r2^4\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticF}\left[\frac{\theta 2}{2}, -\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\mathrm{Sin}[\lambda - \lambda 2]}{r\left(r^2 - r2^2\right)\sqrt{r^2 + r2^2 - 2\,r\,r2\,\mathrm{Cos}[\theta 2]}} -$$

$$\frac{1}{r^2 - r1^2}$$

$$36\,r1^3$$

$$\Bigg(-\mathrm{Sin}[\lambda]$$

$$\Bigg(-\frac{1}{2\,r\,r1}\,\mathrm{Cos}[\lambda 2]$$

$$\Bigg(\Bigg(2\left(r^2 - 2\,r\,r1 + r1^2\right)\sqrt{\frac{r^2 + r1^2 - 2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2 - 2\,r\,r1 + r1^2}}\;\mathrm{EllipticE}\Big[$$

$$\frac{\theta 2}{2}, -\frac{4\,r\,r1}{r^2 - 2\,r\,r1 + r1^2}\Big]\Bigg) \Big/ \left(\sqrt{r^2 + r1^2 - 2\,r\,r1\,\mathrm{Cos}[\theta 2]}\right) -$$

$$\Bigg(2\left(r^2 + r1^2\right)\sqrt{\frac{r^2 + r1^2 - 2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2 - 2\,r\,r1 + r1^2}}\;\mathrm{EllipticF}\Big[\frac{\theta 2}{2},$$

$$-\frac{4\,r\,r1}{r^2 - 2\,r\,r1 + r1^2}\Big]\Bigg) \Big/ \left(\sqrt{r^2 + r1^2 - 2\,r\,r1\,\mathrm{Cos}[\theta 2]}\right)\Bigg) -$$

$$\Bigg(\sqrt{\frac{r^2 + r1^2 - 2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2 + r1^2}}\;\Bigg(-r^2 - r1^2 + r^2\sqrt{\frac{r^2 + r1^2 - 2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2 + r1^2}} +$$

$$r1^2\sqrt{\frac{r^2 + r1^2 - 2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2 + r1^2}}\Bigg)$$

$$\mathrm{Sin}[\lambda 2]\Bigg) \Big/ \left(r\,r1\sqrt{r^2 + r1^2 - 2\,r\,r1\,\mathrm{Cos}[\theta 2]}\right)\Bigg) +$$

$$\mathrm{Cos}[\lambda]\Bigg(\Bigg(\sqrt{\frac{r^2 + r1^2 - 2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2 + r1^2}}\;\Bigg(-r^2 - r1^2 + r^2$$

$$\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}+r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}\Bigg)$$

$$\mathrm{Cos}[\lambda 2]\Bigg)\Big/\left(r\,r1\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\right)-$$

$$\frac{1}{2\,r\,r1}\Bigg(\Bigg(2\left(r^2-2\,r\,r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticE}\Big[$$

$$\frac{\theta 2}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Bigg)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\right)-$$

$$\Bigg(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticF}\Big[\frac{\theta 2}{2},$$

$$-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Bigg)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\right)\Bigg)\,\mathrm{Sin}[\lambda 2]\Bigg)\Bigg)+$$

$$\frac{1}{r^2\left(r^2-r1^2\right)}\,72\,r1^5\Bigg(-\mathrm{Sin}[\lambda]\Bigg(-\frac{1}{2\,r\,r1}\,\mathrm{Cos}[\lambda 2]\Bigg(\Bigg(2\left(r^2-2\,r\,r1+r1^2\right)$$

$$\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticE}\Big[\frac{\theta 2}{2},$$

$$-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Bigg)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\right)-$$

$$\Bigg(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticF}\Big[\frac{\theta 2}{2},$$

$$-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Bigg)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\right)\Bigg)-$$

$$\Bigg(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}\Bigg(-r^2-r1^2+r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}+$$

$$r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}\Bigg)$$

$$\mathrm{Sin}[\lambda 2]\Bigg)\Big/\left(r\,r1\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\right)\Bigg)+$$

$$\mathrm{Cos}[\lambda]\Bigg(\Bigg(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}\Bigg(-r^2-r1^2+r^2$$

$$\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}+r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}\Bigg)$$

$$\mathrm{Cos}[\lambda 2]\Bigg)\Big/\left(r\,r1\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\right)-$$

$$\frac{1}{2\,r\,r1}\Bigg(\Bigg(2\left(r^2-2\,r\,r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticE}\Big[$$

$$\frac{\theta 2}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Bigg)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\right)-$$

$$\Bigg(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticF}\Big[\frac{\theta 2}{2},$$

$$-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Bigg)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\right)\Bigg)\,\mathrm{Sin}[\lambda 2]\Bigg)\Bigg)+$$

$$\frac{1}{r^2-r1^2}\,36\,r1^3\Bigg(\mathrm{Sin}[\lambda]\Bigg(-\frac{1}{2\,r\,r1}\,\mathrm{Cos}[\lambda 2]\Bigg(\Bigg(2\left(r^2-2\,r\,r1+r1^2\right)$$

$$\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticE}\Big[\frac{\theta 2}{2},$$

$$-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Bigg)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\right)-$$

$$\Bigg(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticF}\Big[\frac{\theta 2}{2},$$

$$-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Bigg)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\right)\Bigg)+$$

$$\Bigg(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}\;\Bigg(-r^2-r1^2+r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}+$$

$$r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}\Bigg)$$

$$\mathrm{Sin}[\lambda 2]\Bigg)\Big/\left(r\,r1\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\right)\Bigg)+$$

$$\mathrm{Cos}[\lambda]\Bigg(\Bigg(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}\;\Bigg(-r^2-r1^2+r^2$$

$$\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}+r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}\Bigg)$$

$$\mathrm{Cos}[\lambda 2]\Bigg)\Big/\left(r\,r1\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\right)+$$

$$\frac{1}{2\,r\,r1}\Bigg(\Bigg(2\left(r^2-2\,r\,r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticE}\Big[$$

$$\frac{\theta 2}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Bigg)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\right)-$$

$$\Bigg(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticF}\Big[\frac{\theta 2}{2},$$

$$-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Bigg)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\right)\Bigg)\,\mathrm{Sin}[\lambda 2]\Bigg)\Bigg)-$$

$$\frac{1}{r^2\left(r^2-r1^2\right)}\,72\,r1^5\Bigg(\mathrm{Sin}[\lambda]\Bigg(-\frac{1}{2\,r\,r1}\,\mathrm{Cos}[\lambda 2]\Bigg(\Bigg(2\left(r^2-2\,r\,r1+r1^2\right)$$

$$\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticE}\Big[\frac{\theta 2}{2},$$

$$-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Bigg)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\right)-$$

$$\Bigg(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticF}\Big[\frac{\theta 2}{2},$$

$$-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Bigg)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\right)\Bigg)+$$

$$\Bigg(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}\;\Bigg(-r^2-r1^2+r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}+$$

$$r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}\Bigg)$$

$$\mathrm{Sin}[\lambda 2]\Bigg)\Big/\left(r\,r1\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\right)\Bigg)+$$

$$\mathrm{Cos}[\lambda]\Bigg(\Bigg(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}\;\Bigg(-r^2-r1^2+r^2$$

$$\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}+r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}\Bigg)$$

$$\mathrm{Cos}[\lambda 2]\Bigg)\Big/\left(r\,r1\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\right)+$$

$$\frac{1}{2\,r\,r1}\Bigg(\Bigg(2\left(r^2-2\,r\,r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticE}\Big[$$

$$\frac{\theta 2}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Bigg)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\right)-$$

$$\Bigg(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticF}\Big[\frac{\theta 2}{2},$$

$$-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Bigg)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\right)\Bigg)\,\mathrm{Sin}[\lambda 2]\Bigg)\Bigg)+$$

$$\frac{1}{r^2-r2^2}\,36\,r2^3\Bigg(-\mathrm{Sin}[\lambda]\Bigg(-\frac{1}{2\,r\,r2}\,\mathrm{Cos}[\lambda 2]\Bigg(\Bigg(2\left(r^2-2\,r\,r2+r2^2\right)$$

$$\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticE}\Big[\frac{\theta 2}{2},$$

$$-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\Bigg)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}\right)-$$

$$\Bigg(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticF}\Big[\frac{\theta 2}{2},$$

$$-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\Bigg)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}\right)\Bigg)-$$

$$\Bigg(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2+r2^2}}\Bigg(-r^2-r2^2+r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2+r2^2}}+$$

$$r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2+r2^2}}\Bigg)$$

$$\mathrm{Sin}[\lambda 2]\Bigg)\Big/\left(r\,r2\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}\right)\Bigg)+$$

$$\mathrm{Cos}[\lambda]\Bigg(\Bigg(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2+r2^2}}\Bigg(-r^2-r2^2+r^2$$

$$\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2+r2^2}}+r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2+r2^2}}\Bigg)$$

$$\mathrm{Cos}[\lambda 2]\Bigg)\Big/\left(r\,r2\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}\right)-$$

$$\frac{1}{2\,r\,r2}\Bigg(\Bigg(2\left(r^2-2\,r\,r2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticE}\Big[$$

$$\frac{\theta 2}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\Bigg)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}\right)-$$

$$\Bigg(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticF}\Big[\frac{\theta 2}{2},$$

$$-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\Bigg)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}\right)\Bigg)\,\mathrm{Sin}[\lambda 2]\Bigg)\Bigg)-$$

$$\frac{1}{r^2\left(r^2-r2^2\right)}\,72\,r2^5\Bigg(-\mathrm{Sin}[\lambda]\Bigg(-\frac{1}{2\,r\,r2}\,\mathrm{Cos}[\lambda 2]\Bigg(\Bigg(2\left(r^2-2\,r\,r2+r2^2\right)$$

$$\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticE}\Big[\frac{\theta 2}{2},$$

$$-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\Bigg)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}\right)-$$

$$\Bigg(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticF}\Big[\frac{\theta 2}{2},$$

$$-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\Bigg)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}\right)\Bigg)-$$

$$\Bigg(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2+r2^2}}\Bigg(-r^2-r2^2+r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2+r2^2}}+$$

$$r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2+r2^2}}\Bigg)$$

$$\mathrm{Sin}[\lambda 2]\Bigg)\Big/\left(r\,r2\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}\right)\Bigg)+$$

$$\mathrm{Cos}[\lambda]\Bigg(\Bigg(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2+r2^2}}\Bigg(-r^2-r2^2+r^2$$

$$\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2+r2^2}}+r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2+r2^2}}\Bigg)$$

$$\mathrm{Cos}[\lambda 2]\Bigg)\Big/\left(r\,r2\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}\right)-$$

$$\frac{1}{2\,r\,r2}\Bigg(\Bigg(2\left(r^2-2\,r\,r2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticE}\Big[$$

$$\frac{\theta 2}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\Bigg)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}\right)-$$

$$\Bigg(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticF}\Big[\frac{\theta 2}{2},$$

$$-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\Bigg)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}\right)\Bigg)\,\mathrm{Sin}[\lambda 2]\Bigg)\Bigg)-$$

$$\frac{1}{r^2-r2^2}\,36\,r2^3\Bigg(\mathrm{Sin}[\lambda]\Bigg(-\frac{1}{2\,r\,r2}\,\mathrm{Cos}[\lambda 2]\Bigg(\Bigg(2\left(r^2-2\,r\,r2+r2^2\right)$$

$$\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticE}\Big[\frac{\theta 2}{2},$$

$$-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\Bigg)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}\right)-$$

$$\Bigg(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticF}\Big[\frac{\theta 2}{2},$$

$$-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\Bigg)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}\right)\Bigg)+$$

$$\Bigg(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2+r2^2}}\;\Bigg(-r^2-r2^2+r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2+r2^2}}+$$

$$r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2+r2^2}}\Bigg)$$

$$\mathrm{Sin}[\lambda 2]\Bigg)\Big/\left(r\,r2\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}\right)\Bigg)+$$

$$\mathrm{Cos}[\lambda]\Bigg(\Bigg(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2+r2^2}}\;\Bigg(-r^2-r2^2+r^2$$

$$\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2+r2^2}}+r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2+r2^2}}\Bigg)$$

$$\mathrm{Cos}[\lambda 2]\Bigg)\Big/\left(r\,r2\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}\right)+$$

$$\frac{1}{2\,r\,r2}\Bigg(\Bigg(2\left(r^2-2\,r\,r2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticE}\Big[$$

$$\frac{\theta 2}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\Bigg)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}\right)-$$

$$\Bigg(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticF}\Big[\frac{\theta 2}{2},$$

$$-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\Bigg)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}\right)\Bigg)\,\mathrm{Sin}[\lambda 2]\Bigg)\Bigg)+$$

$$\frac{1}{r^2\left(r^2-r2^2\right)}\,72\,r2^5\Bigg(\mathrm{Sin}[\lambda]\Bigg(-\frac{1}{2\,r\,r2}\,\mathrm{Cos}[\lambda 2]\Bigg(\Bigg(2\left(r^2-2\,r\,r2+r2^2\right)$$

$$\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticE}\Big[\frac{\theta 2}{2},$$

$$-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\Bigg)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}\right)-$$

$$\Bigg(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticF}\Big[\frac{\theta 2}{2},$$

$$-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\Bigg)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}\right)\Bigg)+$$

$$\Bigg(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2+r2^2}}\;\Bigg(-r^2-r2^2+r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2+r2^2}}+$$

$$r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2+r2^2}}\Bigg)$$

$$\mathrm{Sin}[\lambda 2]\Bigg)\Big/\left(r\,r2\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}\right)\Bigg)+$$

$$\mathrm{Cos}[\lambda]\Bigg(\Bigg(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2+r2^2}}\;\Bigg(-r^2-r2^2+r^2$$

$$\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2+r2^2}}+r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2+r2^2}}\Bigg)$$

$$\mathrm{Cos}[\lambda 2]\Bigg)\Big/\left(r\,r2\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}\right)+$$

$$\frac{1}{2\,r\,r2}\Bigg(\Bigg(2\left(r^2-2\,r\,r2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticE}\Big[$$

$$\frac{\theta 2}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\Bigg)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}\right)-$$

$$\Bigg(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticF}\Big[\frac{\theta 2}{2},$$

$$-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\Bigg)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}\right)\Bigg)\;\mathrm{Sin}[\lambda 2]\Bigg)\Bigg)-$$

$$\frac{1}{r^2-r1^2}\,32\,r^2\,r1\Bigg(-\Bigg((1+2\,\mathrm{Cos}[2\,\lambda])\;\mathrm{Sin}[\lambda]\;\Bigg(-\frac{1}{2\,r\,r1}\;\mathrm{Cos}[3\,\lambda 2]$$

$$\Bigg(\Bigg(2\left(r^2-2\,r\,r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticE}\Big[\frac{\theta 2}{2},$$

$$-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Bigg)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\right)-$$

$$\Bigg(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticF}\Big[\frac{\theta 2}{2},$$

$$-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Bigg)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\right)\Bigg)-$$

$$\Bigg(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}\;\Bigg(-r^2-r1^2+r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}+$$

$$r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}\Bigg)\;(1+2\,\mathrm{Cos}[2\,\lambda 2])$$

$$\mathrm{Sin}[\lambda 2]\Bigg)\Big/\left(r\,r1\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\right)\Bigg)\Bigg)+$$

$$\mathrm{Cos}[\lambda]\;(-1+2\,\mathrm{Cos}[2\,\lambda])\;\Bigg(\Bigg(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}\;\Bigg(-r^2-r1^2+$$

$$r^2 \sqrt{\frac{r^2 + r1^2 - 2\, r\, r1 \operatorname{Cos}[\theta 2]}{r^2 + r1^2}} + r1^2 \sqrt{\frac{r^2 + r1^2 - 2\, r\, r1 \operatorname{Cos}[\theta 2]}{r^2 + r1^2}}\Bigg)$$

$$\operatorname{Cos}[\lambda 2]\ (-1 + 2 \operatorname{Cos}[2\, \lambda 2])\Bigg) \Big/ \left(r\, r1 \sqrt{r^2 + r1^2 - 2\, r\, r1 \operatorname{Cos}[\theta 2]}\right) -$$

$$\frac{1}{2\, r\, r1} \Bigg(\Bigg(2 \left(r^2 - 2\, r\, r1 + r1^2\right) \sqrt{\frac{r^2 + r1^2 - 2\, r\, r1 \operatorname{Cos}[\theta 2]}{r^2 - 2\, r\, r1 + r1^2}}\ \operatorname{EllipticE}\Big[\frac{\theta 2}{2},$$

$$-\frac{4\, r\, r1}{r^2 - 2\, r\, r1 + r1^2}\Big]\Bigg) \Big/ \left(\sqrt{r^2 + r1^2 - 2\, r\, r1 \operatorname{Cos}[\theta 2]}\right) - \Bigg(2 \left(r^2 + r1^2\right)$$

$$\sqrt{\frac{r^2 + r1^2 - 2\, r\, r1 \operatorname{Cos}[\theta 2]}{r^2 - 2\, r\, r1 + r1^2}}\ \operatorname{EllipticF}\Big[\frac{\theta 2}{2}, -\frac{4\, r\, r1}{r^2 - 2\, r\, r1 + r1^2}\Big]\Bigg) \Big/$$

$$\left(\sqrt{r^2 + r1^2 - 2\, r\, r1 \operatorname{Cos}[\theta 2]}\right)\Bigg) \operatorname{Sin}[3\, \lambda 2]\Bigg)\Bigg) +$$

$$\frac{1}{r^2 - r1^2}\ 12\, r1^3 \Bigg(-\Bigg((1 + 2 \operatorname{Cos}[2\, \lambda])\ \operatorname{Sin}[\lambda] \Bigg(-\frac{1}{2\, r\, r1} \operatorname{Cos}[3\, \lambda 2]$$

$$\Bigg(\Bigg(2 \left(r^2 - 2\, r\, r1 + r1^2\right) \sqrt{\frac{r^2 + r1^2 - 2\, r\, r1 \operatorname{Cos}[\theta 2]}{r^2 - 2\, r\, r1 + r1^2}}\ \operatorname{EllipticE}\Big[\frac{\theta 2}{2},$$

$$-\frac{4\, r\, r1}{r^2 - 2\, r\, r1 + r1^2}\Big]\Bigg) \Big/ \left(\sqrt{r^2 + r1^2 - 2\, r\, r1 \operatorname{Cos}[\theta 2]}\right) -$$

$$\Bigg(2 \left(r^2 + r1^2\right) \sqrt{\frac{r^2 + r1^2 - 2\, r\, r1 \operatorname{Cos}[\theta 2]}{r^2 - 2\, r\, r1 + r1^2}}\ \operatorname{EllipticF}\Big[\frac{\theta 2}{2},$$

$$-\frac{4\, r\, r1}{r^2 - 2\, r\, r1 + r1^2}\Big]\Bigg) \Big/ \left(\sqrt{r^2 + r1^2 - 2\, r\, r1 \operatorname{Cos}[\theta 2]}\right)\Bigg) -$$

$$\Bigg(\sqrt{\frac{r^2 + r1^2 - 2\, r\, r1 \operatorname{Cos}[\theta 2]}{r^2 + r1^2}} \Bigg(-r^2 - r1^2 + r^2 \sqrt{\frac{r^2 + r1^2 - 2\, r\, r1 \operatorname{Cos}[\theta 2]}{r^2 + r1^2}} +$$

$$r1^2 \sqrt{\frac{r^2 + r1^2 - 2\, r\, r1 \operatorname{Cos}[\theta 2]}{r^2 + r1^2}}\Bigg)\ (1 + 2 \operatorname{Cos}[2\, \lambda 2])$$

$$\operatorname{Sin}[\lambda 2]\Bigg) \Big/ \left(r\, r1 \sqrt{r^2 + r1^2 - 2\, r\, r1 \operatorname{Cos}[\theta 2]}\right)\Bigg)\Bigg) +$$

$$\operatorname{Cos}[\lambda]\ (-1 + 2 \operatorname{Cos}[2\, \lambda])\ \Bigg(\Bigg(\sqrt{\frac{r^2 + r1^2 - 2\, r\, r1 \operatorname{Cos}[\theta 2]}{r^2 + r1^2}} \Bigg(-r^2 - r1^2 +$$

$$r^2 \sqrt{\frac{r^2 + r1^2 - 2\, r\, r1 \operatorname{Cos}[\theta 2]}{r^2 + r1^2}} + r1^2 \sqrt{\frac{r^2 + r1^2 - 2\, r\, r1 \operatorname{Cos}[\theta 2]}{r^2 + r1^2}}\Bigg)$$

$$\operatorname{Cos}[\lambda 2]\ (-1 + 2 \operatorname{Cos}[2\, \lambda 2])\Bigg) \Big/ \left(r\, r1 \sqrt{r^2 + r1^2 - 2\, r\, r1 \operatorname{Cos}[\theta 2]}\right) -$$

$$\frac{1}{2\, r\, r1} \Bigg(\Bigg(2 \left(r^2 - 2\, r\, r1 + r1^2\right) \sqrt{\frac{r^2 + r1^2 - 2\, r\, r1 \operatorname{Cos}[\theta 2]}{r^2 - 2\, r\, r1 + r1^2}}\ \operatorname{EllipticE}\Big[\frac{\theta 2}{2},$$

$$-\frac{4\, r\, r1}{r^2 - 2\, r\, r1 + r1^2}\Big]\Bigg) \Big/ \left(\sqrt{r^2 + r1^2 - 2\, r\, r1 \operatorname{Cos}[\theta 2]}\right) - \Bigg(2 \left(r^2 + r1^2\right)$$

$$\sqrt{\frac{r^2 + r1^2 - 2\, r\, r1 \operatorname{Cos}[\theta 2]}{r^2 - 2\, r\, r1 + r1^2}}\ \operatorname{EllipticF}\Big[\frac{\theta 2}{2}, -\frac{4\, r\, r1}{r^2 - 2\, r\, r1 + r1^2}\Big]\Bigg) \Big/$$

$$\left(\sqrt{r^2 + r1^2 - 2\, r\, r1 \operatorname{Cos}[\theta 2]}\right)\Bigg) \operatorname{Sin}[3\, \lambda 2]\Bigg)\Bigg) +$$

$$\frac{1}{r^2 \left(r^2 - r1^2\right)}\ 8\, r1^5 \Bigg(-\Bigg((1 + 2 \operatorname{Cos}[2\, \lambda])\ \operatorname{Sin}[\lambda] \Bigg(-\frac{1}{2\, r\, r1} \operatorname{Cos}[3\, \lambda 2]$$

$$\Bigg(\Bigg(2 \left(r^2 - 2\, r\, r1 + r1^2\right) \sqrt{\frac{r^2 + r1^2 - 2\, r\, r1 \operatorname{Cos}[\theta 2]}{r^2 - 2\, r\, r1 + r1^2}}\ \operatorname{EllipticE}\Big[\frac{\theta 2}{2},$$

$$-\frac{4\, r\, r1}{r^2 - 2\, r\, r1 + r1^2}\Big]\Bigg) \Big/ \left(\sqrt{r^2 + r1^2 - 2\, r\, r1 \operatorname{Cos}[\theta 2]}\right) -$$

$$\Bigg(2 \left(r^2 + r1^2\right) \sqrt{\frac{r^2 + r1^2 - 2\, r\, r1 \operatorname{Cos}[\theta 2]}{r^2 - 2\, r\, r1 + r1^2}}\ \operatorname{EllipticF}\Big[\frac{\theta 2}{2},$$

$$-\frac{4\, r\, r1}{r^2 - 2\, r\, r1 + r1^2}\Big]\Bigg) \Big/ \left(\sqrt{r^2 + r1^2 - 2\, r\, r1 \operatorname{Cos}[\theta 2]}\right)\Bigg) -$$

$$\Bigg(\sqrt{\frac{r^2 + r1^2 - 2\, r\, r1 \operatorname{Cos}[\theta 2]}{r^2 + r1^2}} \Bigg(-r^2 - r1^2 + r^2 \sqrt{\frac{r^2 + r1^2 - 2\, r\, r1 \operatorname{Cos}[\theta 2]}{r^2 + r1^2}} +$$

$$r1^2 \sqrt{\frac{r^2 + r1^2 - 2\, r\, r1 \operatorname{Cos}[\theta 2]}{r^2 + r1^2}}\Bigg)\ (1 + 2 \operatorname{Cos}[2\, \lambda 2])$$

$$\operatorname{Sin}[\lambda 2]\Bigg) \Big/ \left(r\, r1 \sqrt{r^2 + r1^2 - 2\, r\, r1 \operatorname{Cos}[\theta 2]}\right)\Bigg)\Bigg) +$$

$$\operatorname{Cos}[\lambda]\ (-1 + 2 \operatorname{Cos}[2\, \lambda])\ \Bigg(\Bigg(\sqrt{\frac{r^2 + r1^2 - 2\, r\, r1 \operatorname{Cos}[\theta 2]}{r^2 + r1^2}} \Bigg(-r^2 - r1^2 +$$

$$r^2 \sqrt{\frac{r^2 + r1^2 - 2\, r\, r1 \operatorname{Cos}[\theta 2]}{r^2 + r1^2}} + r1^2 \sqrt{\frac{r^2 + r1^2 - 2\, r\, r1 \operatorname{Cos}[\theta 2]}{r^2 + r1^2}} \Bigg)$$

$$\operatorname{Cos}[\lambda 2]\ (-1 + 2 \operatorname{Cos}[2\, \lambda 2]) \Bigg) \Big/ \left(r\, r1 \sqrt{r^2 + r1^2 - 2\, r\, r1 \operatorname{Cos}[\theta 2]}\right) -$$

$$\frac{1}{2\, r\, r1} \Bigg(\Bigg(2 \left(r^2 - 2\, r\, r1 + r1^2\right) \sqrt{\frac{r^2 + r1^2 - 2\, r\, r1 \operatorname{Cos}[\theta 2]}{r^2 - 2\, r\, r1 + r1^2}}\ \operatorname{EllipticE}\Big[\frac{\theta 2}{2},$$

$$-\frac{4\, r\, r1}{r^2 - 2\, r\, r1 + r1^2}\Big] \Bigg) \Big/ \left(\sqrt{r^2 + r1^2 - 2\, r\, r1 \operatorname{Cos}[\theta 2]}\right) - \Bigg(2 \left(r^2 + r1^2\right)$$

$$\sqrt{\frac{r^2 + r1^2 - 2\, r\, r1 \operatorname{Cos}[\theta 2]}{r^2 - 2\, r\, r1 + r1^2}}\ \operatorname{EllipticF}\Big[\frac{\theta 2}{2}, -\frac{4\, r\, r1}{r^2 - 2\, r\, r1 + r1^2}\Big] \Bigg) \Big/$$

$$\left(\sqrt{r^2 + r1^2 - 2\, r\, r1 \operatorname{Cos}[\theta 2]}\right) \Bigg) \operatorname{Sin}[3\, \lambda 2] \Bigg) \Bigg) +$$

$$\frac{1}{r^2 - r1^2}\ 32\, r^2\, r1 \Bigg((1 + 2 \operatorname{Cos}[2\, \lambda])\ \operatorname{Sin}[\lambda] \Bigg(-\frac{1}{2\, r\, r1} \operatorname{Cos}[3\, \lambda 2]$$

$$\Bigg(\Bigg(2 \left(r^2 - 2\, r\, r1 + r1^2\right) \sqrt{\frac{r^2 + r1^2 - 2\, r\, r1 \operatorname{Cos}[\theta 2]}{r^2 - 2\, r\, r1 + r1^2}}\ \operatorname{EllipticE}\Big[$$

$$\frac{\theta 2}{2}, -\frac{4\, r\, r1}{r^2 - 2\, r\, r1 + r1^2}\Big] \Bigg) \Big/ \left(\sqrt{r^2 + r1^2 - 2\, r\, r1 \operatorname{Cos}[\theta 2]}\right) -$$

$$\Bigg(2 \left(r^2 + r1^2\right) \sqrt{\frac{r^2 + r1^2 - 2\, r\, r1 \operatorname{Cos}[\theta 2]}{r^2 - 2\, r\, r1 + r1^2}}\ \operatorname{EllipticF}\Big[\frac{\theta 2}{2},$$

$$-\frac{4\, r\, r1}{r^2 - 2\, r\, r1 + r1^2}\Big] \Bigg) \Big/ \left(\sqrt{r^2 + r1^2 - 2\, r\, r1 \operatorname{Cos}[\theta 2]}\right) \Bigg) +$$

$$\Bigg(\sqrt{\frac{r^2 + r1^2 - 2\, r\, r1 \operatorname{Cos}[\theta 2]}{r^2 + r1^2}} \Bigg(-r^2 - r1^2 + r^2 \sqrt{\frac{r^2 + r1^2 - 2\, r\, r1 \operatorname{Cos}[\theta 2]}{r^2 + r1^2}} +$$

$$r1^2 \sqrt{\frac{r^2 + r1^2 - 2\, r\, r1 \operatorname{Cos}[\theta 2]}{r^2 + r1^2}} \Bigg) (1 + 2 \operatorname{Cos}[2\, \lambda 2])$$

$$\operatorname{Sin}[\lambda 2] \Bigg) \Big/ \left(r\, r1 \sqrt{r^2 + r1^2 - 2\, r\, r1 \operatorname{Cos}[\theta 2]}\right) \Bigg) +$$

$$\operatorname{Cos}[\lambda]\ (-1 + 2 \operatorname{Cos}[2\, \lambda]) \Bigg(\Bigg(\sqrt{\frac{r^2 + r1^2 - 2\, r\, r1 \operatorname{Cos}[\theta 2]}{r^2 + r1^2}} \Bigg(-r^2 - r1^2 +$$

$$r^2 \sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}} + r1^2 \sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}\Bigg)$$

$$\mathrm{Cos}[\lambda 2]\,(-1+2\,\mathrm{Cos}[2\,\lambda 2])\Bigg) \Big/ \left(r\,r1\,\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\right) +$$

$$\frac{1}{2\,r\,r1}\Bigg(\Bigg(2\left(r^2-2\,r\,r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticE}\Big[\frac{\theta 2}{2},$$

$$-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Bigg) \Big/ \left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\right) - \Bigg(2\left(r^2+r1^2\right)$$

$$\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticF}\Big[\frac{\theta 2}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Bigg) \Big/$$

$$\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\right)\Bigg)\,\mathrm{Sin}[3\,\lambda 2]\Bigg)\Bigg) -$$

$$\frac{1}{r^2-r1^2}\,12\,r1^3\Bigg((1+2\,\mathrm{Cos}[2\,\lambda])\,\mathrm{Sin}[\lambda]\Bigg(-\frac{1}{2\,r\,r1}\,\mathrm{Cos}[3\,\lambda 2]$$

$$\Bigg(\Bigg(2\left(r^2-2\,r\,r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticE}\Big[$$

$$\frac{\theta 2}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Bigg) \Big/ \left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\right) -$$

$$\Bigg(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticF}\Big[\frac{\theta 2}{2},$$

$$-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Bigg) \Big/ \left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\right)\Bigg) +$$

$$\Bigg(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}\Bigg(-r^2-r1^2+r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}} +$$

$$r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}\Bigg)\,(1+2\,\mathrm{Cos}[2\,\lambda 2])$$

$$\mathrm{Sin}[\lambda 2]\Bigg) \Big/ \left(r\,r1\,\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\right)\Bigg) +$$

$$\mathrm{Cos}[\lambda]\,(-1+2\,\mathrm{Cos}[2\,\lambda])\Bigg(\Bigg(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}\Bigg(-r^2-r1^2+$$

$$r^2 \sqrt{\frac{r^2 + r1^2 - 2\, r\, r1 \operatorname{Cos}[\theta 2]}{r^2 + r1^2}} + r1^2 \sqrt{\frac{r^2 + r1^2 - 2\, r\, r1 \operatorname{Cos}[\theta 2]}{r^2 + r1^2}} \Bigg)$$

$$\operatorname{Cos}[\lambda 2]\ (-1 + 2 \operatorname{Cos}[2\, \lambda 2])\Bigg) \Big/ \left(r\, r1 \sqrt{r^2 + r1^2 - 2\, r\, r1 \operatorname{Cos}[\theta 2]}\right) +$$

$$\frac{1}{2\, r\, r1} \Bigg(\Bigg(2 \left(r^2 - 2\, r\, r1 + r1^2\right) \sqrt{\frac{r^2 + r1^2 - 2\, r\, r1 \operatorname{Cos}[\theta 2]}{r^2 - 2\, r\, r1 + r1^2}}\ \operatorname{EllipticE}\Big[\frac{\theta 2}{2},$$

$$-\frac{4\, r\, r1}{r^2 - 2\, r\, r1 + r1^2}\Big]\Bigg) \Big/ \left(\sqrt{r^2 + r1^2 - 2\, r\, r1 \operatorname{Cos}[\theta 2]}\right) - \Bigg(2 \left(r^2 + r1^2\right)$$

$$\sqrt{\frac{r^2 + r1^2 - 2\, r\, r1 \operatorname{Cos}[\theta 2]}{r^2 - 2\, r\, r1 + r1^2}}\ \operatorname{EllipticF}\Big[\frac{\theta 2}{2}, -\frac{4\, r\, r1}{r^2 - 2\, r\, r1 + r1^2}\Big]\Bigg) \Big/$$

$$\left(\sqrt{r^2 + r1^2 - 2\, r\, r1 \operatorname{Cos}[\theta 2]}\right)\Bigg) \operatorname{Sin}[3\, \lambda 2]\Bigg)\Bigg) -$$

$$\frac{1}{r^2 \left(r^2 - r1^2\right)}\ 8\, r1^5 \Bigg((1 + 2 \operatorname{Cos}[2\, \lambda])\ \operatorname{Sin}[\lambda] \Bigg(-\frac{1}{2\, r\, r1} \operatorname{Cos}[3\, \lambda 2]$$

$$\Bigg(\Bigg(2 \left(r^2 - 2\, r\, r1 + r1^2\right) \sqrt{\frac{r^2 + r1^2 - 2\, r\, r1 \operatorname{Cos}[\theta 2]}{r^2 - 2\, r\, r1 + r1^2}}\ \operatorname{EllipticE}\Big[$$

$$\frac{\theta 2}{2}, -\frac{4\, r\, r1}{r^2 - 2\, r\, r1 + r1^2}\Big]\Bigg) \Big/ \left(\sqrt{r^2 + r1^2 - 2\, r\, r1 \operatorname{Cos}[\theta 2]}\right) -$$

$$\Bigg(2 \left(r^2 + r1^2\right) \sqrt{\frac{r^2 + r1^2 - 2\, r\, r1 \operatorname{Cos}[\theta 2]}{r^2 - 2\, r\, r1 + r1^2}}\ \operatorname{EllipticF}\Big[\frac{\theta 2}{2},$$

$$-\frac{4\, r\, r1}{r^2 - 2\, r\, r1 + r1^2}\Big]\Bigg) \Big/ \left(\sqrt{r^2 + r1^2 - 2\, r\, r1 \operatorname{Cos}[\theta 2]}\right)\Bigg) +$$

$$\Bigg(\sqrt{\frac{r^2 + r1^2 - 2\, r\, r1 \operatorname{Cos}[\theta 2]}{r^2 + r1^2}} \Bigg(-r^2 - r1^2 + r^2 \sqrt{\frac{r^2 + r1^2 - 2\, r\, r1 \operatorname{Cos}[\theta 2]}{r^2 + r1^2}} +$$

$$r1^2 \sqrt{\frac{r^2 + r1^2 - 2\, r\, r1 \operatorname{Cos}[\theta 2]}{r^2 + r1^2}}\Bigg)\ (1 + 2 \operatorname{Cos}[2\, \lambda 2])$$

$$\operatorname{Sin}[\lambda 2]\Bigg) \Big/ \left(r\, r1 \sqrt{r^2 + r1^2 - 2\, r\, r1 \operatorname{Cos}[\theta 2]}\right)\Bigg) +$$

$$\operatorname{Cos}[\lambda]\ (-1 + 2 \operatorname{Cos}[2\, \lambda])\ \Bigg(\Bigg(\sqrt{\frac{r^2 + r1^2 - 2\, r\, r1 \operatorname{Cos}[\theta 2]}{r^2 + r1^2}} \Bigg(-r^2 - r1^2 +$$

$$r^2 \sqrt{\frac{r^2 + r1^2 - 2\, r\, r1 \operatorname{Cos}[\theta 2]}{r^2 + r1^2}} + r1^2 \sqrt{\frac{r^2 + r1^2 - 2\, r\, r1 \operatorname{Cos}[\theta 2]}{r^2 + r1^2}}\Bigg)$$

$$\operatorname{Cos}[\lambda 2]\ (-1 + 2 \operatorname{Cos}[2\, \lambda 2])\Bigg) \Big/ \left(r\, r1 \sqrt{r^2 + r1^2 - 2\, r\, r1 \operatorname{Cos}[\theta 2]}\right) +$$

$$\frac{1}{2\, r\, r1} \Bigg(\Bigg(2 \left(r^2 - 2\, r\, r1 + r1^2\right) \sqrt{\frac{r^2 + r1^2 - 2\, r\, r1 \operatorname{Cos}[\theta 2]}{r^2 - 2\, r\, r1 + r1^2}}\ \operatorname{EllipticE}\Big[\frac{\theta 2}{2},$$

$$-\frac{4\, r\, r1}{r^2 - 2\, r\, r1 + r1^2}\Big]\Bigg) \Big/ \left(\sqrt{r^2 + r1^2 - 2\, r\, r1 \operatorname{Cos}[\theta 2]}\right) - \Bigg(2 \left(r^2 + r1^2\right)$$

$$\sqrt{\frac{r^2 + r1^2 - 2\, r\, r1 \operatorname{Cos}[\theta 2]}{r^2 - 2\, r\, r1 + r1^2}}\ \operatorname{EllipticF}\Big[\frac{\theta 2}{2}, -\frac{4\, r\, r1}{r^2 - 2\, r\, r1 + r1^2}\Big]\Bigg) \Big/$$

$$\left(\sqrt{r^2 + r1^2 - 2\, r\, r1 \operatorname{Cos}[\theta 2]}\right)\Bigg) \operatorname{Sin}[3\, \lambda 2]\Bigg)\Bigg) +$$

$$\frac{1}{r^2 - r2^2}\ 32\, r^2\, r2 \Bigg(-\Bigg((1 + 2 \operatorname{Cos}[2\, \lambda])\ \operatorname{Sin}[\lambda] \Bigg(-\frac{1}{2\, r\, r2} \operatorname{Cos}[3\, \lambda 2]$$

$$\Bigg(\Bigg(2 \left(r^2 - 2\, r\, r2 + r2^2\right) \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2 \operatorname{Cos}[\theta 2]}{r^2 - 2\, r\, r2 + r2^2}}\ \operatorname{EllipticE}\Big[\frac{\theta 2}{2},$$

$$-\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\Big]\Bigg) \Big/ \left(\sqrt{r^2 + r2^2 - 2\, r\, r2 \operatorname{Cos}[\theta 2]}\right) -$$

$$\Bigg(2 \left(r^2 + r2^2\right) \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2 \operatorname{Cos}[\theta 2]}{r^2 - 2\, r\, r2 + r2^2}}\ \operatorname{EllipticF}\Big[\frac{\theta 2}{2},$$

$$-\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\Big]\Bigg) \Big/ \left(\sqrt{r^2 + r2^2 - 2\, r\, r2 \operatorname{Cos}[\theta 2]}\right)\Bigg) -$$

$$\Bigg(\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2 \operatorname{Cos}[\theta 2]}{r^2 + r2^2}} \Bigg(-r^2 - r2^2 + r^2 \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2 \operatorname{Cos}[\theta 2]}{r^2 + r2^2}} +$$

$$r2^2 \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2 \operatorname{Cos}[\theta 2]}{r^2 + r2^2}}\Bigg)\ (1 + 2 \operatorname{Cos}[2\, \lambda 2])$$

$$\operatorname{Sin}[\lambda 2]\Bigg) \Big/ \left(r\, r2 \sqrt{r^2 + r2^2 - 2\, r\, r2 \operatorname{Cos}[\theta 2]}\right)\Bigg)\Bigg) +$$

$$\operatorname{Cos}[\lambda]\ (-1 + 2 \operatorname{Cos}[2\, \lambda])\ \Bigg(\Bigg(\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2 \operatorname{Cos}[\theta 2]}{r^2 + r2^2}} \Bigg(-r^2 - r2^2 +$$

$$r^2 \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2 \,\mathrm{Cos}[\theta 2]}{r^2 + r2^2}} + r2^2 \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2 \,\mathrm{Cos}[\theta 2]}{r^2 + r2^2}}\Bigg)$$

$$\mathrm{Cos}[\lambda 2]\ (-1 + 2\,\mathrm{Cos}[2\,\lambda 2])\Bigg) \Big/ \left(r\, r2 \sqrt{r^2 + r2^2 - 2\, r\, r2 \,\mathrm{Cos}[\theta 2]}\right) -$$

$$\frac{1}{2\, r\, r2}\Bigg(\Bigg(2\left(r^2 - 2\, r\, r2 + r2^2\right) \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2 \,\mathrm{Cos}[\theta 2]}{r^2 - 2\, r\, r2 + r2^2}}\ \mathrm{EllipticE}\Big[\frac{\theta 2}{2},$$

$$-\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\Big]\Bigg) \Big/ \left(\sqrt{r^2 + r2^2 - 2\, r\, r2 \,\mathrm{Cos}[\theta 2]}\right) - \Bigg(2\left(r^2 + r2^2\right)$$

$$\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2 \,\mathrm{Cos}[\theta 2]}{r^2 - 2\, r\, r2 + r2^2}}\ \mathrm{EllipticF}\Big[\frac{\theta 2}{2}, -\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\Big]\Bigg) \Big/$$

$$\left(\sqrt{r^2 + r2^2 - 2\, r\, r2 \,\mathrm{Cos}[\theta 2]}\right)\Bigg)\ \mathrm{Sin}[3\,\lambda 2]\Bigg)\Bigg) -$$

$$\frac{1}{r^2 - r2^2}\ 12\, r2^3 \Bigg(-\Bigg((1 + 2\,\mathrm{Cos}[2\,\lambda])\ \mathrm{Sin}[\lambda]\ \Bigg(-\frac{1}{2\, r\, r2}\ \mathrm{Cos}[3\,\lambda 2]$$

$$\Bigg(\Bigg(2\left(r^2 - 2\, r\, r2 + r2^2\right) \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2 \,\mathrm{Cos}[\theta 2]}{r^2 - 2\, r\, r2 + r2^2}}\ \mathrm{EllipticE}\Big[\frac{\theta 2}{2},$$

$$-\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\Big]\Bigg) \Big/ \left(\sqrt{r^2 + r2^2 - 2\, r\, r2 \,\mathrm{Cos}[\theta 2]}\right) -$$

$$\Bigg(2\left(r^2 + r2^2\right) \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2 \,\mathrm{Cos}[\theta 2]}{r^2 - 2\, r\, r2 + r2^2}}\ \mathrm{EllipticF}\Big[\frac{\theta 2}{2},$$

$$-\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\Big]\Bigg) \Big/ \left(\sqrt{r^2 + r2^2 - 2\, r\, r2 \,\mathrm{Cos}[\theta 2]}\right)\Bigg) -$$

$$\Bigg(\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2 \,\mathrm{Cos}[\theta 2]}{r^2 + r2^2}}\ \Bigg(-r^2 - r2^2 + r^2 \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2 \,\mathrm{Cos}[\theta 2]}{r^2 + r2^2}} +$$

$$r2^2 \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2 \,\mathrm{Cos}[\theta 2]}{r^2 + r2^2}}\Bigg)\ (1 + 2\,\mathrm{Cos}[2\,\lambda 2])$$

$$\mathrm{Sin}[\lambda 2]\Bigg) \Big/ \left(r\, r2 \sqrt{r^2 + r2^2 - 2\, r\, r2 \,\mathrm{Cos}[\theta 2]}\right)\Bigg)\Bigg) +$$

$$\mathrm{Cos}[\lambda]\ (-1 + 2\,\mathrm{Cos}[2\,\lambda])\ \Bigg(\Bigg(\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2 \,\mathrm{Cos}[\theta 2]}{r^2 + r2^2}}\ \Bigg(-r^2 - r2^2 +$$

$$r^2 \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}{r^2 + r2^2}} + r2^2 \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}{r^2 + r2^2}}\Bigg)$$

$$\mathrm{Cos}[\lambda 2]\ (-1 + 2\, \mathrm{Cos}[2\, \lambda 2])\Bigg) \Big/ \left(r\, r2 \sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}\right) -$$

$$\frac{1}{2\, r\, r2} \Bigg(\Bigg(2\, \left(r^2 - 2\, r\, r2 + r2^2\right) \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}{r^2 - 2\, r\, r2 + r2^2}}\ \mathrm{EllipticE}\Big[\frac{\theta 2}{2},$$

$$-\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\Big]\Bigg) \Big/ \left(\sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}\right) - \Bigg(2\, \left(r^2 + r2^2\right)$$

$$\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}{r^2 - 2\, r\, r2 + r2^2}}\ \mathrm{EllipticF}\Big[\frac{\theta 2}{2}, -\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\Big]\Bigg) \Big/$$

$$\left(\sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}\right)\Bigg)\ \mathrm{Sin}[3\, \lambda 2]\Bigg)\Bigg) -$$

$$\frac{1}{r^2\, \left(r^2 - r2^2\right)}\ 8\, r2^5 \Bigg(-\Bigg((1 + 2\, \mathrm{Cos}[2\, \lambda])\ \mathrm{Sin}[\lambda]\ \Bigg(-\frac{1}{2\, r\, r2}\ \mathrm{Cos}[3\, \lambda 2]$$

$$\Bigg(\Bigg(2\, \left(r^2 - 2\, r\, r2 + r2^2\right) \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}{r^2 - 2\, r\, r2 + r2^2}}\ \mathrm{EllipticE}\Big[\frac{\theta 2}{2},$$

$$-\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\Big]\Bigg) \Big/ \left(\sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}\right) -$$

$$\Bigg(2\, \left(r^2 + r2^2\right) \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}{r^2 - 2\, r\, r2 + r2^2}}\ \mathrm{EllipticF}\Big[\frac{\theta 2}{2},$$

$$-\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\Big]\Bigg) \Big/ \left(\sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}\right)\Bigg) -$$

$$\Bigg(\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}{r^2 + r2^2}}\ \Bigg(-r^2 - r2^2 + r^2 \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}{r^2 + r2^2}} +$$

$$r2^2 \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}{r^2 + r2^2}}\Bigg)\ (1 + 2\, \mathrm{Cos}[2\, \lambda 2])$$

$$\mathrm{Sin}[\lambda 2]\Bigg) \Big/ \left(r\, r2 \sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}\right)\Bigg)\Bigg) +$$

$$\mathrm{Cos}[\lambda]\ (-1 + 2\, \mathrm{Cos}[2\, \lambda])\ \Bigg(\Bigg(\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}{r^2 + r2^2}}\ \Bigg(-r^2 - r2^2 +$$

$$r^2 \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}{r^2 + r2^2}} + r2^2 \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}{r^2 + r2^2}}\Bigg)$$

$$\mathrm{Cos}[\lambda 2]\ (-1 + 2\, \mathrm{Cos}[2\, \lambda 2])\Bigg) \Big/ \left(r\, r2 \sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}\right) -$$

$$\frac{1}{2\, r\, r2} \Bigg(\Bigg(2 \left(r^2 - 2\, r\, r2 + r2^2\right) \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}{r^2 - 2\, r\, r2 + r2^2}}\ \mathrm{EllipticE}\Big[\frac{\theta 2}{2},$$

$$-\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\Big]\Bigg) \Big/ \left(\sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}\right) - \Bigg(2 \left(r^2 + r2^2\right)$$

$$\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}{r^2 - 2\, r\, r2 + r2^2}}\ \mathrm{EllipticF}\Big[\frac{\theta 2}{2}, -\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\Big]\Bigg) \Big/$$

$$\left(\sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}\right)\Bigg)\ \mathrm{Sin}[3\, \lambda 2]\Bigg)\Bigg) -$$

$$\frac{1}{r^2 - r2^2}\ 32\, r^2\, r2 \Bigg((1 + 2\, \mathrm{Cos}[2\, \lambda])\ \mathrm{Sin}[\lambda] \Bigg(-\frac{1}{2\, r\, r2}\ \mathrm{Cos}[3\, \lambda 2]$$

$$\Bigg(\Bigg(2 \left(r^2 - 2\, r\, r2 + r2^2\right) \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}{r^2 - 2\, r\, r2 + r2^2}}\ \mathrm{EllipticE}\Big[$$

$$\frac{\theta 2}{2}, -\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\Big]\Bigg) \Big/ \left(\sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}\right) -$$

$$\Bigg(2 \left(r^2 + r2^2\right) \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}{r^2 - 2\, r\, r2 + r2^2}}\ \mathrm{EllipticF}\Big[\frac{\theta 2}{2},$$

$$-\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\Big]\Bigg) \Big/ \left(\sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}\right)\Bigg) +$$

$$\Bigg(\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}{r^2 + r2^2}} \Bigg(-r^2 - r2^2 + r^2 \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}{r^2 + r2^2}} +$$

$$r2^2 \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}{r^2 + r2^2}}\Bigg)\ (1 + 2\, \mathrm{Cos}[2\, \lambda 2])$$

$$\mathrm{Sin}[\lambda 2]\Bigg) \Big/ \left(r\, r2 \sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}\right)\Bigg) +$$

$$\mathrm{Cos}[\lambda]\ (-1 + 2\, \mathrm{Cos}[2\, \lambda])\ \Bigg(\Bigg(\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}{r^2 + r2^2}} \Bigg(-r^2 - r2^2 +$$

$$r^2 \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}{r^2 + r2^2}} + r2^2 \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}{r^2 + r2^2}}\Bigg)$$

$$\mathrm{Cos}[\lambda 2]\ (-1 + 2\, \mathrm{Cos}[2\, \lambda 2])\Bigg) \Big/ \left(r\, r2 \sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}\right) +$$

$$\frac{1}{2\, r\, r2} \Bigg(\Bigg(2 \left(r^2 - 2\, r\, r2 + r2^2\right) \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}{r^2 - 2\, r\, r2 + r2^2}}\ \mathrm{EllipticE}\Big[\frac{\theta 2}{2},$$

$$-\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\Big]\Bigg) \Big/ \left(\sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}\right) - \Bigg(2 \left(r^2 + r2^2\right)$$

$$\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}{r^2 - 2\, r\, r2 + r2^2}}\ \mathrm{EllipticF}\Big[\frac{\theta 2}{2}, -\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\Big]\Bigg) \Big/$$

$$\left(\sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}\right)\Bigg)\ \mathrm{Sin}[3\, \lambda 2]\Bigg)\Bigg) +$$

$$\frac{1}{r^2 - r2^2}\ 12\, r2^3 \Bigg((1 + 2\, \mathrm{Cos}[2\, \lambda])\ \mathrm{Sin}[\lambda] \Bigg(-\frac{1}{2\, r\, r2}\ \mathrm{Cos}[3\, \lambda 2]$$

$$\Bigg(\Bigg(2 \left(r^2 - 2\, r\, r2 + r2^2\right) \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}{r^2 - 2\, r\, r2 + r2^2}}\ \mathrm{EllipticE}\Big[$$

$$\frac{\theta 2}{2}, -\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\Big]\Bigg) \Big/ \left(\sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}\right) -$$

$$\Bigg(2 \left(r^2 + r2^2\right) \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}{r^2 - 2\, r\, r2 + r2^2}}\ \mathrm{EllipticF}\Big[\frac{\theta 2}{2},$$

$$-\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\Big]\Bigg) \Big/ \left(\sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}\right)\Bigg) +$$

$$\Bigg(\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}{r^2 + r2^2}} \Bigg(-r^2 - r2^2 + r^2 \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}{r^2 + r2^2}} +$$

$$r2^2 \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}{r^2 + r2^2}}\Bigg)\ (1 + 2\, \mathrm{Cos}[2\, \lambda 2])$$

$$\mathrm{Sin}[\lambda 2]\Bigg) \Big/ \left(r\, r2 \sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}\right)\Bigg) +$$

$$\mathrm{Cos}[\lambda]\ (-1 + 2\, \mathrm{Cos}[2\, \lambda])\ \Bigg(\Bigg(\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}{r^2 + r2^2}} \Bigg(-r^2 - r2^2 +$$

$$r^2 \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}{r^2 + r2^2}} + r2^2 \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}{r^2 + r2^2}}\Bigg)$$

$$\mathrm{Cos}[\lambda 2]\ (-1 + 2\, \mathrm{Cos}[2\, \lambda 2])\Bigg) \Big/ \left(r\, r2 \sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}\right) +$$

$$\frac{1}{2\, r\, r2} \Bigg(\Bigg(2 \left(r^2 - 2\, r\, r2 + r2^2\right) \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}{r^2 - 2\, r\, r2 + r2^2}}\ \mathrm{EllipticE}\Big[\frac{\theta 2}{2},$$

$$-\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\Big]\Bigg) \Big/ \left(\sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}\right) - \Bigg(2 \left(r^2 + r2^2\right)$$

$$\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}{r^2 - 2\, r\, r2 + r2^2}}\ \mathrm{EllipticF}\Big[\frac{\theta 2}{2}, -\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\Big]\Bigg) \Big/$$

$$\left(\sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}\right)\Bigg)\ \mathrm{Sin}[3\, \lambda 2]\Bigg)\Bigg) +$$

$$\frac{1}{r^2 \left(r^2 - r2^2\right)}\ 8\, r2^5 \Bigg((1 + 2\, \mathrm{Cos}[2\, \lambda])\ \mathrm{Sin}[\lambda] \Bigg(-\frac{1}{2\, r\, r2}\ \mathrm{Cos}[3\, \lambda 2]$$

$$\Bigg(\Bigg(2 \left(r^2 - 2\, r\, r2 + r2^2\right) \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}{r^2 - 2\, r\, r2 + r2^2}}\ \mathrm{EllipticE}\Big[$$

$$\frac{\theta 2}{2}, -\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\Big]\Bigg) \Big/ \left(\sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}\right) -$$

$$\Bigg(2 \left(r^2 + r2^2\right) \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}{r^2 - 2\, r\, r2 + r2^2}}\ \mathrm{EllipticF}\Big[\frac{\theta 2}{2},$$

$$-\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\Big]\Bigg) \Big/ \left(\sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}\right)\Bigg) +$$

$$\Bigg(\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}{r^2 + r2^2}} \Bigg(-r^2 - r2^2 + r^2 \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}{r^2 + r2^2}} +$$

$$r2^2 \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}{r^2 + r2^2}}\Bigg)\ (1 + 2\, \mathrm{Cos}[2\, \lambda 2])$$

$$\mathrm{Sin}[\lambda 2]\Bigg) \Big/ \left(r\, r2 \sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}\right)\Bigg) +$$

$$\mathrm{Cos}[\lambda]\ (-1 + 2\, \mathrm{Cos}[2\, \lambda])\ \Bigg(\Bigg(\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}{r^2 + r2^2}} \Bigg(-r^2 - r2^2 +$$

$$r^2 \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}{r^2 + r2^2}} + r2^2 \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}{r^2 + r2^2}}\Bigg)$$

$$\mathrm{Cos}[\lambda 2]\ (-1 + 2\, \mathrm{Cos}[2\, \lambda 2])\Bigg) \Big/ \left(r\, r2 \sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}\right) +$$

$$\frac{1}{2\, r\, r2} \Bigg(\Bigg(2 \left(r^2 - 2\, r\, r2 + r2^2\right) \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}{r^2 - 2\, r\, r2 + r2^2}}\ \mathrm{EllipticE}\Big[\frac{\theta 2}{2},$$

$$-\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\Big]\Bigg) \Big/ \left(\sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}\right) - \Bigg(2 \left(r^2 + r2^2\right)$$

$$\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}{r^2 - 2\, r\, r2 + r2^2}}\ \mathrm{EllipticF}\Big[\frac{\theta 2}{2}, -\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\Big]\Bigg) \Big/$$

$$\left(\sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}\right)\Bigg)\ \mathrm{Sin}[3\, \lambda 2]\Bigg)\Bigg) +$$

$$\sqrt{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 2]}\ \Big(\Big(2\, \Big(-15\, r^2\, r1^3\, \mathrm{Cos}[\theta 2 + 3\, \lambda - 3\, \lambda 1] -$$

$$5\, r1^5\, \mathrm{Cos}[\theta 2 + 3\, \lambda - 3\, \lambda 1] + 9\, r^2\, r1^3\, \mathrm{Cos}[\theta 2 + \lambda - \lambda 1] -$$
$$45\, r1^5\, \mathrm{Cos}[\theta 2 + \lambda - \lambda 1] - 9\, r^2\, r1^3\, \mathrm{Cos}[\theta 2 - \lambda + \lambda 1] +$$
$$45\, r1^5\, \mathrm{Cos}[\theta 2 - \lambda + \lambda 1] + 15\, r^2\, r1^3\, \mathrm{Cos}[\theta 2 - 3\, \lambda + 3\, \lambda 1] +$$
$$5\, r1^5\, \mathrm{Cos}[\theta 2 - 3\, \lambda + 3\, \lambda 1] + 15\, r^2\, r1^3\, \mathrm{Cos}[\theta 2 + 3\, \lambda - 3\, \lambda 2] +$$
$$5\, r1^5\, \mathrm{Cos}[\theta 2 + 3\, \lambda - 3\, \lambda 2] - 9\, r^2\, r1^3\, \mathrm{Cos}[\theta 2 + \lambda - \lambda 2] +$$
$$45\, r1^5\, \mathrm{Cos}[\theta 2 + \lambda - \lambda 2] + 9\, r^2\, r1^3\, \mathrm{Cos}[\theta 2 - \lambda + \lambda 2] - 45\, r1^5\, \mathrm{Cos}[\theta 2 - \lambda + \lambda 2] -$$
$$15\, r^2\, r1^3\, \mathrm{Cos}[\theta 2 - 3\, \lambda + 3\, \lambda 2] - 5\, r1^5\, \mathrm{Cos}[\theta 2 - 3\, \lambda + 3\, \lambda 2]\Big)\Big) \Big/$$
$$\left(r^2 \left(r^2 - r1^2\right) \left(-r^2 - r1^2 + 2\, r\, r1\, \mathrm{Cos}[\theta 2]\right)\right) +$$

$$\frac{1}{r^2 \left(-r^2 - r1^2 + 2\, r\, r1\, \mathrm{Cos}[\theta 2]\right)^2}$$

$$2\, \Big(-r^2\, r1^3\, \mathrm{Cos}[\theta 2 + 3\, \lambda - 3\, \lambda 1] + r1^5\, \mathrm{Cos}[\theta 2 + 3\, \lambda - 3\, \lambda 1] -$$
$$9\, r^2\, r1^3\, \mathrm{Cos}[\theta 2 + \lambda - \lambda 1] + 9\, r1^5\, \mathrm{Cos}[\theta 2 + \lambda - \lambda 1] +$$
$$9\, r^2\, r1^3\, \mathrm{Cos}[\theta 2 - \lambda + \lambda 1] - 9\, r1^5\, \mathrm{Cos}[\theta 2 - \lambda + \lambda 1] +$$
$$r^2\, r1^3\, \mathrm{Cos}[\theta 2 - 3\, \lambda + 3\, \lambda 1] - r1^5\, \mathrm{Cos}[\theta 2 - 3\, \lambda + 3\, \lambda 1] +$$
$$r^2\, r1^3\, \mathrm{Cos}[\theta 2 + 3\, \lambda - 3\, \lambda 2] - r1^5\, \mathrm{Cos}[\theta 2 + 3\, \lambda - 3\, \lambda 2] +$$
$$9\, r^2\, r1^3\, \mathrm{Cos}[\theta 2 + \lambda - \lambda 2] - 9\, r1^5\, \mathrm{Cos}[\theta 2 + \lambda - \lambda 2] -$$
$$9\, r^2\, r1^3\, \mathrm{Cos}[\theta 2 - \lambda + \lambda 2] + 9\, r1^5\, \mathrm{Cos}[\theta 2 - \lambda + \lambda 2] -$$
$$r^2\, r1^3\, \mathrm{Cos}[\theta 2 - 3\, \lambda + 3\, \lambda 2] + r1^5\, \mathrm{Cos}[\theta 2 - 3\, \lambda + 3\, \lambda 2]\Big) -$$

$$\frac{1}{r^2 - r1^2}\ 32\, \mathrm{Csc}[\theta 2]\ (-2\, r1\, \mathrm{Sin}[3\, \lambda - 3\, \lambda 1] - r\, \mathrm{Sin}[\theta 2 + 3\, \lambda - 3\, \lambda 1] +$$
$$r\, \mathrm{Sin}[\theta 2 - 3\, \lambda + 3\, \lambda 1] + 2\, r1\, \mathrm{Sin}[3\, \lambda - 3\, \lambda 2] +$$
$$r\, \mathrm{Sin}[\theta 2 + 3\, \lambda - 3\, \lambda 2] - r\, \mathrm{Sin}[\theta 2 - 3\, \lambda + 3\, \lambda 2])\Bigg) +$$

```
Sqrt[r^2 + r2^2 - 2 r r2 Cos[θ2]] (-((2 (-15 r^2 r2^3 Cos[θ2 + 3 λ - 3 λ1] -
      5 r2^5 Cos[θ2 + 3 λ - 3 λ1] + 9 r^2 r2^3 Cos[θ2 + λ - λ1] -
      45 r2^5 Cos[θ2 + λ - λ1] - 9 r^2 r2^3 Cos[θ2 - λ + λ1] +
      45 r2^5 Cos[θ2 - λ + λ1] + 15 r^2 r2^3 Cos[θ2 - 3 λ + 3 λ1] +
      5 r2^5 Cos[θ2 - 3 λ + 3 λ1] + 15 r^2 r2^3 Cos[θ2 + 3 λ - 3 λ2] +
      5 r2^5 Cos[θ2 + 3 λ - 3 λ2] - 9 r^2 r2^3 Cos[θ2 + λ - λ2] + 45 r2^5
       Cos[θ2 + λ - λ2] + 9 r^2 r2^3 Cos[θ2 - λ + λ2] - 45 r2^5 Cos[θ2 - λ + λ2] -
      15 r^2 r2^3 Cos[θ2 - 3 λ + 3 λ2] - 5 r2^5 Cos[θ2 - 3 λ + 3 λ2]))/
    (r^2 (r^2 - r2^2) (-r^2 - r2^2 + 2 r r2 Cos[θ2]))) -
  1/(r^2 (-r^2 - r2^2 + 2 r r2 Cos[θ2])^2)
   2 (-r^2 r2^3 Cos[θ2 + 3 λ - 3 λ1] + r2^5 Cos[θ2 + 3 λ - 3 λ1] -
      9 r^2 r2^3 Cos[θ2 + λ - λ1] + 9 r2^5 Cos[θ2 + λ - λ1] +
      9 r^2 r2^3 Cos[θ2 - λ + λ1] - 9 r2^5 Cos[θ2 - λ + λ1] +
      r^2 r2^3 Cos[θ2 - 3 λ + 3 λ1] - r2^5 Cos[θ2 - 3 λ + 3 λ1] +
      r^2 r2^3 Cos[θ2 + 3 λ - 3 λ2] - r2^5 Cos[θ2 + 3 λ - 3 λ2] +
      9 r^2 r2^3 Cos[θ2 + λ - λ2] - 9 r2^5 Cos[θ2 + λ - λ2] -
      9 r^2 r2^3 Cos[θ2 - λ + λ2] + 9 r2^5 Cos[θ2 - λ + λ2] -
      r^2 r2^3 Cos[θ2 - 3 λ + 3 λ2] + r2^5 Cos[θ2 - 3 λ + 3 λ2]) +
  1/(r^2 - r2^2) 32 Csc[θ2] (-2 r2 Sin[3 λ - 3 λ1] - r Sin[θ2 + 3 λ - 3 λ1] +
      r Sin[θ2 - 3 λ + 3 λ1] + 2 r2 Sin[3 λ - 3 λ2] +
      r Sin[θ2 + 3 λ - 3 λ2] - r Sin[θ2 - 3 λ + 3 λ2]))))
```

In[∘]:=

```
Vxxx[λ1_, λ2_, θ1_, θ2_] :=
 G rho (-1/(96 r) (((64 r r1^2 Sqrt[(r^2 + r1^2 - 2 r r1 Cos[θ1])/(r^2 - 2 r r1 + r1^2)] EllipticF[θ1/2, -(4 r r1)/(r^2 - 2 r r1 + r1^2)]
      Sin[3 λ - 3 λ1])/((r^2 - r1^2) Sqrt[r^2 + r1^2 - 2 r r1 Cos[θ1]]) -
    (16 r1^4 Sqrt[(r^2 + r1^2 - 2 r r1 Cos[θ1])/(r^2 - 2 r r1 + r1^2)] EllipticF[θ1/2, -(4 r r1)/(r^2 - 2 r r1 + r1^2)]
      Sin[3 λ - 3 λ1])/(r (r^2 - r1^2) Sqrt[r^2 + r1^2 - 2 r r1 Cos[θ1]]) -
    (64 r r2^2 Sqrt[(r^2 + r2^2 - 2 r r2 Cos[θ1])/(r^2 - 2 r r2 + r2^2)] EllipticF[θ1/2, -(4 r r2)/(r^2 - 2 r r2 + r2^2)]
```

$$\text{Sin}[3\lambda - 3\lambda 1]\Big) \Big/ \left(\left(r^2 - r2^2\right) \sqrt{r^2 + r2^2 - 2\, r\, r2\, \text{Cos}[\theta 1]}\right) +$$

$$\left(16\, r2^4 \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \text{Cos}[\theta 1]}{r^2 - 2\, r\, r2 + r2^2}}\ \text{EllipticF}\left[\frac{\theta 1}{2}, -\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\right]\right.$$

$$\text{Sin}[3\lambda - 3\lambda 1]\Big) \Big/ \left(r\left(r^2 - r2^2\right) \sqrt{r^2 + r2^2 - 2\, r\, r2\, \text{Cos}[\theta 1]}\right) -$$

$$\left(144\, r1^4 \sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \text{Cos}[\theta 1]}{r^2 - 2\, r\, r1 + r1^2}}\ \text{EllipticF}\left[\frac{\theta 1}{2}, -\frac{4\, r\, r1}{r^2 - 2\, r\, r1 + r1^2}\right]\right.$$

$$\text{Sin}[\lambda - \lambda 1]\Big) \Big/ \left(r\left(r^2 - r1^2\right) \sqrt{r^2 + r1^2 - 2\, r\, r1\, \text{Cos}[\theta 1]}\right) +$$

$$\left(144\, r2^4 \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \text{Cos}[\theta 1]}{r^2 - 2\, r\, r2 + r2^2}}\ \text{EllipticF}\left[\frac{\theta 1}{2}, -\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\right]\right.$$

$$\text{Sin}[\lambda - \lambda 1]\Big) \Big/ \left(r\left(r^2 - r2^2\right) \sqrt{r^2 + r2^2 - 2\, r\, r2\, \text{Cos}[\theta 1]}\right) +$$

$$\frac{1}{r^2 - r1^2}\, 36\, r1^3 \left(-\text{Sin}[\lambda] \left(-\frac{1}{2\, r\, r1}\, \text{Cos}[\lambda 1] \left(\left(2\left(r^2 - 2\, r\, r1 + r1^2\right)\right.\right.\right.\right.$$

$$\sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \text{Cos}[\theta 1]}{r^2 - 2\, r\, r1 + r1^2}}\ \text{EllipticE}\left[\frac{\theta 1}{2},\right.$$

$$\left.\left.-\frac{4\, r\, r1}{r^2 - 2\, r\, r1 + r1^2}\right]\right) \Big/ \left(\sqrt{r^2 + r1^2 - 2\, r\, r1\, \text{Cos}[\theta 1]}\right) -$$

$$\left(2\left(r^2 + r1^2\right) \sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \text{Cos}[\theta 1]}{r^2 - 2\, r\, r1 + r1^2}}\ \text{EllipticF}\left[\frac{\theta 1}{2},\right.\right.$$

$$\left.\left.-\frac{4\, r\, r1}{r^2 - 2\, r\, r1 + r1^2}\right]\right) \Big/ \left(\sqrt{r^2 + r1^2 - 2\, r\, r1\, \text{Cos}[\theta 1]}\right)\Bigg) -$$

$$\left(\sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \text{Cos}[\theta 1]}{r^2 + r1^2}} \left(-r^2 - r1^2 + r^2 \sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \text{Cos}[\theta 1]}{r^2 + r1^2}} +\right.\right.$$

$$\left. r1^2 \sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \text{Cos}[\theta 1]}{r^2 + r1^2}}\right)$$

$$\text{Sin}[\lambda 1]\Big)\Big/\left(r\,r1\,\sqrt{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 1]}\right)\Big)+$$

$$\text{Cos}[\lambda]\left(\left(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 1]}{r^2+r1^2}}\left(-r^2-r1^2+r^2\right.\right.\right.$$

$$\left.\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 1]}{r^2+r1^2}}+r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 1]}{r^2+r1^2}}\right)$$

$$\text{Cos}[\lambda 1]\Big)\Big/\left(r\,r1\,\sqrt{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 1]}\right)-\frac{1}{2\,r\,r1}$$

$$\left(\left(2\left(r^2-2\,r\,r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 1]}{r^2-2\,r\,r1+r1^2}}\,\text{EllipticE}\Big[\right.\right.$$

$$\left.\frac{\theta 1}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 1]}\right)-$$

$$\left(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 1]}{r^2-2\,r\,r1+r1^2}}\,\text{EllipticF}\Big[\right.$$

$$\left.\frac{\theta 1}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\right)\Big/$$

$$\left.\left.\left(\sqrt{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 1]}\right)\right)\text{Sin}[\lambda 1]\right)\right)-$$

$$\frac{1}{r^2\left(r^2-r1^2\right)}\,72\,r1^5\left(-\text{Sin}[\lambda]\left(-\frac{1}{2\,r\,r1}\,\text{Cos}[\lambda 1]\left(\left(2\left(r^2-2\,r\,r1+r1^2\right)\right.\right.\right.\right.$$

$$\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 1]}{r^2-2\,r\,r1+r1^2}}\,\text{EllipticE}\Big[\frac{\theta 1}{2},$$

$$\left.-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 1]}\right)-$$

$$\left(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 1]}{r^2-2\,r\,r1+r1^2}}\,\text{EllipticF}\Big[\frac{\theta 1}{2},\right.$$

$$\left.-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 1]}\right)\Big)-$$

$$\left(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2+r1^2}}\left(-r^2-r1^2+r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2+r1^2}}+r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2+r1^2}}\right)\right.$$

$$\left.\mathrm{Sin}[\lambda 1]\right)\Big/\left(r\,r1\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}\right)\Bigg)+$$

$$\mathrm{Cos}[\lambda]\left(\left(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2+r1^2}}\left(-r^2-r1^2+r^2\right.\right.\right.$$

$$\left.\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2+r1^2}}+r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2+r1^2}}\right)$$

$$\left.\mathrm{Cos}[\lambda 1]\right)\Big/\left(r\,r1\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}\right)-\frac{1}{2\,r\,r1}$$

$$\left(\left(2\left(r^2-2\,r\,r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r1+r1^2}}\,\mathrm{EllipticE}\Big[\right.\right.$$

$$\left.\frac{\theta 1}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}\right)-$$

$$\left(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r1+r1^2}}\,\mathrm{EllipticF}\Big[\right.$$

$$\left.\frac{\theta 1}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\right)\Big/$$

$$\left.\left.\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}\right)\right)\mathrm{Sin}[\lambda 1]\right)\Bigg)-$$

$$\frac{1}{r^2-r1^2}\,36\,r1^3\left(\mathrm{Sin}[\lambda]\left(-\frac{1}{2\,r\,r1}\,\mathrm{Cos}[\lambda 1]\left(\left(2\left(r^2-2\,r\,r1+r1^2\right)\right.\right.\right.\right.$$

$$\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r1+r1^2}}\,\mathrm{EllipticE}\Big[\frac{\theta 1}{2},$$

$$\left.-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}\right)-$$

$$\left(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticF}\left[\frac{\theta1}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}\right)\Bigg)+$$

$$\left(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}{r^2+r1^2}}\left(-r^2-r1^2+r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}{r^2+r1^2}}+r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}{r^2+r1^2}}\right)\right.$$

$$\left.\mathrm{Sin}[\lambda1]\right)\Big/\left(r\,r1\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}\right)\Bigg)+$$

$$\mathrm{Cos}[\lambda]\left(\left(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}{r^2+r1^2}}\left(-r^2-r1^2+r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}{r^2+r1^2}}+r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}{r^2+r1^2}}\right)\right.\right.$$

$$\left.\mathrm{Cos}[\lambda1]\right)\Big/\left(r\,r1\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}\right)+\frac{1}{2\,r\,r1}$$

$$\left(\left(2\left(r^2-2\,r\,r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticE}\left[\frac{\theta1}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}\right)-\right.$$

$$\left(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticF}\left[\frac{\theta1}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\right)\Big/$$

$$\left.\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}\right)\right)\mathrm{Sin}[\lambda1]\Bigg)\Bigg)+$$

$$\frac{1}{r^2\left(r^2-r1^2\right)}\,72\,r1^5\left(\mathrm{Sin}[\lambda]\left(-\frac{1}{2\,r\,r1}\,\mathrm{Cos}[\lambda1]\left(\left(2\left(r^2-2\,r\,r1+r1^2\right)\right.\right.\right.\right.$$

$$\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r1+r1^2}}\ \mathrm{EllipticE}\Big[\frac{\theta 1}{2},$$

$$-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Big)\Big/\Big(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}\Big)-$$

$$\Big(2\,(r^2+r1^2)\ \sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r1+r1^2}}\ \mathrm{EllipticF}\Big[\frac{\theta 1}{2},$$

$$-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Big)\Big/\Big(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}\Big)\Big)+$$

$$\Big(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2+r1^2}}\ \Big(-r^2-r1^2+r^2\ \sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2+r1^2}}+$$

$$r1^2\ \sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2+r1^2}}\Big)$$

$$\mathrm{Sin}[\lambda 1]\Big)\Big/\Big(r\,r1\ \sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}\Big)\Big)+$$

$$\mathrm{Cos}[\lambda]\ \Big(\Big(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2+r1^2}}\ \Big(-r^2-r1^2+r^2$$

$$\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2+r1^2}}+r1^2\ \sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2+r1^2}}\Big)$$

$$\mathrm{Cos}[\lambda 1]\Big)\Big/\Big(r\,r1\ \sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}\Big)+\frac{1}{2\,r\,r1}$$

$$\Big(\Big(2\,(r^2-2\,r\,r1+r1^2)\ \sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r1+r1^2}}\ \mathrm{EllipticE}\Big[$$

$$\frac{\theta 1}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Big)\Big/\Big(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}\Big)-$$

$$\Big(2\,(r^2+r1^2)\ \sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r1+r1^2}}\ \mathrm{EllipticF}\Big[$$

$$\frac{\theta 1}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Big)\Big/$$

$$\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}\right)\Bigg)\,\mathrm{Sin}[\lambda 1]\Bigg)\Bigg)-$$

$$\frac{1}{r^2-r2^2}\,36\,r2^3\Bigg(-\mathrm{Sin}[\lambda]\Bigg(-\frac{1}{2\,r\,r2}\,\mathrm{Cos}[\lambda 1]\Bigg(\Bigg(2\left(r^2-2\,r\,r2+r2^2\right)$$

$$\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticE}\Big[\frac{\theta 1}{2},$$

$$-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\Bigg)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}\right)-$$

$$\Bigg(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticF}\Big[\frac{\theta 1}{2},$$

$$-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\Bigg)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}\right)\Bigg)-$$

$$\Bigg(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}\;\Bigg(-r^2-r2^2+r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}+$$

$$r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}\Bigg)$$

$$\mathrm{Sin}[\lambda 1]\Bigg)\Big/\left(r\,r2\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}\right)\Bigg)+$$

$$\mathrm{Cos}[\lambda]\Bigg(\Bigg(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}\;\Bigg(-r^2-r2^2+r^2$$

$$\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}+r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}\Bigg)$$

$$\mathrm{Cos}[\lambda 1]\Bigg)\Big/\left(r\,r2\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}\right)-\frac{1}{2\,r\,r2}$$

$$\Bigg(\Bigg(2\left(r^2-2\,r\,r2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticE}\Big[$$

$$\frac{\theta 1}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\Bigg)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}\right)-$$

$$\left(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta1]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticF}\left[\frac{\theta1}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta1]}\right)\Bigg)\mathrm{Sin}[\lambda1]\Bigg)\Bigg)+$$

$$\frac{1}{r^2\left(r^2-r2^2\right)}\,72\,r2^5\Bigg(-\mathrm{Sin}[\lambda]\Bigg(-\frac{1}{2\,r\,r2}\,\mathrm{Cos}[\lambda1]\Bigg(\Bigg(2\left(r^2-2\,r\,r2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta1]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticE}\left[\frac{\theta1}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\Bigg)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta1]}\right)-$$

$$\left(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta1]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticF}\left[\frac{\theta1}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta1]}\right)\Bigg)-$$

$$\left(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta1]}{r^2+r2^2}}\left(-r^2-r2^2+r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta1]}{r^2+r2^2}}+r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta1]}{r^2+r2^2}}\right)\right.$$

$$\left.\mathrm{Sin}[\lambda1]\right)\Big/\left(r\,r2\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta1]}\right)\Bigg)+$$

$$\mathrm{Cos}[\lambda]\Bigg(\Bigg(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta1]}{r^2+r2^2}}\left(-r^2-r2^2+r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta1]}{r^2+r2^2}}+r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta1]}{r^2+r2^2}}\right)$$

$$\mathrm{Cos}[\lambda1]\Bigg)\Big/\left(r\,r2\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta1]}\right)-\frac{1}{2\,r\,r2}$$

$$\left(\left(2\left(r^2-2\,r\,r2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta1]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticE}\left[\frac{\theta1}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta1]}\right)-\left(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta1]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticF}\left[\frac{\theta1}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta1]}\right)\right)\mathrm{Sin}[\lambda1]\right)+$$

$$\frac{1}{r^2-r2^2}\,36\,r2^3\left(\mathrm{Sin}[\lambda]\left(-\frac{1}{2\,r\,r2}\,\mathrm{Cos}[\lambda1]\left(\left(2\left(r^2-2\,r\,r2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta1]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticE}\left[\frac{\theta1}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta1]}\right)-\left(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta1]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticF}\left[\frac{\theta1}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta1]}\right)\right)+\left(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta1]}{r^2+r2^2}}\left(-r^2-r2^2+r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta1]}{r^2+r2^2}}+r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta1]}{r^2+r2^2}}\right)\mathrm{Sin}[\lambda1]\right)\Big/\left(r\,r2\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta1]}\right)\right)+$$

$$\mathrm{Cos}[\lambda]\left(\left(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta1]}{r^2+r2^2}}\left(-r^2-r2^2+r^2\right.\right.\right.$$

$$\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}+r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}\Bigg)$$

$$\mathrm{Cos}[\lambda 1]\Bigg)\Big/\left(r\,r2\,\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}\right)+\frac{1}{2\,r\,r2}$$

$$\Bigg(\Bigg(2\left(r^2-2\,r\,r2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticE}\Big[$$

$$\frac{\theta 1}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\Bigg)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}\right)-$$

$$\Bigg(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticF}\Big[$$

$$\frac{\theta 1}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\Bigg)\Big/$$

$$\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}\right)\Bigg)\,\mathrm{Sin}[\lambda 1]\Bigg)\Bigg)-$$

$$\frac{1}{r^2\left(r^2-r2^2\right)}\,72\,r2^5\Bigg(\mathrm{Sin}[\lambda]\Bigg(-\frac{1}{2\,r\,r2}\,\mathrm{Cos}[\lambda 1]\Bigg(\Bigg(2\left(r^2-2\,r\,r2+r2^2\right)$$

$$\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticE}\Big[\frac{\theta 1}{2},$$

$$-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\Bigg)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}\right)-$$

$$\Bigg(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticF}\Big[\frac{\theta 1}{2},$$

$$-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\Bigg)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}\right)\Bigg)+$$

$$\Bigg(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}\Bigg(-r^2-r2^2+r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}+$$

$$r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}\Bigg)$$

$$\text{Sin}[\lambda 1]\Big)\Big/\left(r\,r2\,\sqrt{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 1]}\right)\Big)+$$

$$\text{Cos}[\lambda]\left(\left(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 1]}{r^2+r2^2}}\left(-r^2-r2^2+r^2\right.\right.\right.$$

$$\left.\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 1]}{r^2+r2^2}}+r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 1]}{r^2+r2^2}}\right)$$

$$\text{Cos}[\lambda 1]\Big)\Big/\left(r\,r2\,\sqrt{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 1]}\right)+\frac{1}{2\,r\,r2}$$

$$\left(\left(2\left(r^2-2\,r\,r2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 1]}{r^2-2\,r\,r2+r2^2}}\,\text{EllipticE}\Big[\right.\right.$$

$$\left.\frac{\theta 1}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 1]}\right)-$$

$$\left(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 1]}{r^2-2\,r\,r2+r2^2}}\,\text{EllipticF}\Big[\right.$$

$$\left.\frac{\theta 1}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\right)\Big/$$

$$\left.\left.\left(\sqrt{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 1]}\right)\right)\text{Sin}[\lambda 1]\right)\right)+$$

$$\frac{1}{r^2-r1^2}\,32\,r^2\,r1\left(-\left((1+2\,\text{Cos}[2\,\lambda])\,\text{Sin}[\lambda]\left(-\frac{1}{2\,r\,r1}\,\text{Cos}[3\,\lambda 1]\right.\right.\right.$$

$$\left(\left(2\left(r^2-2\,r\,r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 1]}{r^2-2\,r\,r1+r1^2}}\,\text{EllipticE}\Big[\frac{\theta 1}{2},\right.\right.$$

$$\left.-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 1]}\right)-$$

$$\left(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 1]}{r^2-2\,r\,r1+r1^2}}\,\text{EllipticF}\Big[\right.$$

$$\left.\frac{\theta 1}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 1]}\right)\Big)-$$

$$\left(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2+r1^2}}\left(-r^2-r1^2+r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2+r1^2}}+r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2+r1^2}}\right)\right.$$

$$\left.(1+2\,\mathrm{Cos}[2\,\lambda 1])\,\mathrm{Sin}[\lambda 1]\right)\Big/\left(r\,r1\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}\right)\Bigg)\Bigg)+$$

$$\mathrm{Cos}[\lambda]\,(-1+2\,\mathrm{Cos}[2\,\lambda])\left(\left(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2+r1^2}}\left(-r^2-r1^2+r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2+r1^2}}+r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2+r1^2}}\right)\right.\right.$$

$$\left.\mathrm{Cos}[\lambda 1]\,(-1+2\,\mathrm{Cos}[2\,\lambda 1])\right)\Big/\left(r\,r1\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}\right)-$$

$$\frac{1}{2\,r\,r1}\left(\left(2\left(r^2-2\,r\,r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r1+r1^2}}\,\mathrm{EllipticE}\left[\frac{\theta 1}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}\right)-\right.$$

$$\left.\left(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r1+r1^2}}\,\mathrm{EllipticF}\left[\frac{\theta 1}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}\right)\right)\mathrm{Sin}[3\,\lambda 1]\Bigg)\Bigg)-$$

$$\frac{1}{r^2-r1^2}\,12\,r1^3\left(-\left((1+2\,\mathrm{Cos}[2\,\lambda])\,\mathrm{Sin}[\lambda]\left(-\frac{1}{2\,r\,r1}\,\mathrm{Cos}[3\,\lambda 1]\right.\right.\right.$$

$$\left(\left(2\left(r^2-2\,r\,r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r1+r1^2}}\,\mathrm{EllipticE}\left[\frac{\theta 1}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}\right)-\right.$$

$$\left(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticF}\left[\frac{\theta1}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}\right)\Bigg)-$$

$$\left(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}{r^2+r1^2}}\left(-r^2-r1^2+r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}{r^2+r1^2}}+r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}{r^2+r1^2}}\right)\right.$$

$$\left.(1+2\,\mathrm{Cos}[2\,\lambda1])\,\mathrm{Sin}[\lambda1]\right)\Big/\left(r\,r1\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}\right)\Bigg)\Bigg)+$$

$$\mathrm{Cos}[\lambda]\,(-1+2\,\mathrm{Cos}[2\,\lambda])\left(\left(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}{r^2+r1^2}}\left(-r^2-r1^2+r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}{r^2+r1^2}}+r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}{r^2+r1^2}}\right)\right.\right.$$

$$\left.\mathrm{Cos}[\lambda1]\,(-1+2\,\mathrm{Cos}[2\,\lambda1])\right)\Big/\left(r\,r1\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}\right)-$$

$$\frac{1}{2\,r\,r1}\left(\left(2\left(r^2-2\,r\,r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticE}\left[\frac{\theta1}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}\right)-\right.$$

$$\left(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticF}\left[\frac{\theta1}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\right)\Big/$$

$$\left.\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}\right)\right)\mathrm{Sin}[3\,\lambda1]\Bigg)\Bigg)-$$

$$\frac{1}{r^2\left(r^2-r1^2\right)}\,8\,r1^5\left(-\left((1+2\,\mathrm{Cos}[2\,\lambda])\,\mathrm{Sin}[\lambda]\left(-\frac{1}{2\,r\,r1}\,\mathrm{Cos}[3\,\lambda1]\right.\right.\right.$$

$$\left(\left(2\left(r^2-2\,r\,r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticE}\left[\frac{\theta1}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}\right)-\left(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticF}\left[\frac{\theta1}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}\right)\right)-\left(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}{r^2+r1^2}}\left(-r^2-r1^2+r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}{r^2+r1^2}}+r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}{r^2+r1^2}}\right)(1+2\,\mathrm{Cos}[2\,\lambda1])\,\mathrm{Sin}[\lambda1]\right)\Big/\left(r\,r1\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}\right)\right)\Bigg)+$$

$$\mathrm{Cos}[\lambda]\,(-1+2\,\mathrm{Cos}[2\,\lambda])\left(\left(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}{r^2+r1^2}}\left(-r^2-r1^2+r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}{r^2+r1^2}}+r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}{r^2+r1^2}}\right)\mathrm{Cos}[\lambda1]\,(-1+2\,\mathrm{Cos}[2\,\lambda1])\right)\Big/\left(r\,r1\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}\right)-\frac{1}{2\,r\,r1}\left(\left(2\left(r^2-2\,r\,r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticE}\left[\frac{\theta1}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}\right)-\left(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticF}\left[\frac{\theta1}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\right)\Big/$$

$$\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}\right)\Bigg)\,\mathrm{Sin}[3\,\lambda 1]\Bigg)\Bigg)-$$

$$\frac{1}{r^2-r1^2}\,32\,r^2\,r1\,\Bigg((1+2\,\mathrm{Cos}[2\,\lambda])\,\mathrm{Sin}[\lambda]\,\Bigg(-\frac{1}{2\,r\,r1}\,\mathrm{Cos}[3\,\lambda 1]$$

$$\Bigg(\Bigg(2\,(r^2-2\,r\,r1+r1^2)\,\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r1+r1^2}}\,\mathrm{EllipticE}\Big[\frac{\theta 1}{2},$$

$$-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Bigg)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}\right)-$$

$$\Bigg(2\,(r^2+r1^2)\,\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r1+r1^2}}\,\mathrm{EllipticF}\Big[\frac{\theta 1}{2},$$

$$-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Bigg)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}\right)\Bigg)+$$

$$\Bigg(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2+r1^2}}\,\Bigg(-r^2-r1^2+r^2\,\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2+r1^2}}+$$

$$r1^2\,\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2+r1^2}}\Bigg)\,(1+2\,\mathrm{Cos}[2\,\lambda 1])\,\mathrm{Sin}[\lambda 1]\Bigg)\Big/$$

$$\left(r\,r1\,\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}\right)\Bigg)+\mathrm{Cos}[\lambda]\,(-1+2\,\mathrm{Cos}[2\,\lambda])$$

$$\Bigg(\Bigg(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2+r1^2}}\,\Bigg(-r^2-r1^2+r^2\,\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2+r1^2}}+$$

$$r1^2\,\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2+r1^2}}\Bigg)\,\mathrm{Cos}[\lambda 1]$$

$$(-1+2\,\mathrm{Cos}[2\,\lambda 1])\Bigg)\Big/\left(r\,r1\,\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}\right)+\frac{1}{2\,r\,r1}$$

$$\Bigg(\Bigg(2\,(r^2-2\,r\,r1+r1^2)\,\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r1+r1^2}}\,\mathrm{EllipticE}\Big[$$

$$\frac{\theta 1}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Bigg)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}\right)-$$

$$\left(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticF}\Big[\frac{\theta1}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}\right)\Bigg)\,\mathrm{Sin}[3\,\lambda1]\Bigg)\Bigg)+$$

$$\frac{1}{r^2-r1^2}\,12\,r1^3\Bigg((1+2\,\mathrm{Cos}[2\,\lambda])\,\mathrm{Sin}[\lambda]\Bigg(-\frac{1}{2\,r\,r1}\,\mathrm{Cos}[3\,\lambda1]$$

$$\Bigg(\Bigg(2\left(r^2-2\,r\,r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticE}\Big[\frac{\theta1}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Bigg)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}\right)-$$

$$\left(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticF}\Big[\frac{\theta1}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}\right)\Bigg)+$$

$$\left(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}{r^2+r1^2}}\left(-r^2-r1^2+r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}{r^2+r1^2}}+r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}{r^2+r1^2}}\right)(1+2\,\mathrm{Cos}[2\,\lambda1])\,\mathrm{Sin}[\lambda1]\right)\Big/$$

$$\left(r\,r1\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}\right)\Bigg)+\mathrm{Cos}[\lambda]\,(-1+2\,\mathrm{Cos}[2\,\lambda])$$

$$\Bigg(\Bigg(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}{r^2+r1^2}}\left(-r^2-r1^2+r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}{r^2+r1^2}}+r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}{r^2+r1^2}}\right)\mathrm{Cos}[\lambda1]$$

$$(-1+2\,\mathrm{Cos}[2\,\lambda1])\Bigg)\Big/\left(r\,r1\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}\right)+\frac{1}{2\,r\,r1}$$

$$\left(\left(2\left(r^2-2\,r\,r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticE}\left[\frac{\theta1}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}\right)-\left(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticF}\left[\frac{\theta1}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}\right)\right)\mathrm{Sin}[3\,\lambda1]\right)\right)+$$

$$\frac{1}{r^2\left(r^2-r1^2\right)}\,8\,r1^5\left((1+2\,\mathrm{Cos}[2\,\lambda])\,\mathrm{Sin}[\lambda]\left(-\frac{1}{2\,r\,r1}\,\mathrm{Cos}[3\,\lambda1]\right.\right.$$

$$\left(\left(2\left(r^2-2\,r\,r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticE}\left[\frac{\theta1}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}\right)-\left(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticF}\left[\frac{\theta1}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}\right)\right)+$$

$$\left(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}{r^2+r1^2}}\left(-r^2-r1^2+r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}{r^2+r1^2}}+r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}{r^2+r1^2}}\right)(1+2\,\mathrm{Cos}[2\,\lambda1])\,\mathrm{Sin}[\lambda1]\right)\Big/\left(r\,r1\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}\right)\right)+\mathrm{Cos}[\lambda]\,(-1+2\,\mathrm{Cos}[2\,\lambda])$$

$$\left(\left(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}{r^2+r1^2}}\left(-r^2-r1^2+r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}{r^2+r1^2}}+\right.\right.\right.$$

$$r1^2 \sqrt{\frac{r^2 + r1^2 - 2\, r\, r1 \operatorname{Cos}[\theta 1]}{r^2 + r1^2}}\Bigg) \operatorname{Cos}[\lambda 1]$$

$$(-1 + 2 \operatorname{Cos}[2\, \lambda 1])\Bigg) \Big/ \left(r\, r1 \sqrt{r^2 + r1^2 - 2\, r\, r1 \operatorname{Cos}[\theta 1]}\right) + \frac{1}{2\, r\, r1}$$

$$\Bigg(\Bigg(2 \left(r^2 - 2\, r\, r1 + r1^2\right) \sqrt{\frac{r^2 + r1^2 - 2\, r\, r1 \operatorname{Cos}[\theta 1]}{r^2 - 2\, r\, r1 + r1^2}} \operatorname{EllipticE}\Big[$$

$$\frac{\theta 1}{2}, -\frac{4\, r\, r1}{r^2 - 2\, r\, r1 + r1^2}\Big]\Bigg) \Big/ \left(\sqrt{r^2 + r1^2 - 2\, r\, r1 \operatorname{Cos}[\theta 1]}\right) -$$

$$\Bigg(2 \left(r^2 + r1^2\right) \sqrt{\frac{r^2 + r1^2 - 2\, r\, r1 \operatorname{Cos}[\theta 1]}{r^2 - 2\, r\, r1 + r1^2}} \operatorname{EllipticF}\Big[$$

$$\frac{\theta 1}{2}, -\frac{4\, r\, r1}{r^2 - 2\, r\, r1 + r1^2}\Big]\Bigg) \Big/$$

$$\left(\sqrt{r^2 + r1^2 - 2\, r\, r1 \operatorname{Cos}[\theta 1]}\right)\Bigg) \operatorname{Sin}[3\, \lambda 1]\Bigg)\Bigg) -$$

$$\frac{1}{r^2 - r2^2}\, 32\, r^2\, r2 \Bigg(-\Bigg((1 + 2 \operatorname{Cos}[2\, \lambda])\, \operatorname{Sin}[\lambda] \Bigg(-\frac{1}{2\, r\, r2} \operatorname{Cos}[3\, \lambda 1]$$

$$\Bigg(\Bigg(2 \left(r^2 - 2\, r\, r2 + r2^2\right) \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2 \operatorname{Cos}[\theta 1]}{r^2 - 2\, r\, r2 + r2^2}} \operatorname{EllipticE}\Big[\frac{\theta 1}{2},$$

$$-\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\Big]\Bigg) \Big/ \left(\sqrt{r^2 + r2^2 - 2\, r\, r2 \operatorname{Cos}[\theta 1]}\right) -$$

$$\Bigg(2 \left(r^2 + r2^2\right) \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2 \operatorname{Cos}[\theta 1]}{r^2 - 2\, r\, r2 + r2^2}} \operatorname{EllipticF}\Big[$$

$$\frac{\theta 1}{2}, -\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\Big]\Bigg) \Big/ \left(\sqrt{r^2 + r2^2 - 2\, r\, r2 \operatorname{Cos}[\theta 1]}\right)\Bigg) -$$

$$\Bigg(\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2 \operatorname{Cos}[\theta 1]}{r^2 + r2^2}} \Bigg(-r^2 - r2^2 + r^2$$

$$\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2 \operatorname{Cos}[\theta 1]}{r^2 + r2^2}} + r2^2 \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2 \operatorname{Cos}[\theta 1]}{r^2 + r2^2}}\Bigg)$$

$$(1+2\,\mathrm{Cos}[2\,\lambda 1])\,\mathrm{Sin}[\lambda 1]\Big)\Big/\Big(r\,r2\,\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}\Big)\Big)\Big)+$$

$$\mathrm{Cos}[\lambda]\,(-1+2\,\mathrm{Cos}[2\,\lambda])\,\Bigg(\Bigg(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}\,\Bigg(-r^2-r2^2+$$

$$r^2\,\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}+r2^2\,\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}\Bigg)$$

$$\mathrm{Cos}[\lambda 1]\,(-1+2\,\mathrm{Cos}[2\,\lambda 1])\Big)\Big/\Big(r\,r2\,\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}\Big)-$$

$$\frac{1}{2\,r\,r2}\,\Bigg(\Bigg(2\,(r^2-2\,r\,r2+r2^2)\,\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r2+r2^2}}\,\mathrm{EllipticE}\Big[$$

$$\frac{\theta 1}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\Bigg)\Big/\Big(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}\Big)-$$

$$\Bigg(2\,(r^2+r2^2)\,\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r2+r2^2}}\,\mathrm{EllipticF}\Big[$$

$$\frac{\theta 1}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\Bigg)\Big/$$

$$\Big(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}\Big)\Bigg)\,\mathrm{Sin}[3\,\lambda 1]\Bigg)\Bigg)+$$

$$\frac{1}{r^2-r2^2}\,12\,r2^3\,\Bigg(-\Bigg((1+2\,\mathrm{Cos}[2\,\lambda])\,\mathrm{Sin}[\lambda]\,\Bigg(-\frac{1}{2\,r\,r2}\,\mathrm{Cos}[3\,\lambda 1]$$

$$\Bigg(\Bigg(2\,(r^2-2\,r\,r2+r2^2)\,\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r2+r2^2}}\,\mathrm{EllipticE}\Big[\frac{\theta 1}{2},$$

$$-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\Bigg)\Big/\Big(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}\Big)-$$

$$\Bigg(2\,(r^2+r2^2)\,\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r2+r2^2}}\,\mathrm{EllipticF}\Big[$$

$$\frac{\theta 1}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\Bigg)\Big/\Big(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}\Big)\Bigg)-$$

$$\left(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}\left(-r^2-r2^2+r^2\right.\right.$$

$$\left.\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}+r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}\right)$$

$$\left.(1+2\,\mathrm{Cos}[2\,\lambda 1])\,\mathrm{Sin}[\lambda 1]\right)\Big/\left(r\,r2\,\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}\right)\Bigg)\Bigg)+$$

$$\mathrm{Cos}[\lambda]\,(-1+2\,\mathrm{Cos}[2\,\lambda])\left(\left(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}\left(-r^2-r2^2+\right.\right.\right.$$

$$\left.r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}+r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}\right)$$

$$\left.\mathrm{Cos}[\lambda 1]\,(-1+2\,\mathrm{Cos}[2\,\lambda 1])\right)\Big/\left(r\,r2\,\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}\right)-$$

$$\frac{1}{2\,r\,r2}\left(\left(2\left(r^2-2\,r\,r2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r2+r2^2}}\,\mathrm{EllipticE}\Big[\right.\right.$$

$$\left.\frac{\theta 1}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}\right)-$$

$$\left(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r2+r2^2}}\,\mathrm{EllipticF}\Big[\right.$$

$$\left.\frac{\theta 1}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\right)\Big/$$

$$\left.\left.\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}\right)\right)\mathrm{Sin}[3\,\lambda 1]\right)\Bigg)+$$

$$\frac{1}{r^2\left(r^2-r2^2\right)}\,8\,r2^5\left(-\left((1+2\,\mathrm{Cos}[2\,\lambda])\,\mathrm{Sin}[\lambda]\left(-\frac{1}{2\,r\,r2}\,\mathrm{Cos}[3\,\lambda 1]\right.\right.\right.$$

$$\left(\left(2\left(r^2-2\,r\,r2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r2+r2^2}}\,\mathrm{EllipticE}\Big[\frac{\theta 1}{2},\right.\right.$$

$$\left.-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}\right)-$$

$$\left(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticF}\left[\frac{\theta 1}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}\right)\Bigg)-$$

$$\left(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}\left(-r^2-r2^2+r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}+r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}\right)\right.$$

$$\left.(1+2\,\mathrm{Cos}[2\,\lambda 1])\,\mathrm{Sin}[\lambda 1]\right)\Big/\left(r\,r2\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}\right)\Bigg)\Bigg)+$$

$$\mathrm{Cos}[\lambda]\,(-1+2\,\mathrm{Cos}[2\,\lambda])\left(\left(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}\left(-r^2-r2^2+r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}+r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}\right)\right.\right.$$

$$\left.\mathrm{Cos}[\lambda 1]\,(-1+2\,\mathrm{Cos}[2\,\lambda 1])\right)\Big/\left(r\,r2\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}\right)-$$

$$\frac{1}{2\,r\,r2}\left(\left(2\left(r^2-2\,r\,r2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticE}\left[\frac{\theta 1}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}\right)-\right.$$

$$\left(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticF}\left[\frac{\theta 1}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Big/$$

$$\left.\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}\right)\right)\mathrm{Sin}[3\,\lambda 1]\Bigg)\Bigg)+$$

$$\frac{1}{r^2-r2^2}\,32\,r^2\,r2\left((1+2\,\mathrm{Cos}[2\,\lambda])\,\mathrm{Sin}[\lambda]\left(-\frac{1}{2\,r\,r2}\,\mathrm{Cos}[3\,\lambda 1]\right.\right.$$

$$\left(\left(2\left(r^2-2\,r\,r2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta1]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticE}\left[\frac{\theta1}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta1]}\right)-\left(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta1]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticF}\left[\frac{\theta1}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta1]}\right)\right)+\left(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta1]}{r^2+r2^2}}\left(-r^2-r2^2+r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta1]}{r^2+r2^2}}+r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta1]}{r^2+r2^2}}\right)(1+2\,\mathrm{Cos}[2\,\lambda1])\,\mathrm{Sin}[\lambda1]\right)\Big/\left(r\,r2\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta1]}\right)\right)+\mathrm{Cos}[\lambda]\,(-1+2\,\mathrm{Cos}[2\,\lambda])$$

$$\left(\left(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta1]}{r^2+r2^2}}\left(-r^2-r2^2+r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta1]}{r^2+r2^2}}+r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta1]}{r^2+r2^2}}\right)\mathrm{Cos}[\lambda1]\,(-1+2\,\mathrm{Cos}[2\,\lambda1])\right)\Big/\left(r\,r2\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta1]}\right)+\frac{1}{2\,r\,r2}\left(\left(2\left(r^2-2\,r\,r2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta1]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticE}\left[\frac{\theta1}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta1]}\right)-\left(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta1]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticF}\left[\frac{\theta1}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Big/$$

$$\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}\right)\Bigg)\,\mathrm{Sin}[3\,\lambda 1]\Bigg)\Bigg)-$$

$$\frac{1}{r^2-r2^2}\,12\,r2^3\Bigg((1+2\,\mathrm{Cos}[2\,\lambda])\,\mathrm{Sin}[\lambda]\Bigg(-\frac{1}{2\,r\,r2}\,\mathrm{Cos}[3\,\lambda 1]$$

$$\Bigg(\Bigg(2\left(r^2-2\,r\,r2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r2+r2^2}}\,\mathrm{EllipticE}\Big[\frac{\theta 1}{2},$$

$$-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\Bigg)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}\right)-$$

$$\Bigg(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r2+r2^2}}\,\mathrm{EllipticF}\Big[\frac{\theta 1}{2},$$

$$-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\Bigg)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}\right)\Bigg)+$$

$$\Bigg(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}\Bigg(-r^2-r2^2+r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}+$$

$$r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}\Bigg)(1+2\,\mathrm{Cos}[2\,\lambda 1])\,\mathrm{Sin}[\lambda 1]\Bigg)\Big/$$

$$\left(r\,r2\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}\right)\Bigg)+\mathrm{Cos}[\lambda]\,(-1+2\,\mathrm{Cos}[2\,\lambda])$$

$$\Bigg(\Bigg(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}\Bigg(-r^2-r2^2+r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}+$$

$$r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}\Bigg)\mathrm{Cos}[\lambda 1]$$

$$(-1+2\,\mathrm{Cos}[2\,\lambda 1])\Bigg)\Big/\left(r\,r2\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}\right)+\frac{1}{2\,r\,r2}$$

$$\Bigg(\Bigg(2\left(r^2-2\,r\,r2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r2+r2^2}}\,\mathrm{EllipticE}\Big[$$

$$\frac{\theta 1}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\Bigg)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}\right)-$$

$$\left(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticF}\Big[\frac{\theta 1}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}\right)\Bigg)\,\mathrm{Sin}[3\,\lambda 1]\Bigg)\Bigg)-$$

$$\frac{1}{r^2\left(r^2-r2^2\right)}\,8\,r2^5\Bigg((1+2\,\mathrm{Cos}[2\,\lambda])\,\mathrm{Sin}[\lambda]\Bigg(-\frac{1}{2\,r\,r2}\,\mathrm{Cos}[3\,\lambda 1]$$

$$\Bigg(\Bigg(2\left(r^2-2\,r\,r2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticE}\Big[\frac{\theta 1}{2},$$

$$-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\Bigg)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}\right)-$$

$$\left(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticF}\Big[\frac{\theta 1}{2},$$

$$-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}\right)\Bigg)+$$

$$\left(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}\left(-r^2-r2^2+r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}+\right.\right.$$

$$\left.r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}\right)(1+2\,\mathrm{Cos}[2\,\lambda 1])\,\mathrm{Sin}[\lambda 1]\Big)\Big/$$

$$\left.\left(r\,r2\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}\right)\right)+\mathrm{Cos}[\lambda]\,(-1+2\,\mathrm{Cos}[2\,\lambda])$$

$$\Bigg(\Bigg(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}\left(-r^2-r2^2+r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}+\right.$$

$$\left.r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}\right)\mathrm{Cos}[\lambda 1]$$

$$(-1+2\,\mathrm{Cos}[2\,\lambda 1])\Bigg)\Big/\left(r\,r2\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}\right)+\frac{1}{2\,r\,r2}$$

$$\left(\left(2\left(r^2-2\,r\,r2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticE}\left[\frac{\theta 1}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}\right)-\left(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticF}\left[\frac{\theta 1}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}\right)\right)\mathrm{Sin}[3\,\lambda 1]\right)-$$

$$\left(64\,r\,r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticF}\left[\frac{\theta 1}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\mathrm{Sin}[3\,\lambda-3\,\lambda 2]\right)\Big/\left(\left(r^2-r1^2\right)\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}\right)+$$

$$\left(16\,r1^4\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticF}\left[\frac{\theta 1}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\mathrm{Sin}[3\,\lambda-3\,\lambda 2]\right)\Big/\left(r\left(r^2-r1^2\right)\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}\right)+$$

$$\left(64\,r\,r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticF}\left[\frac{\theta 1}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\mathrm{Sin}[3\,\lambda-3\,\lambda 2]\right)\Big/\left(\left(r^2-r2^2\right)\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}\right)-$$

$$\left(16\, r2^4 \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 1]}{r^2 - 2\, r\, r2 + r2^2}}\right.$$

$$\mathrm{EllipticF}\left[\frac{\theta 1}{2}, -\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\right]$$

$$\left.\mathrm{Sin}[3\,\lambda - 3\,\lambda 2]\right) \Big/$$

$$\left(r\,\left(r^2 - r2^2\right)\, \sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 1]}\right) +$$

$$\left(144\, r1^4 \sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 1]}{r^2 - 2\, r\, r1 + r1^2}}\right.$$

$$\mathrm{EllipticF}\left[\frac{\theta 1}{2}, -\frac{4\, r\, r1}{r^2 - 2\, r\, r1 + r1^2}\right]$$

$$\left.\mathrm{Sin}[\lambda - \lambda 2]\right) \Big/$$

$$\left(r\,\left(r^2 - r1^2\right)\, \sqrt{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 1]}\right) -$$

$$\left(144\, r2^4 \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 1]}{r^2 - 2\, r\, r2 + r2^2}}\right.$$

$$\mathrm{EllipticF}\left[\frac{\theta 1}{2}, -\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\right]$$

$$\left.\mathrm{Sin}[\lambda - \lambda 2]\right) \Big/$$

$$\left(r\,\left(r^2 - r2^2\right)\, \sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 1]}\right) - \frac{1}{r^2 - r1^2}$$

$$36\, r1^3$$

$$\left(-\mathrm{Sin}[\lambda]\, \left(-\frac{1}{2\, r\, r1}\, \mathrm{Cos}[\lambda 2]\right.\right.$$

$$\left(\left(2\,\left(r^2 - 2\, r\, r1 + r1^2\right)\, \sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 1]}{r^2 - 2\, r\, r1 + r1^2}}\, \mathrm{EllipticE}\left[\frac{\theta 1}{2},\right.\right.\right.$$

$$\left.\left.\left.-\frac{4\, r\, r1}{r^2 - 2\, r\, r1 + r1^2}\right]\right) \Big/ \left(\sqrt{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 1]}\right) -$$

$$\left(2\,\left(r^2 + r1^2\right)\, \sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 1]}{r^2 - 2\, r\, r1 + r1^2}}\, \mathrm{EllipticF}\left[\frac{\theta 1}{2},\right.\right.$$

$$-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Big)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}\right)\Big)-$$

$$\left(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2+r1^2}}\left(-r^2-r1^2+r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2+r1^2}}+\right.\right.$$

$$\left.r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2+r1^2}}\right)$$

$$\left.\mathrm{Sin}[\lambda 2]\right)\Big/\left(r\,r1\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}\right)\Big)+$$

$$\mathrm{Cos}[\lambda]\left(\left(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2+r1^2}}\left(-r^2-r1^2+r^2\right.\right.\right.$$

$$\left.\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2+r1^2}}+r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2+r1^2}}\right)$$

$$\left.\mathrm{Cos}[\lambda 2]\right)\Big/\left(r\,r1\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}\right)-\frac{1}{2\,r\,r1}$$

$$\left(\left(2\left(r^2-2\,r\,r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r1+r1^2}}\,\mathrm{EllipticE}\Big[\right.\right.$$

$$\left.\frac{\theta 1}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}\right)-$$

$$\left(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r1+r1^2}}\,\mathrm{EllipticF}\Big[\right.$$

$$\left.\frac{\theta 1}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\right)\Big/$$

$$\left.\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}\right)\right)\mathrm{Sin}[\lambda 2]\Big)\Big)+$$

$$\frac{1}{r^2\left(r^2-r1^2\right)}\,72\,r1^5\left(-\mathrm{Sin}[\lambda]\left(-\frac{1}{2\,r\,r1}\,\mathrm{Cos}[\lambda 2]\left(\left(2\left(r^2-2\,r\,r1+r1^2\right)\right.\right.\right.\right.$$

$$\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r1+r1^2}}\,\mathrm{EllipticE}\Big[\frac{\theta 1}{2},$$

$$-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Big)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}\right)-$$

$$\left(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticF}\Big[\frac{\theta1}{2},\right.$$

$$\left.-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}\right)\Bigg)-$$

$$\left(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}{r^2+r1^2}}\left(-r^2-r1^2+r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}{r^2+r1^2}}+\right.\right.$$

$$\left.r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}{r^2+r1^2}}\right)$$

$$\left.\mathrm{Sin}[\lambda2]\right)\Big/\left(r\,r1\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}\right)\Bigg)+$$

$$\mathrm{Cos}[\lambda]\left(\left(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}{r^2+r1^2}}\left(-r^2-r1^2+r^2\right.\right.\right.$$

$$\left.\left.\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}{r^2+r1^2}}+r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}{r^2+r1^2}}\right)$$

$$\left.\mathrm{Cos}[\lambda2]\right)\Big/\left(r\,r1\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}\right)-\frac{1}{2\,r\,r1}$$

$$\left(\left(2\left(r^2-2\,r\,r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticE}\Big[\right.\right.$$

$$\left.\frac{\theta1}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}\right)-$$

$$\left(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticF}\Big[\right.$$

$$\left.\frac{\theta1}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\right)\Big/$$

$$\left.\left.\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}\right)\right)\mathrm{Sin}[\lambda2]\right)\right)+$$

$$\frac{1}{r^2 - r1^2}\, 36\, r1^3 \Bigg(\mathrm{Sin}[\lambda] \Bigg(-\frac{1}{2\, r\, r1}\, \mathrm{Cos}[\lambda 2] \Bigg(\Bigg(2\left(r^2 - 2\, r\, r1 + r1^2\right) \sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 1]}{r^2 - 2\, r\, r1 + r1^2}}\, \mathrm{EllipticE}\Big[\frac{\theta 1}{2}, -\frac{4\, r\, r1}{r^2 - 2\, r\, r1 + r1^2}\Big]\Bigg) \Big/ \left(\sqrt{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 1]}\right) - \Bigg(2\left(r^2 + r1^2\right) \sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 1]}{r^2 - 2\, r\, r1 + r1^2}}\, \mathrm{EllipticF}\Big[\frac{\theta 1}{2}, -\frac{4\, r\, r1}{r^2 - 2\, r\, r1 + r1^2}\Big]\Bigg) \Big/ \left(\sqrt{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 1]}\right)\Bigg) + \Bigg(\sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 1]}{r^2 + r1^2}} \Bigg(-r^2 - r1^2 + r^2 \sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 1]}{r^2 + r1^2}} + r1^2 \sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 1]}{r^2 + r1^2}}\Bigg)\, \mathrm{Sin}[\lambda 2]\Bigg) \Big/ \left(r\, r1 \sqrt{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 1]}\right)\Bigg) + \mathrm{Cos}[\lambda] \Bigg(\Bigg(\sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 1]}{r^2 + r1^2}} \Bigg(-r^2 - r1^2 + r^2 \sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 1]}{r^2 + r1^2}} + r1^2 \sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 1]}{r^2 + r1^2}}\Bigg)\, \mathrm{Cos}[\lambda 2]\Bigg) \Big/ \left(r\, r1 \sqrt{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 1]}\right) + \frac{1}{2\, r\, r1} \Bigg(\Bigg(2\left(r^2 - 2\, r\, r1 + r1^2\right) \sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 1]}{r^2 - 2\, r\, r1 + r1^2}}\, \mathrm{EllipticE}\Big[\frac{\theta 1}{2}, -\frac{4\, r\, r1}{r^2 - 2\, r\, r1 + r1^2}\Big]\Bigg) \Big/ \left(\sqrt{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 1]}\right) - \Bigg(2\left(r^2 + r1^2\right) \sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 1]}{r^2 - 2\, r\, r1 + r1^2}}\, \mathrm{EllipticF}\Big[$$

$$\frac{\theta 1}{2}, -\frac{4\, r\, r1}{r^2 - 2\, r\, r1 + r1^2}\Big]\Big)\Big/$$

$$\left(\sqrt{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 1]}\right)\Big)\, \mathrm{Sin}[\lambda 2]\Big)\Big) -$$

$$\frac{1}{r^2\left(r^2 - r1^2\right)}\, 72\, r1^5 \Big(\mathrm{Sin}[\lambda]\Big(-\frac{1}{2\, r\, r1}\, \mathrm{Cos}[\lambda 2]\Big(\Big(2\left(r^2 - 2\, r\, r1 + r1^2\right)$$

$$\sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 1]}{r^2 - 2\, r\, r1 + r1^2}}\, \mathrm{EllipticE}\Big[\frac{\theta 1}{2},$$

$$-\frac{4\, r\, r1}{r^2 - 2\, r\, r1 + r1^2}\Big]\Big)\Big/\left(\sqrt{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 1]}\right) -$$

$$\Big(2\left(r^2 + r1^2\right)\sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 1]}{r^2 - 2\, r\, r1 + r1^2}}\, \mathrm{EllipticF}\Big[\frac{\theta 1}{2},$$

$$-\frac{4\, r\, r1}{r^2 - 2\, r\, r1 + r1^2}\Big]\Big)\Big/\left(\sqrt{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 1]}\right)\Big) +$$

$$\Big(\sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 1]}{r^2 + r1^2}}\Big(-r^2 - r1^2 + r^2\sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 1]}{r^2 + r1^2}} +$$

$$r1^2\sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 1]}{r^2 + r1^2}}\Big)$$

$$\mathrm{Sin}[\lambda 2]\Big)\Big/\left(r\, r1\sqrt{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 1]}\right)\Big) +$$

$$\mathrm{Cos}[\lambda]\Big(\Big(\sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 1]}{r^2 + r1^2}}\Big(-r^2 - r1^2 + r^2$$

$$\sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 1]}{r^2 + r1^2}} + r1^2\sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 1]}{r^2 + r1^2}}\Big)$$

$$\mathrm{Cos}[\lambda 2]\Big)\Big/\left(r\, r1\sqrt{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 1]}\right) + \frac{1}{2\, r\, r1}$$

$$\Big(\Big(2\left(r^2 - 2\, r\, r1 + r1^2\right)\sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 1]}{r^2 - 2\, r\, r1 + r1^2}}\, \mathrm{EllipticE}\Big[$$

$$\frac{\theta 1}{2}, -\frac{4\, r\, r1}{r^2 - 2\, r\, r1 + r1^2}\Big]\Big) \Big/ \left(\sqrt{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 1]}\right) -$$

$$\left(2\left(r^2 + r1^2\right)\sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 1]}{r^2 - 2\, r\, r1 + r1^2}}\ \mathrm{EllipticF}\Big[\right.$$

$$\left.\frac{\theta 1}{2}, -\frac{4\, r\, r1}{r^2 - 2\, r\, r1 + r1^2}\Big]\right) \Big/$$

$$\left.\left(\sqrt{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 1]}\right)\right) \mathrm{Sin}[\lambda 2]\Bigg)\Bigg) +$$

$$\frac{1}{r^2 - r2^2}\, 36\, r2^3 \left(-\mathrm{Sin}[\lambda]\left(-\frac{1}{2\, r\, r2}\, \mathrm{Cos}[\lambda 2]\left(\left(2\left(r^2 - 2\, r\, r2 + r2^2\right)\right.\right.\right.\right.$$

$$\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 1]}{r^2 - 2\, r\, r2 + r2^2}}\ \mathrm{EllipticE}\Big[\frac{\theta 1}{2},$$

$$\left.-\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\Big]\right) \Big/ \left(\sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 1]}\right) -$$

$$\left(2\left(r^2 + r2^2\right)\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 1]}{r^2 - 2\, r\, r2 + r2^2}}\ \mathrm{EllipticF}\Big[\frac{\theta 1}{2},\right.$$

$$\left.-\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\Big]\right) \Big/ \left(\sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 1]}\right)\Bigg) -$$

$$\left(\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 1]}{r^2 + r2^2}}\left(-r^2 - r2^2 + r^2\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 1]}{r^2 + r2^2}} +\right.\right.$$

$$\left.\left. r2^2\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 1]}{r^2 + r2^2}}\right)\right.$$

$$\left.\mathrm{Sin}[\lambda 2]\right) \Big/ \left(r\, r2\sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 1]}\right)\Bigg) +$$

$$\mathrm{Cos}[\lambda]\left(\left(\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 1]}{r^2 + r2^2}}\left(-r^2 - r2^2 + r^2\right.\right.\right.$$

$$\left.\left.\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 1]}{r^2 + r2^2}} + r2^2\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 1]}{r^2 + r2^2}}\right)\right.$$

$$\text{Cos}[\lambda 2]\Big)\Big/\left(r\,r2\,\sqrt{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 1]}\right)-\frac{1}{2\,r\,r2}$$

$$\Bigg(\Bigg(2\left(r^2-2\,r\,r2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 1]}{r^2-2\,r\,r2+r2^2}}\;\text{EllipticE}\Big[$$

$$\frac{\theta 1}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\Bigg)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 1]}\right)-$$

$$\Bigg(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 1]}{r^2-2\,r\,r2+r2^2}}\;\text{EllipticF}\Big[$$

$$\frac{\theta 1}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\Bigg)\Big/$$

$$\left(\sqrt{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 1]}\right)\Bigg)\,\text{Sin}[\lambda 2]\Bigg)\Bigg)-$$

$$\frac{1}{r^2\left(r^2-r2^2\right)}\,72\,r2^5\Bigg(-\text{Sin}[\lambda]\Bigg(-\frac{1}{2\,r\,r2}\,\text{Cos}[\lambda 2]\Bigg(\Bigg(2\left(r^2-2\,r\,r2+r2^2\right)$$

$$\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 1]}{r^2-2\,r\,r2+r2^2}}\;\text{EllipticE}\Big[\frac{\theta 1}{2},$$

$$-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\Bigg)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 1]}\right)-$$

$$\Bigg(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 1]}{r^2-2\,r\,r2+r2^2}}\;\text{EllipticF}\Big[\frac{\theta 1}{2},$$

$$-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\Bigg)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 1]}\right)\Bigg)-$$

$$\Bigg(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 1]}{r^2+r2^2}}\Bigg(-r^2-r2^2+r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 1]}{r^2+r2^2}}+$$

$$r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 1]}{r^2+r2^2}}\Bigg)$$

$$\text{Sin}[\lambda 2]\Bigg)\Big/\left(r\,r2\,\sqrt{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 1]}\right)\Bigg)+$$

$$\mathrm{Cos}[\lambda]\left(\left(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}\left(-r^2-r2^2+r^2\right.\right.\right.$$

$$\left.\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}+r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}\right)$$

$$\left.\mathrm{Cos}[\lambda 2]\right)\Big/\left(r\,r2\,\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}\right)-\frac{1}{2\,r\,r2}$$

$$\left(\left(2\left(r^2-2\,r\,r2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r2+r2^2}}\,\mathrm{EllipticE}\Big[\right.\right.$$

$$\left.\frac{\theta 1}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}\right)-$$

$$\left(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r2+r2^2}}\,\mathrm{EllipticF}\Big[\right.$$

$$\left.\frac{\theta 1}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\right)\Big/$$

$$\left.\left.\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}\right)\right)\mathrm{Sin}[\lambda 2]\right)\right)-$$

$$\frac{1}{r^2-r2^2}\,36\,r2^3\left(\mathrm{Sin}[\lambda]\left(-\frac{1}{2\,r\,r2}\,\mathrm{Cos}[\lambda 2]\left(\left(2\left(r^2-2\,r\,r2+r2^2\right)\right.\right.\right.\right.$$

$$\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r2+r2^2}}\,\mathrm{EllipticE}\Big[\frac{\theta 1}{2},$$

$$\left.-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}\right)-$$

$$\left(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r2+r2^2}}\,\mathrm{EllipticF}\Big[\frac{\theta 1}{2},\right.$$

$$\left.\left.-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}\right)\right)+$$

$$\left(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}\left(-r^2-r2^2+r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}+\right.\right.$$

$$r2^2 \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 1]}{r^2 + r2^2}}\Bigg)$$

$$\mathrm{Sin}[\lambda 2]\Bigg) \Big/ \left(r\, r2\, \sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 1]}\right)\Bigg) +$$

$$\mathrm{Cos}[\lambda] \Bigg(\Bigg(\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 1]}{r^2 + r2^2}} \Bigg(-r^2 - r2^2 + r^2$$

$$\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 1]}{r^2 + r2^2}} + r2^2 \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 1]}{r^2 + r2^2}}\Bigg)$$

$$\mathrm{Cos}[\lambda 2]\Bigg) \Big/ \left(r\, r2\, \sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 1]}\right) + \frac{1}{2\, r\, r2}$$

$$\Bigg(\Bigg(2\left(r^2 - 2\, r\, r2 + r2^2\right) \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 1]}{r^2 - 2\, r\, r2 + r2^2}}\ \mathrm{EllipticE}\Big[$$

$$\frac{\theta 1}{2}, -\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\Big]\Bigg) \Big/ \left(\sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 1]}\right) -$$

$$\Bigg(2\left(r^2 + r2^2\right) \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 1]}{r^2 - 2\, r\, r2 + r2^2}}\ \mathrm{EllipticF}\Big[$$

$$\frac{\theta 1}{2}, -\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\Big]\Bigg) \Big/$$

$$\left(\sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 1]}\right)\Bigg)\ \mathrm{Sin}[\lambda 2]\Bigg)\Bigg) +$$

$$\frac{1}{r^2\left(r^2 - r2^2\right)}\ 72\, r2^5 \Bigg(\mathrm{Sin}[\lambda] \Bigg(-\frac{1}{2\, r\, r2}\ \mathrm{Cos}[\lambda 2] \Bigg(\Bigg(2\left(r^2 - 2\, r\, r2 + r2^2\right)$$

$$\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 1]}{r^2 - 2\, r\, r2 + r2^2}}\ \mathrm{EllipticE}\Big[\frac{\theta 1}{2},$$

$$-\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\Big]\Bigg) \Big/ \left(\sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 1]}\right) -$$

$$\Bigg(2\left(r^2 + r2^2\right) \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 1]}{r^2 - 2\, r\, r2 + r2^2}}\ \mathrm{EllipticF}\Big[\frac{\theta 1}{2},$$

$$-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\Big)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}\right)\Big)+$$

$$\left(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}\left(-r^2-r2^2+r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}+\right.\right.$$

$$\left.r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}\right)$$

$$\left.\mathrm{Sin}[\lambda 2]\right)\Big/\left(r\,r2\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}\right)\Big)+$$

$$\mathrm{Cos}[\lambda]\left(\left(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}\left(-r^2-r2^2+r^2\right.\right.\right.$$

$$\left.\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}+r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}\right)$$

$$\left.\mathrm{Cos}[\lambda 2]\right)\Big/\left(r\,r2\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}\right)+\frac{1}{2\,r\,r2}$$

$$\left(\left(2\left(r^2-2\,r\,r2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r2+r2^2}}\,\mathrm{EllipticE}\Big[\right.\right.$$

$$\left.\frac{\theta 1}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}\right)-$$

$$\left(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r2+r2^2}}\,\mathrm{EllipticF}\Big[\right.$$

$$\left.\frac{\theta 1}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\right)\Big/$$

$$\left.\left.\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}\right)\right)\mathrm{Sin}[\lambda 2]\right)\Big)-$$

$$\frac{1}{r^2-r1^2}\,32\,r^2\,r1\left(-\left((1+2\,\mathrm{Cos}[2\,\lambda])\,\mathrm{Sin}[\lambda]\left(-\frac{1}{2\,r\,r1}\,\mathrm{Cos}[3\,\lambda 2]\right.\right.\right.$$

$$\left(\left(2\left(r^2-2\,r\,r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r1+r1^2}}\,\mathrm{EllipticE}\Big[\frac{\theta 1}{2},\right.\right.$$

$$-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Big)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}\right)-$$

$$\left(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticF}\Big[\right.$$

$$\left.\frac{\theta1}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}\right)\Bigg)-$$

$$\left(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}{r^2+r1^2}}\left(-r^2-r1^2+r^2\right.\right.$$

$$\left.\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}{r^2+r1^2}}+r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}{r^2+r1^2}}\right)$$

$$\left.(1+2\,\mathrm{Cos}[2\,\lambda2])\,\mathrm{Sin}[\lambda2]\right)\Big/\left(r\,r1\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}\right)\Bigg)\Bigg)+$$

$$\mathrm{Cos}[\lambda]\,(-1+2\,\mathrm{Cos}[2\,\lambda])\left(\left(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}{r^2+r1^2}}\left(-r^2-r1^2+\right.\right.\right.$$

$$\left.r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}{r^2+r1^2}}+r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}{r^2+r1^2}}\right)$$

$$\left.\mathrm{Cos}[\lambda2]\,(-1+2\,\mathrm{Cos}[2\,\lambda2])\right)\Big/\left(r\,r1\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}\right)-$$

$$\frac{1}{2\,r\,r1}\left(\left(2\left(r^2-2\,r\,r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticE}\Big[\right.\right.$$

$$\left.\frac{\theta1}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}\right)-$$

$$\left(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticF}\Big[\right.$$

$$\left.\frac{\theta1}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\right)\Big/$$

$$\left.\left.\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}\right)\right)\mathrm{Sin}[3\,\lambda2]\right)\Bigg)+$$

$$\frac{1}{r^2 - r1^2}\, 12\, r1^3 \Bigg(- \Bigg((1 + 2\,\mathrm{Cos}[2\,\lambda])\, \mathrm{Sin}[\lambda] \Bigg(- \frac{1}{2\, r\, r1}\, \mathrm{Cos}[3\,\lambda 2]$$

$$\Bigg(\Bigg(2\,(r^2 - 2\, r\, r1 + r1^2)\, \sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 1]}{r^2 - 2\, r\, r1 + r1^2}}\, \mathrm{EllipticE}\Big[\frac{\theta 1}{2},$$

$$- \frac{4\, r\, r1}{r^2 - 2\, r\, r1 + r1^2}\Big]\Bigg) \Big/ \Big(\sqrt{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 1]}\Big) -$$

$$\Bigg(2\,(r^2 + r1^2)\, \sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 1]}{r^2 - 2\, r\, r1 + r1^2}}\, \mathrm{EllipticF}\Big[$$

$$\frac{\theta 1}{2}, - \frac{4\, r\, r1}{r^2 - 2\, r\, r1 + r1^2}\Big]\Bigg) \Big/ \Big(\sqrt{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 1]}\Big)\Bigg) -$$

$$\Bigg(\sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 1]}{r^2 + r1^2}}\, \Bigg(- r^2 - r1^2 + r^2$$

$$\sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 1]}{r^2 + r1^2}} + r1^2\, \sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 1]}{r^2 + r1^2}}\Bigg)$$

$$(1 + 2\,\mathrm{Cos}[2\,\lambda 2])\, \mathrm{Sin}[\lambda 2]\Bigg) \Big/ \Big(r\, r1\, \sqrt{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 1]}\Big)\Bigg)\Bigg) +$$

$$\mathrm{Cos}[\lambda]\, (-1 + 2\,\mathrm{Cos}[2\,\lambda])\, \Bigg(\Bigg(\sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 1]}{r^2 + r1^2}}\, \Bigg(- r^2 - r1^2 +$$

$$r^2\, \sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 1]}{r^2 + r1^2}} + r1^2\, \sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 1]}{r^2 + r1^2}}\Bigg)$$

$$\mathrm{Cos}[\lambda 2]\, (-1 + 2\,\mathrm{Cos}[2\,\lambda 2])\Bigg) \Big/ \Big(r\, r1\, \sqrt{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 1]}\Big) -$$

$$\frac{1}{2\, r\, r1}\, \Bigg(\Bigg(2\,(r^2 - 2\, r\, r1 + r1^2)\, \sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 1]}{r^2 - 2\, r\, r1 + r1^2}}\, \mathrm{EllipticE}\Big[$$

$$\frac{\theta 1}{2}, - \frac{4\, r\, r1}{r^2 - 2\, r\, r1 + r1^2}\Big]\Bigg) \Big/ \Big(\sqrt{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 1]}\Big) -$$

$$\Bigg(2\,(r^2 + r1^2)\, \sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 1]}{r^2 - 2\, r\, r1 + r1^2}}\, \mathrm{EllipticF}\Big[$$

$$\frac{\theta 1}{2}, -\frac{4\, r\, r1}{r^2 - 2\, r\, r1 + r1^2}\Big]\Big) \Big/$$

$$\left(\sqrt{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 1]}\right)\Big)\, \mathrm{Sin}[3\, \lambda 2]\Big)\Big) +$$

$$\frac{1}{r^2\left(r^2 - r1^2\right)}\, 8\, r1^5 \Big(-\Big((1 + 2\, \mathrm{Cos}[2\, \lambda])\, \mathrm{Sin}[\lambda]\, \Big(-\frac{1}{2\, r\, r1}\, \mathrm{Cos}[3\, \lambda 2]$$

$$\Big(\Big(2\left(r^2 - 2\, r\, r1 + r1^2\right) \sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 1]}{r^2 - 2\, r\, r1 + r1^2}}\, \mathrm{EllipticE}\Big[\frac{\theta 1}{2},$$

$$-\frac{4\, r\, r1}{r^2 - 2\, r\, r1 + r1^2}\Big]\Big) \Big/ \left(\sqrt{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 1]}\right) -$$

$$\Big(2\left(r^2 + r1^2\right) \sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 1]}{r^2 - 2\, r\, r1 + r1^2}}\, \mathrm{EllipticF}\Big[$$

$$\frac{\theta 1}{2}, -\frac{4\, r\, r1}{r^2 - 2\, r\, r1 + r1^2}\Big]\Big) \Big/ \left(\sqrt{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 1]}\right)\Big) -$$

$$\Big(\sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 1]}{r^2 + r1^2}}\, \Big(-r^2 - r1^2 + r^2$$

$$\sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 1]}{r^2 + r1^2}} + r1^2 \sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 1]}{r^2 + r1^2}}\Big)$$

$$(1 + 2\, \mathrm{Cos}[2\, \lambda 2])\, \mathrm{Sin}[\lambda 2]\Big) \Big/ \left(r\, r1\, \sqrt{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 1]}\right)\Big)\Big) +$$

$$\mathrm{Cos}[\lambda]\, (-1 + 2\, \mathrm{Cos}[2\, \lambda])\, \Big(\Big(\sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 1]}{r^2 + r1^2}}\, \Big(-r^2 - r1^2 +$$

$$r^2 \sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 1]}{r^2 + r1^2}} + r1^2 \sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 1]}{r^2 + r1^2}}\Big)$$

$$\mathrm{Cos}[\lambda 2]\, (-1 + 2\, \mathrm{Cos}[2\, \lambda 2])\Big) \Big/ \left(r\, r1\, \sqrt{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 1]}\right) -$$

$$\frac{1}{2\, r\, r1}\, \Big(\Big(2\left(r^2 - 2\, r\, r1 + r1^2\right) \sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 1]}{r^2 - 2\, r\, r1 + r1^2}}\, \mathrm{EllipticE}\Big[$$

$$\frac{\theta 1}{2}, -\frac{4\, r\, r1}{r^2 - 2\, r\, r1 + r1^2}\Big]\Big) \Big/ \left(\sqrt{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 1]}\right) -$$

$$\left(2\left(r^2 + r1^2\right)\sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 1]}{r^2 - 2\, r\, r1 + r1^2}}\ \mathrm{EllipticF}\Big[\right.$$

$$\left.\frac{\theta 1}{2}, -\frac{4\, r\, r1}{r^2 - 2\, r\, r1 + r1^2}\Big]\right) \Big/$$

$$\left.\left(\sqrt{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 1]}\right)\right) \mathrm{Sin}[3\, \lambda 2]\Big)\Big) +$$

$$\frac{1}{r^2 - r1^2}\, 32\, r^2\, r1 \Big(\left(1 + 2\, \mathrm{Cos}[2\, \lambda]\right) \mathrm{Sin}[\lambda] \Big(-\frac{1}{2\, r\, r1}\, \mathrm{Cos}[3\, \lambda 2]$$

$$\Big(\Big(2\left(r^2 - 2\, r\, r1 + r1^2\right)\sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 1]}{r^2 - 2\, r\, r1 + r1^2}}\ \mathrm{EllipticE}\Big[\frac{\theta 1}{2},$$

$$-\frac{4\, r\, r1}{r^2 - 2\, r\, r1 + r1^2}\Big]\Big) \Big/ \left(\sqrt{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 1]}\right) -$$

$$\Big(2\left(r^2 + r1^2\right)\sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 1]}{r^2 - 2\, r\, r1 + r1^2}}\ \mathrm{EllipticF}\Big[\frac{\theta 1}{2},$$

$$-\frac{4\, r\, r1}{r^2 - 2\, r\, r1 + r1^2}\Big]\Big) \Big/ \left(\sqrt{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 1]}\right)\Big) +$$

$$\Big(\sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 1]}{r^2 + r1^2}}\ \Big(-r^2 - r1^2 + r^2\sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 1]}{r^2 + r1^2}} +$$

$$r1^2\sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 1]}{r^2 + r1^2}}\Big)\left(1 + 2\, \mathrm{Cos}[2\, \lambda 2]\right) \mathrm{Sin}[\lambda 2]\Big) \Big/$$

$$\left(r\, r1\sqrt{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 1]}\right)\Big) + \mathrm{Cos}[\lambda]\ \left(-1 + 2\, \mathrm{Cos}[2\, \lambda]\right)$$

$$\Big(\Big(\sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 1]}{r^2 + r1^2}}\ \Big(-r^2 - r1^2 + r^2\sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 1]}{r^2 + r1^2}} +$$

$$r1^2\sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 1]}{r^2 + r1^2}}\Big)\ \mathrm{Cos}[\lambda 2]$$

$$(-1+2\,\mathrm{Cos}[2\,\lambda 2])\Big)\Big/\Big(r\,r1\,\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}\Big)+\frac{1}{2\,r\,r1}$$

$$\Bigg(\Bigg(2\,(r^2-2\,r\,r1+r1^2)\,\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticE}\Big[$$

$$\frac{\theta 1}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Bigg)\Big/\Big(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}\Big)-$$

$$\Bigg(2\,(r^2+r1^2)\,\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticF}\Big[$$

$$\frac{\theta 1}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Bigg)\Big/$$

$$\Big(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}\Big)\Bigg)\,\mathrm{Sin}[3\,\lambda 2]\Bigg)\Bigg)-$$

$$\frac{1}{r^2-r1^2}\,12\,r1^3\Bigg((1+2\,\mathrm{Cos}[2\,\lambda])\,\mathrm{Sin}[\lambda]\Bigg(-\frac{1}{2\,r\,r1}\,\mathrm{Cos}[3\,\lambda 2]$$

$$\Bigg(\Bigg(2\,(r^2-2\,r\,r1+r1^2)\,\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticE}\Big[\frac{\theta 1}{2},$$

$$-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Bigg)\Big/\Big(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}\Big)-$$

$$\Bigg(2\,(r^2+r1^2)\,\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticF}\Big[\frac{\theta 1}{2},$$

$$-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Bigg)\Big/\Big(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}\Big)\Bigg)+$$

$$\Bigg(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2+r1^2}}\;\Bigg(-r^2-r1^2+r^2\,\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2+r1^2}}+$$

$$r1^2\,\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2+r1^2}}\Bigg)\,(1+2\,\mathrm{Cos}[2\,\lambda 2])\,\mathrm{Sin}[\lambda 2]\Bigg)\Big/$$

$$\Big(r\,r1\,\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}\Big)\Bigg)+\mathrm{Cos}[\lambda]\,(-1+2\,\mathrm{Cos}[2\,\lambda])$$

$$\left(\left(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2+r1^2}}\left(-r^2-r1^2+r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2+r1^2}}+\right.\right.\right.$$

$$\left.r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2+r1^2}}\right)\mathrm{Cos}[\lambda 2]$$

$$\left.(-1+2\,\mathrm{Cos}[2\,\lambda 2])\right)\Big/\left(r\,r1\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}\right)+\frac{1}{2\,r\,r1}$$

$$\left(\left(2\left(r^2-2\,r\,r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r1+r1^2}}\,\mathrm{EllipticE}\Big[\right.\right.$$

$$\left.\frac{\theta 1}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}\right)-$$

$$\left(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r1+r1^2}}\,\mathrm{EllipticF}\Big[\right.$$

$$\left.\frac{\theta 1}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\right)\Big/$$

$$\left.\left.\left.\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}\right)\right)\mathrm{Sin}[3\,\lambda 2]\right)\right)-$$

$$\frac{1}{r^2\left(r^2-r1^2\right)}\,8\,r1^5\left((1+2\,\mathrm{Cos}[2\,\lambda])\,\mathrm{Sin}[\lambda]\left(-\frac{1}{2\,r\,r1}\,\mathrm{Cos}[3\,\lambda 2]\right.\right.$$

$$\left(\left(2\left(r^2-2\,r\,r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r1+r1^2}}\,\mathrm{EllipticE}\Big[\frac{\theta 1}{2},\right.\right.$$

$$\left.-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}\right)-$$

$$\left(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r1+r1^2}}\,\mathrm{EllipticF}\Big[\frac{\theta 1}{2},\right.$$

$$\left.\left.-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}\right)\right)+$$

$$\left(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2+r1^2}}\left(-r^2-r1^2+r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2+r1^2}}+\right.\right.$$

$$r1^2 \sqrt{\frac{r^2 + r1^2 - 2\, r\, r1 \operatorname{Cos}[\theta 1]}{r^2 + r1^2}}\Bigg) (1 + 2 \operatorname{Cos}[2\, \lambda 2])\, \operatorname{Sin}[\lambda 2]\Bigg) \Big/$$

$$\left(r\, r1\, \sqrt{r^2 + r1^2 - 2\, r\, r1 \operatorname{Cos}[\theta 1]}\right)\Bigg) + \operatorname{Cos}[\lambda]\, (-1 + 2 \operatorname{Cos}[2\, \lambda])$$

$$\Bigg(\Bigg(\sqrt{\frac{r^2 + r1^2 - 2\, r\, r1 \operatorname{Cos}[\theta 1]}{r^2 + r1^2}} \Bigg(-r^2 - r1^2 + r^2 \sqrt{\frac{r^2 + r1^2 - 2\, r\, r1 \operatorname{Cos}[\theta 1]}{r^2 + r1^2}} +$$

$$r1^2 \sqrt{\frac{r^2 + r1^2 - 2\, r\, r1 \operatorname{Cos}[\theta 1]}{r^2 + r1^2}}\Bigg) \operatorname{Cos}[\lambda 2]$$

$$(-1 + 2 \operatorname{Cos}[2\, \lambda 2])\Bigg) \Big/ \left(r\, r1\, \sqrt{r^2 + r1^2 - 2\, r\, r1 \operatorname{Cos}[\theta 1]}\right) + \frac{1}{2\, r\, r1}$$

$$\Bigg(\Bigg(2\, \left(r^2 - 2\, r\, r1 + r1^2\right) \sqrt{\frac{r^2 + r1^2 - 2\, r\, r1 \operatorname{Cos}[\theta 1]}{r^2 - 2\, r\, r1 + r1^2}}\, \operatorname{EllipticE}\Big[$$

$$\frac{\theta 1}{2}, -\frac{4\, r\, r1}{r^2 - 2\, r\, r1 + r1^2}\Big]\Bigg) \Big/ \left(\sqrt{r^2 + r1^2 - 2\, r\, r1 \operatorname{Cos}[\theta 1]}\right) -$$

$$\Bigg(2\, \left(r^2 + r1^2\right) \sqrt{\frac{r^2 + r1^2 - 2\, r\, r1 \operatorname{Cos}[\theta 1]}{r^2 - 2\, r\, r1 + r1^2}}\, \operatorname{EllipticF}\Big[$$

$$\frac{\theta 1}{2}, -\frac{4\, r\, r1}{r^2 - 2\, r\, r1 + r1^2}\Big]\Bigg) \Big/$$

$$\left(\sqrt{r^2 + r1^2 - 2\, r\, r1 \operatorname{Cos}[\theta 1]}\right)\Bigg) \operatorname{Sin}[3\, \lambda 2]\Bigg)\Bigg) +$$

$$\frac{1}{r^2 - r2^2}\, 32\, r^2\, r2 \Bigg(-\Bigg((1 + 2 \operatorname{Cos}[2\, \lambda])\, \operatorname{Sin}[\lambda] \Bigg(-\frac{1}{2\, r\, r2} \operatorname{Cos}[3\, \lambda 2]$$

$$\Bigg(\Bigg(2\, \left(r^2 - 2\, r\, r2 + r2^2\right) \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2 \operatorname{Cos}[\theta 1]}{r^2 - 2\, r\, r2 + r2^2}}\, \operatorname{EllipticE}\Big[\frac{\theta 1}{2},$$

$$-\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\Big]\Bigg) \Big/ \left(\sqrt{r^2 + r2^2 - 2\, r\, r2 \operatorname{Cos}[\theta 1]}\right) -$$

$$\Bigg(2\, \left(r^2 + r2^2\right) \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2 \operatorname{Cos}[\theta 1]}{r^2 - 2\, r\, r2 + r2^2}}\, \operatorname{EllipticF}\Big[$$

$$\frac{\theta 1}{2}, -\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\Big]\Big) \Big/ \left(\sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 1]}\right)\Big) -$$

$$\left(\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 1]}{r^2 + r2^2}}\left(-r^2 - r2^2 + r^2\right.\right.$$

$$\left.\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 1]}{r^2 + r2^2}} + r2^2 \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 1]}{r^2 + r2^2}}\right)$$

$$\left.(1 + 2\, \mathrm{Cos}[2\, \lambda 2])\, \mathrm{Sin}[\lambda 2]\right) \Big/ \left(r\, r2\, \sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 1]}\right)\Big)\Big) +$$

$$\mathrm{Cos}[\lambda]\, (-1 + 2\, \mathrm{Cos}[2\, \lambda])\, \Big(\Big(\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 1]}{r^2 + r2^2}}\Big(-r^2 - r2^2 +$$

$$r^2 \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 1]}{r^2 + r2^2}} + r2^2 \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 1]}{r^2 + r2^2}}\Big)$$

$$\mathrm{Cos}[\lambda 2]\, (-1 + 2\, \mathrm{Cos}[2\, \lambda 2])\Big) \Big/ \left(r\, r2\, \sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 1]}\right) -$$

$$\frac{1}{2\, r\, r2}\Big(\Big(2\, (r^2 - 2\, r\, r2 + r2^2)\, \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 1]}{r^2 - 2\, r\, r2 + r2^2}}\, \mathrm{EllipticE}\Big[$$

$$\frac{\theta 1}{2}, -\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\Big]\Big) \Big/ \left(\sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 1]}\right) -$$

$$\Big(2\, (r^2 + r2^2)\, \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 1]}{r^2 - 2\, r\, r2 + r2^2}}\, \mathrm{EllipticF}\Big[$$

$$\frac{\theta 1}{2}, -\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\Big]\Big) \Big/$$

$$\left(\sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 1]}\right)\Big)\, \mathrm{Sin}[3\, \lambda 2]\Big)\Big) -$$

$$\frac{1}{r^2 - r2^2}\, 12\, r2^3 \Big(-\Big((1 + 2\, \mathrm{Cos}[2\, \lambda])\, \mathrm{Sin}[\lambda]\, \Big(-\frac{1}{2\, r\, r2}\, \mathrm{Cos}[3\, \lambda 2]$$

$$\Big(\Big(2\, (r^2 - 2\, r\, r2 + r2^2)\, \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 1]}{r^2 - 2\, r\, r2 + r2^2}}\, \mathrm{EllipticE}\Big[\frac{\theta 1}{2},$$

$$-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\Big)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}\right)-$$

$$\left(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticF}\Big[\right.$$

$$\left.\frac{\theta 1}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}\right)\Bigg)-$$

$$\left(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}\left(-r^2-r2^2+r^2\right.\right.$$

$$\left.\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}+r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}\right)$$

$$\left.(1+2\,\mathrm{Cos}[2\,\lambda 2])\,\mathrm{Sin}[\lambda 2]\right)\Big/\left(r\,r2\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}\right)\Bigg)\Bigg)+$$

$$\mathrm{Cos}[\lambda]\,(-1+2\,\mathrm{Cos}[2\,\lambda])\left(\left(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}\left(-r^2-r2^2+\right.\right.\right.$$

$$\left.r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}+r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}\right)$$

$$\left.\mathrm{Cos}[\lambda 2]\,(-1+2\,\mathrm{Cos}[2\,\lambda 2])\right)\Big/\left(r\,r2\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}\right)-$$

$$\frac{1}{2\,r\,r2}\left(\left(2\left(r^2-2\,r\,r2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticE}\Big[\right.\right.$$

$$\left.\frac{\theta 1}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}\right)-$$

$$\left(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticF}\Big[\right.$$

$$\left.\frac{\theta 1}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\right)\Big/$$

$$\left.\left.\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}\right)\right)\mathrm{Sin}[3\,\lambda 2]\right)\Bigg)-$$

$$\frac{1}{r^2\left(r^2-r2^2\right)}\,8\,r2^5\left(-\left((1+2\,\mathrm{Cos}[2\,\lambda])\,\mathrm{Sin}[\lambda]\left(-\frac{1}{2\,r\,r2}\,\mathrm{Cos}[3\,\lambda2]\right.\right.\right.$$

$$\left(\left(2\left(r^2-2\,r\,r2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta1]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticE}\left[\frac{\theta1}{2},\right.\right.\right.$$

$$\left.\left.-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta1]}\right)-$$

$$\left(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta1]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticF}\left[\right.\right.$$

$$\left.\left.\left.\frac{\theta1}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta1]}\right)\right)-$$

$$\left(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta1]}{r^2+r2^2}}\left(-r^2-r2^2+r^2\right.\right.$$

$$\left.\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta1]}{r^2+r2^2}}+r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta1]}{r^2+r2^2}}\right)$$

$$\left.\left.\left.(1+2\,\mathrm{Cos}[2\,\lambda2])\,\mathrm{Sin}[\lambda2]\right)\Big/\left(r\,r2\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta1]}\right)\right)\right)+$$

$$\mathrm{Cos}[\lambda]\,(-1+2\,\mathrm{Cos}[2\,\lambda])\left(\left(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta1]}{r^2+r2^2}}\left(-r^2-r2^2+\right.\right.\right.$$

$$\left.r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta1]}{r^2+r2^2}}+r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta1]}{r^2+r2^2}}\right)$$

$$\left.\mathrm{Cos}[\lambda2]\,(-1+2\,\mathrm{Cos}[2\,\lambda2])\right)\Big/\left(r\,r2\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta1]}\right)-$$

$$\frac{1}{2\,r\,r2}\left(\left(2\left(r^2-2\,r\,r2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta1]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticE}\left[\right.\right.\right.$$

$$\left.\left.\frac{\theta1}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta1]}\right)-$$

$$\left(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta1]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticF}\left[\right.\right.$$

$$\frac{\theta 1}{2}, -\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\Big]\Big)\Big/$$

$$\left(\sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 1]}\right)\Big)\, \mathrm{Sin}[3\, \lambda 2]\Big)\Big) -$$

$$\frac{1}{r^2 - r2^2}\, 32\, r^2\, r2 \Big((1 + 2\, \mathrm{Cos}[2\, \lambda])\, \mathrm{Sin}[\lambda] \Big(-\frac{1}{2\, r\, r2}\, \mathrm{Cos}[3\, \lambda 2]$$

$$\Big(\Big(2\, (r^2 - 2\, r\, r2 + r2^2)\, \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 1]}{r^2 - 2\, r\, r2 + r2^2}}\, \mathrm{EllipticE}\Big[\frac{\theta 1}{2},$$

$$-\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\Big]\Big)\Big/\left(\sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 1]}\right) -$$

$$\Big(2\, (r^2 + r2^2)\, \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 1]}{r^2 - 2\, r\, r2 + r2^2}}\, \mathrm{EllipticF}\Big[\frac{\theta 1}{2},$$

$$-\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\Big]\Big)\Big/\left(\sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 1]}\right)\Big) +$$

$$\Big(\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 1]}{r^2 + r2^2}}\, \Big(-r^2 - r2^2 + r^2\, \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 1]}{r^2 + r2^2}} +$$

$$r2^2\, \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 1]}{r^2 + r2^2}}\Big)\, (1 + 2\, \mathrm{Cos}[2\, \lambda 2])\, \mathrm{Sin}[\lambda 2]\Big)\Big/$$

$$\left(r\, r2\, \sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 1]}\right)\Big) + \mathrm{Cos}[\lambda]\, (-1 + 2\, \mathrm{Cos}[2\, \lambda])$$

$$\Big(\Big(\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 1]}{r^2 + r2^2}}\, \Big(-r^2 - r2^2 + r^2\, \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 1]}{r^2 + r2^2}} +$$

$$r2^2\, \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 1]}{r^2 + r2^2}}\Big)\, \mathrm{Cos}[\lambda 2]$$

$$(-1 + 2\, \mathrm{Cos}[2\, \lambda 2])\Big)\Big/\left(r\, r2\, \sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 1]}\right) + \frac{1}{2\, r\, r2}$$

$$\Big(\Big(2\, (r^2 - 2\, r\, r2 + r2^2)\, \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 1]}{r^2 - 2\, r\, r2 + r2^2}}\, \mathrm{EllipticE}\Big[$$

$$\frac{\theta 1}{2}, -\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\Big]\Big) \Big/ \left(\sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 1]}\right) -$$

$$\left(2\left(r^2 + r2^2\right)\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 1]}{r^2 - 2\, r\, r2 + r2^2}}\ \mathrm{EllipticF}\Big[\right.$$

$$\left.\frac{\theta 1}{2}, -\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\Big]\right) \Big/$$

$$\left.\left(\sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 1]}\right)\right) \mathrm{Sin}[3\, \lambda 2]\Big)\Big) +$$

$$\frac{1}{r^2 - r2^2}\, 12\, r2^3 \Bigg((1 + 2\, \mathrm{Cos}[2\, \lambda])\, \mathrm{Sin}[\lambda] \Bigg(-\frac{1}{2\, r\, r2}\, \mathrm{Cos}[3\, \lambda 2]$$

$$\Bigg(\Bigg(2\left(r^2 - 2\, r\, r2 + r2^2\right)\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 1]}{r^2 - 2\, r\, r2 + r2^2}}\ \mathrm{EllipticE}\Big[\frac{\theta 1}{2},$$

$$-\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\Big]\Bigg) \Big/ \left(\sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 1]}\right) -$$

$$\Bigg(2\left(r^2 + r2^2\right)\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 1]}{r^2 - 2\, r\, r2 + r2^2}}\ \mathrm{EllipticF}\Big[\frac{\theta 1}{2},$$

$$-\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\Big]\Bigg) \Big/ \left(\sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 1]}\right)\Bigg) +$$

$$\Bigg(\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 1]}{r^2 + r2^2}}\ \Bigg(-r^2 - r2^2 + r^2\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 1]}{r^2 + r2^2}} +$$

$$r2^2\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 1]}{r^2 + r2^2}}\Bigg)\, (1 + 2\, \mathrm{Cos}[2\, \lambda 2])\, \mathrm{Sin}[\lambda 2]\Bigg) \Big/$$

$$\left(r\, r2\sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 1]}\right)\Bigg) + \mathrm{Cos}[\lambda]\, (-1 + 2\, \mathrm{Cos}[2\, \lambda])$$

$$\Bigg(\Bigg(\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 1]}{r^2 + r2^2}}\ \Bigg(-r^2 - r2^2 + r^2\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 1]}{r^2 + r2^2}} +$$

$$r2^2\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 1]}{r^2 + r2^2}}\Bigg)\, \mathrm{Cos}[\lambda 2]$$

$$(-1+2\,\mathrm{Cos}[2\,\lambda 2])\Big)\Big/\Big(r\,r2\,\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}\Big)+\frac{1}{2\,r\,r2}$$

$$\Bigg(\Bigg(2\,(r^2-2\,r\,r2+r2^2)\,\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticE}\Big[$$

$$\frac{\theta 1}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\Bigg)\Big/\Big(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}\Big)-$$

$$\Bigg(2\,(r^2+r2^2)\,\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticF}\Big[$$

$$\frac{\theta 1}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\Bigg)\Big/$$

$$\Big(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}\Big)\Bigg)\,\mathrm{Sin}[3\,\lambda 2]\Bigg)\Bigg)+$$

$$\frac{1}{r^2\,(r^2-r2^2)}\,8\,r2^5\,\Bigg((1+2\,\mathrm{Cos}[2\,\lambda])\,\mathrm{Sin}[\lambda]\,\Bigg(-\frac{1}{2\,r\,r2}\,\mathrm{Cos}[3\,\lambda 2]$$

$$\Bigg(\Bigg(2\,(r^2-2\,r\,r2+r2^2)\,\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticE}\Big[\frac{\theta 1}{2},$$

$$-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\Bigg)\Big/\Big(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}\Big)-$$

$$\Bigg(2\,(r^2+r2^2)\,\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticF}\Big[\frac{\theta 1}{2},$$

$$-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\Bigg)\Big/\Big(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}\Big)\Bigg)+$$

$$\Bigg(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}\,\Bigg(-r^2-r2^2+r^2\,\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}+$$

$$r2^2\,\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}\Bigg)\,(1+2\,\mathrm{Cos}[2\,\lambda 2])\,\mathrm{Sin}[\lambda 2]\Bigg)\Big/$$

$$\Big(r\,r2\,\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}\Big)\Bigg)+\mathrm{Cos}[\lambda]\,(-1+2\,\mathrm{Cos}[2\,\lambda])$$

$$\left(\left(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}\left(-r^2-r2^2+r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}+\right.\right.\right.$$

$$\left.r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}\right)\mathrm{Cos}[\lambda 2]$$

$$\left.(-1+2\,\mathrm{Cos}[2\,\lambda 2])\right)\Big/\left(r\,r2\,\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}\right)+\frac{1}{2\,r\,r2}$$

$$\left(\left(2\left(r^2-2\,r\,r2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r2+r2^2}}\,\mathrm{EllipticE}\Big[\right.\right.$$

$$\left.\frac{\theta 1}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}\right)-$$

$$\left(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r2+r2^2}}\,\mathrm{EllipticF}\Big[\right.$$

$$\left.\frac{\theta 1}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\right)\Big/$$

$$\left.\left.\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}\right)\right)\mathrm{Sin}[3\,\lambda 2]\right)\right)+$$

$$\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}\left(\left(2\left(-15\,r^2\,r1^3\,\mathrm{Cos}[\theta 1+3\,\lambda-3\,\lambda 1]-\right.\right.\right.$$

$$5\,r1^5\,\mathrm{Cos}[\theta 1+3\,\lambda-3\,\lambda 1]+9\,r^2\,r1^3\,\mathrm{Cos}[\theta 1+\lambda-\lambda 1]-$$
$$45\,r1^5\,\mathrm{Cos}[\theta 1+\lambda-\lambda 1]-9\,r^2\,r1^3\,\mathrm{Cos}[\theta 1-\lambda+\lambda 1]+$$
$$45\,r1^5\,\mathrm{Cos}[\theta 1-\lambda+\lambda 1]+15\,r^2\,r1^3\,\mathrm{Cos}[\theta 1-3\,\lambda+3\,\lambda 1]+$$
$$5\,r1^5\,\mathrm{Cos}[\theta 1-3\,\lambda+3\,\lambda 1]+15\,r^2\,r1^3\,\mathrm{Cos}[\theta 1+3\,\lambda-3\,\lambda 2]+$$
$$5\,r1^5\,\mathrm{Cos}[\theta 1+3\,\lambda-3\,\lambda 2]-9\,r^2\,r1^3\,\mathrm{Cos}[\theta 1+\lambda-\lambda 2]+$$
$$45\,r1^5\,\mathrm{Cos}[\theta 1+\lambda-\lambda 2]+9\,r^2\,r1^3\,\mathrm{Cos}[\theta 1-\lambda+\lambda 2]-$$
$$45\,r1^5\,\mathrm{Cos}[\theta 1-\lambda+\lambda 2]-15\,r^2\,r1^3\,\mathrm{Cos}[\theta 1-3\,\lambda+3\,\lambda 2]-$$
$$\left.5\,r1^5\,\mathrm{Cos}[\theta 1-3\,\lambda+3\,\lambda 2]\right)\Big)\Big/$$
$$\left(r^2\left(r^2-r1^2\right)\left(-r^2-r1^2+2\,r\,r1\,\mathrm{Cos}[\theta 1]\right)\right)+$$
$$\frac{1}{r^2\left(-r^2-r1^2+2\,r\,r1\,\mathrm{Cos}[\theta 1]\right)^2}$$
$$2\left(-r^2\,r1^3\,\mathrm{Cos}[\theta 1+3\,\lambda-3\,\lambda 1]+r1^5\,\mathrm{Cos}[\theta 1+3\,\lambda-3\,\lambda 1]-9\right.$$
$$r^2\,r1^3\,\mathrm{Cos}[\theta 1+\lambda-\lambda 1]+9\,r1^5\,\mathrm{Cos}[\theta 1+\lambda-\lambda 1]+9\,r^2$$
$$r1^3\,\mathrm{Cos}[\theta 1-\lambda+\lambda 1]-9\,r1^5\,\mathrm{Cos}[\theta 1-\lambda+\lambda 1]+r^2\,r1^3$$
$$\mathrm{Cos}[\theta 1-3\,\lambda+3\,\lambda 1]-r1^5\,\mathrm{Cos}[\theta 1-3\,\lambda+3\,\lambda 1]+r^2$$
$$r1^3\,\mathrm{Cos}[\theta 1+3\,\lambda-3\,\lambda 2]-r1^5\,\mathrm{Cos}[\theta 1+3\,\lambda-3\,\lambda 2]+9$$
$$r^2\,r1^3\,\mathrm{Cos}[\theta 1+\lambda-\lambda 2]-9\,r1^5\,\mathrm{Cos}[\theta 1+\lambda-\lambda 2]-9$$

$$r^2\, r1^3 \operatorname{Cos}[\theta 1-\lambda+\lambda 2]+9\, r1^5 \operatorname{Cos}[\theta 1-\lambda+\lambda 2]-r^2$$
$$r1^3 \operatorname{Cos}[\theta 1-3\lambda+3\lambda 2]+r1^5 \operatorname{Cos}[\theta 1-3\lambda+3\lambda 2]\big)-$$
$$\frac{1}{r^2-r1^2}\, 32 \operatorname{Csc}[\theta 1]\ (-2\, r1 \operatorname{Sin}[3\lambda-3\lambda 1]-r \operatorname{Sin}[\theta 1+3\lambda-3\lambda 1]+$$
$$r \operatorname{Sin}[\theta 1-3\lambda+3\lambda 1]+2\, r1 \operatorname{Sin}[3\lambda-3\lambda 2]+r$$
$$\operatorname{Sin}[\theta 1+3\lambda-3\lambda 2]-r \operatorname{Sin}[\theta 1-3\lambda+3\lambda 2])\Bigg)+$$
$$\sqrt{r^2+r2^2-2\, r\, r2 \operatorname{Cos}[\theta 1]}\ \Bigg(-\Big(\Big(2\ \Big(-15\, r^2\, r2^3 \operatorname{Cos}[\theta 1+3\lambda-3\lambda 1]-$$
$$5\, r2^5 \operatorname{Cos}[\theta 1+3\lambda-3\lambda 1]+9\, r^2\, r2^3 \operatorname{Cos}[\theta 1+\lambda-\lambda 1]-$$
$$45\, r2^5 \operatorname{Cos}[\theta 1+\lambda-\lambda 1]-9\, r^2\, r2^3 \operatorname{Cos}[\theta 1-\lambda+\lambda 1]+$$
$$45\, r2^5 \operatorname{Cos}[\theta 1-\lambda+\lambda 1]+15\, r^2\, r2^3 \operatorname{Cos}[\theta 1-3\lambda+3\lambda 1]+$$
$$5\, r2^5 \operatorname{Cos}[\theta 1-3\lambda+3\lambda 1]+15\, r^2\, r2^3 \operatorname{Cos}[\theta 1+3\lambda-3\lambda 2]+$$
$$5\, r2^5 \operatorname{Cos}[\theta 1+3\lambda-3\lambda 2]-9\, r^2\, r2^3 \operatorname{Cos}[\theta 1+\lambda-\lambda 2]+45\, r2^5$$
$$\operatorname{Cos}[\theta 1+\lambda-\lambda 2]+9\, r^2\, r2^3 \operatorname{Cos}[\theta 1-\lambda+\lambda 2]-45\, r2^5 \operatorname{Cos}[\theta 1-\lambda+\lambda 2]-$$
$$15\, r^2\, r2^3 \operatorname{Cos}[\theta 1-3\lambda+3\lambda 2]-5\, r2^5 \operatorname{Cos}[\theta 1-3\lambda+3\lambda 2]\Big)\Big)\Big/$$
$$\Big(r^2\ \big(r^2-r2^2\big)\ \big(-r^2-r2^2+2\, r\, r2 \operatorname{Cos}[\theta 1]\big)\Big)\Big)-$$
$$\frac{1}{r^2\ \big(-r^2-r2^2+2\, r\, r2 \operatorname{Cos}[\theta 1]\big)^2}\, 2\ \Big(-r^2\, r2^3 \operatorname{Cos}[\theta 1+3\lambda-3\lambda 1]+r2^5$$
$$\operatorname{Cos}[\theta 1+3\lambda-3\lambda 1]-9\, r^2\, r2^3 \operatorname{Cos}[\theta 1+\lambda-\lambda 1]+9\, r2^5$$
$$\operatorname{Cos}[\theta 1+\lambda-\lambda 1]+9\, r^2\, r2^3 \operatorname{Cos}[\theta 1-\lambda+\lambda 1]-9\, r2^5 \operatorname{Cos}[\theta 1-\lambda+\lambda 1]+r^2$$
$$r2^3 \operatorname{Cos}[\theta 1-3\lambda+3\lambda 1]-r2^5 \operatorname{Cos}[\theta 1-3\lambda+3\lambda 1]+r^2$$
$$r2^3 \operatorname{Cos}[\theta 1+3\lambda-3\lambda 2]-r2^5 \operatorname{Cos}[\theta 1+3\lambda-3\lambda 2]+9$$
$$r^2\, r2^3 \operatorname{Cos}[\theta 1+\lambda-\lambda 2]-9\, r2^5 \operatorname{Cos}[\theta 1+\lambda-\lambda 2]-9$$
$$r^2\, r2^3 \operatorname{Cos}[\theta 1-\lambda+\lambda 2]+9\, r2^5 \operatorname{Cos}[\theta 1-\lambda+\lambda 2]-r^2$$
$$r2^3 \operatorname{Cos}[\theta 1-3\lambda+3\lambda 2]+r2^5 \operatorname{Cos}[\theta 1-3\lambda+3\lambda 2]\Big)+$$
$$\frac{1}{r^2-r2^2}\, 32 \operatorname{Csc}[\theta 1]\ (-2\, r2 \operatorname{Sin}[3\lambda-3\lambda 1]-r \operatorname{Sin}[\theta 1+3\lambda-3\lambda 1]+$$
$$r \operatorname{Sin}[\theta 1-3\lambda+3\lambda 1]+2\, r2 \operatorname{Sin}[3\lambda-3\lambda 2]+r$$
$$\operatorname{Sin}[\theta 1+3\lambda-3\lambda 2]-r \operatorname{Sin}[\theta 1-3\lambda+3\lambda 2])\Bigg)\Bigg)+$$
$$\frac{1}{96\, r}\ \Bigg(\Bigg(64\, r\, r1^2\ \sqrt{\frac{r^2+r1^2-2\, r\, r1 \operatorname{Cos}[\theta 2]}{r^2-2\, r\, r1+r1^2}}\ \operatorname{EllipticF}\Big[\frac{\theta 2}{2},$$
$$-\frac{4\, r\, r1}{r^2-2\, r\, r1+r1^2}\Big] \operatorname{Sin}[$$
$$3\lambda-3\lambda 1]\Bigg)\Big/$$
$$\Big(\big(r^2-r1^2\big)\ \sqrt{r^2+r1^2-2\, r\, r1 \operatorname{Cos}[\theta 2]}\Big)-$$

$$\left(16\, r1^4 \sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 2]}{r^2 - 2\, r\, r1 + r1^2}}\right.$$

$$\mathrm{EllipticF}\left[\frac{\theta 2}{2},\right.$$

$$\left.-\frac{4\, r\, r1}{r^2 - 2\, r\, r1 + r1^2}\right] \mathrm{Sin}[$$

$$\left.3\, \lambda - 3\, \lambda 1]\right) \Big/$$

$$\left(r\, \left(r^2 - r1^2\right) \sqrt{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 2]}\right) -$$

$$\left(64\, r\, r2^2 \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}{r^2 - 2\, r\, r2 + r2^2}}\right.$$

$$\mathrm{EllipticF}\left[\frac{\theta 2}{2},\right.$$

$$\left.-\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\right] \mathrm{Sin}[$$

$$\left.3\, \lambda - 3\, \lambda 1]\right) \Big/$$

$$\left(\left(r^2 - r2^2\right) \sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}\right) +$$

$$\left(16\, r2^4 \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}{r^2 - 2\, r\, r2 + r2^2}}\right.$$

$$\mathrm{EllipticF}\left[\frac{\theta 2}{2},\right.$$

$$\left.-\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\right] \mathrm{Sin}[$$

$$\left.3\, \lambda - 3\, \lambda 1]\right) \Big/$$

$$\left(r\, \left(r^2 - r2^2\right) \sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}\right) -$$

$$\left(144\, r1^4 \sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 2]}{r^2 - 2\, r\, r1 + r1^2}}\right.$$

$$\mathrm{EllipticF}\left[\frac{\theta 2}{2},\right.$$

$$\left.-\frac{4\, r\, r1}{r^2 - 2\, r\, r1 + r1^2}\right] \mathrm{Sin}[$$

$$\left.\lambda - \lambda 1]\right) \Big/$$

$$\left(r\left(r^2-r1^2\right)\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\right)+$$

$$\left(144\,r2^4\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r2+r2^2}}\right.$$

$$\mathrm{EllipticF}\left[\frac{\theta 2}{2},\right.$$

$$\left.-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\mathrm{Sin}[$$

$$\left.\lambda-\lambda 1]\right)\Big/$$

$$\left(r\left(r^2-r2^2\right)\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}\right)+$$

$$\frac{1}{r^2-r1^2}$$

$$36$$

$$r1^3$$

$$\left(-\mathrm{Sin}[\lambda]\left(-\frac{1}{2\,r\,r1}\mathrm{Cos}[\lambda 1]\right.\right.$$

$$\left(\left(2\left(r^2-2\,r\,r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r1+r1^2}}\,\mathrm{EllipticE}\left[\frac{\theta 2}{2},\right.\right.\right.$$

$$\left.\left.-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\right)-$$

$$\left(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r1+r1^2}}\,\mathrm{EllipticF}\left[\frac{\theta 2}{2},\right.\right.$$

$$\left.\left.\left.-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\right)\right)-$$

$$\left(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}\left(-r^2-r1^2+r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}+\right.\right.$$

$$\left.r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}\right)$$

$$\left.\mathrm{Sin}[\lambda 1]\right)\Big/\left(r\,r1\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\right)\Bigg)+$$

$$\mathrm{Cos}[\lambda]\left(\left(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}\left(-r^2-r1^2+r^2\right.\right.\right.$$

$$\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}+r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}\Bigg)$$

$$\mathrm{Cos}[\lambda 1]\Bigg)\Big/\left(r\,r1\,\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\right)-$$

$$\frac{1}{2\,r\,r1}\Bigg(\Bigg(2\left(r^2-2\,r\,r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticE}\Big[$$

$$\frac{\theta 2}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Bigg)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\right)-$$

$$\Bigg(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticF}\Big[$$

$$\frac{\theta 2}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Bigg)\Big/$$

$$\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\right)\Bigg)\,\mathrm{Sin}[\lambda 1]\Bigg)\Bigg)-$$

$$\frac{1}{r^2\left(r^2-r1^2\right)}\,72\,r1^5\Bigg(-\mathrm{Sin}[\lambda]\Bigg(-\frac{1}{2\,r\,r1}\,\mathrm{Cos}[\lambda 1]\Bigg(\Bigg(2\left(r^2-2\,r\,r1+r1^2\right)$$

$$\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticE}\Big[\frac{\theta 2}{2},$$

$$-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Bigg)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\right)-$$

$$\Bigg(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticF}\Big[\frac{\theta 2}{2},$$

$$-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Bigg)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\right)\Bigg)-$$

$$\Bigg(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}\Bigg(-r^2-r1^2+r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}+$$

$$r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}\Bigg)$$

$$\text{Sin}[\lambda 1]\Big)\Big/\left(r\,r1\,\sqrt{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 2]}\right)\Big)+$$

$$\text{Cos}[\lambda]\left(\left(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 2]}{r^2+r1^2}}\left(-r^2-r1^2+r^2\right.\right.\right.$$

$$\left.\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 2]}{r^2+r1^2}}+r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 2]}{r^2+r1^2}}\right)$$

$$\text{Cos}[\lambda 1]\Big)\Big/\left(r\,r1\,\sqrt{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 2]}\right)-$$

$$\frac{1}{2\,r\,r1}\left(\left(2\left(r^2-2\,r\,r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 2]}{r^2-2\,r\,r1+r1^2}}\,\text{EllipticE}\Big[\right.\right.$$

$$\frac{\theta 2}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Big)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 2]}\right)-$$

$$\left(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 2]}{r^2-2\,r\,r1+r1^2}}\,\text{EllipticF}\Big[\right.$$

$$\frac{\theta 2}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Big)\Big/$$

$$\left.\left.\left(\sqrt{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 2]}\right)\right)\text{Sin}[\lambda 1]\right)\right)-$$

$$\frac{1}{r^2-r1^2}\,36\,r1^3\left(\text{Sin}[\lambda]\left(-\frac{1}{2\,r\,r1}\,\text{Cos}[\lambda 1]\left(\left(2\left(r^2-2\,r\,r1+r1^2\right)\right.\right.\right.\right.$$

$$\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 2]}{r^2-2\,r\,r1+r1^2}}\,\text{EllipticE}\Big[\frac{\theta 2}{2},$$

$$-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Big)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 2]}\right)-$$

$$\left(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 2]}{r^2-2\,r\,r1+r1^2}}\,\text{EllipticF}\Big[\frac{\theta 2}{2},\right.$$

$$\left.-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 2]}\right)\Big)+$$

$$\left(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}\left(-r^2-r1^2+r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}+r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}\right)\right.$$

$$\left.\mathrm{Sin}[\lambda 1]\right)\Big/\left(r\,r1\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\right)\Bigg)+$$

$$\mathrm{Cos}[\lambda]\left(\left(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}\left(-r^2-r1^2+r^2\right.\right.\right.$$

$$\left.\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}+r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}\right)$$

$$\left.\mathrm{Cos}[\lambda 1]\right)\Big/\left(r\,r1\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\right)+$$

$$\frac{1}{2\,r\,r1}\left(\left(2\left(r^2-2\,r\,r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r1+r1^2}}\,\mathrm{EllipticE}\left[\frac{\theta 2}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\right)-\right.$$

$$\left(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r1+r1^2}}\,\mathrm{EllipticF}\left[\frac{\theta 2}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\right)\Big/$$

$$\left.\left.\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\right)\right)\mathrm{Sin}[\lambda 1]\right)\Bigg)+$$

$$\frac{1}{r^2\left(r^2-r1^2\right)}\,72\,r1^5\left(\mathrm{Sin}[\lambda]\left(-\frac{1}{2\,r\,r1}\,\mathrm{Cos}[\lambda 1]\left(\left(2\left(r^2-2\,r\,r1+r1^2\right)\right.\right.\right.\right.$$

$$\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r1+r1^2}}\,\mathrm{EllipticE}\left[\frac{\theta 2}{2},\right.$$

$$\left.-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\Big)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\right)-$$

$$\left(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticF}\left[\frac{\theta 2}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\right)\Bigg)+$$

$$\left(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}\left(-r^2-r1^2+r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}+r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}\right)\right.$$

$$\left.\mathrm{Sin}[\lambda 1]\right)\Big/\left(r\,r1\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\right)\Bigg)+$$

$$\mathrm{Cos}[\lambda]\left(\left(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}\left(-r^2-r1^2+r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}+r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}\right)\right.\right.$$

$$\left.\mathrm{Cos}[\lambda 1]\right)\Big/\left(r\,r1\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\right)+$$

$$\frac{1}{2\,r\,r1}\left(\left(2\left(r^2-2\,r\,r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticE}\left[\frac{\theta 2}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\right)-\right.$$

$$\left(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticF}\left[\frac{\theta 2}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\right)\Big/$$

$$\left.\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\right)\right)\mathrm{Sin}[\lambda 1]\Bigg)\Bigg)-$$

$$\frac{1}{r^2-r2^2}\,36\,r2^3\left(-\mathrm{Sin}[\lambda]\left(-\frac{1}{2\,r\,r2}\,\mathrm{Cos}[\lambda 1]\left(\left(2\left(r^2-2\,r\,r2+r2^2\right)\right.\right.\right.\right.$$

$$\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r2+r2^2}}\ \mathrm{EllipticE}\Big[\frac{\theta 2}{2},$$

$$-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\Big)\Big/\Big(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}\Big)-$$

$$\Bigg(2\,(r^2+r2^2)\,\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r2+r2^2}}\ \mathrm{EllipticF}\Big[\frac{\theta 2}{2},$$

$$-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\Bigg)\Big/\Big(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}\Big)\Bigg)-$$

$$\Bigg(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2+r2^2}}\ \Bigg(-r^2-r2^2+r^2\,\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2+r2^2}}+$$

$$r2^2\,\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2+r2^2}}\Bigg)$$

$$\mathrm{Sin}[\lambda 1]\Bigg)\Big/\Big(r\,r2\,\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}\Big)\Bigg)+$$

$$\mathrm{Cos}[\lambda]\Bigg(\Bigg(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2+r2^2}}\ \Bigg(-r^2-r2^2+r^2$$

$$\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2+r2^2}}+r2^2\,\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2+r2^2}}\Bigg)$$

$$\mathrm{Cos}[\lambda 1]\Bigg)\Big/\Big(r\,r2\,\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}\Big)-$$

$$\frac{1}{2\,r\,r2}\Bigg(\Bigg(2\,(r^2-2\,r\,r2+r2^2)\,\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r2+r2^2}}\ \mathrm{EllipticE}\Big[$$

$$\frac{\theta 2}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\Bigg)\Big/\Big(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}\Big)-$$

$$\Bigg(2\,(r^2+r2^2)\,\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r2+r2^2}}\ \mathrm{EllipticF}\Big[$$

$$\frac{\theta 2}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\Bigg)\Big/$$

$$\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}\right)\Bigg)\,\mathrm{Sin}[\lambda 1]\Bigg)\Bigg)+$$

$$\frac{1}{r^2\left(r^2-r2^2\right)}\,72\,r2^5\Bigg(-\mathrm{Sin}[\lambda]\Bigg(-\frac{1}{2\,r\,r2}\,\mathrm{Cos}[\lambda 1]\Bigg(\Bigg(2\left(r^2-2\,r\,r2+r2^2\right)$$

$$\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticE}\Big[\frac{\theta 2}{2},$$

$$-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\Bigg)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}\right)-$$

$$\Bigg(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticF}\Big[\frac{\theta 2}{2},$$

$$-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\Bigg)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}\right)\Bigg)-$$

$$\Bigg(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2+r2^2}}\;\Bigg(-r^2-r2^2+r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2+r2^2}}+$$

$$r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2+r2^2}}\Bigg)$$

$$\mathrm{Sin}[\lambda 1]\Bigg)\Big/\left(r\,r2\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}\right)\Bigg)+$$

$$\mathrm{Cos}[\lambda]\Bigg(\Bigg(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2+r2^2}}\;\Bigg(-r^2-r2^2+r^2$$

$$\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2+r2^2}}+r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2+r2^2}}\Bigg)$$

$$\mathrm{Cos}[\lambda 1]\Bigg)\Big/\left(r\,r2\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}\right)-$$

$$\frac{1}{2\,r\,r2}\Bigg(\Bigg(2\left(r^2-2\,r\,r2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticE}\Big[$$

$$\frac{\theta 2}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\Bigg)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}\right)-$$

$$\left(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticF}\left[\frac{\theta 2}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}\right)\Bigg)\mathrm{Sin}[\lambda 1]\Bigg)\Bigg)+$$

$$\frac{1}{r^2-r2^2}\,36\,r2^3\left(\mathrm{Sin}[\lambda]\left(-\frac{1}{2\,r\,r2}\,\mathrm{Cos}[\lambda 1]\left(\left(2\left(r^2-2\,r\,r2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticE}\left[\frac{\theta 2}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}\right)-\right.\right.$$

$$\left.\left(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticF}\left[\frac{\theta 2}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}\right)\right)+$$

$$\left(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2+r2^2}}\left(-r^2-r2^2+r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2+r2^2}}+r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2+r2^2}}\right)\right.$$

$$\left.\mathrm{Sin}[\lambda 1]\right)\Big/\left(r\,r2\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}\right)\Bigg)+$$

$$\mathrm{Cos}[\lambda]\left(\left(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2+r2^2}}\left(-r^2-r2^2+r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2+r2^2}}+r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2+r2^2}}\right)\right.\right.$$

$$\left.\mathrm{Cos}[\lambda 1]\right)\Big/\left(r\,r2\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}\right)+$$

$$\frac{1}{2\,r\,r2}\left(\left(2\left(r^2-2\,r\,r2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta2]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticE}\left[\frac{\theta2}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta2]}\right)-\left(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta2]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticF}\left[\frac{\theta2}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta2]}\right)\right)\mathrm{Sin}[\lambda1]\right)\Bigg)-$$

$$\frac{1}{r^2\left(r^2-r2^2\right)}\,72\,r2^5\left(\mathrm{Sin}[\lambda]\left(-\frac{1}{2\,r\,r2}\,\mathrm{Cos}[\lambda1]\left(\left(2\left(r^2-2\,r\,r2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta2]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticE}\left[\frac{\theta2}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta2]}\right)-\left(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta2]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticF}\left[\frac{\theta2}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta2]}\right)\right)+\left(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta2]}{r^2+r2^2}}\left(-r^2-r2^2+r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta2]}{r^2+r2^2}}+r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta2]}{r^2+r2^2}}\right)\mathrm{Sin}[\lambda1]\right)\Big/\left(r\,r2\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta2]}\right)\right)+\mathrm{Cos}[\lambda]\left(\left(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta2]}{r^2+r2^2}}\left(-r^2-r2^2+r^2\right.\right.\right.$$

$$\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2+r2^2}}+r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2+r2^2}}\Bigg)$$

$$\mathrm{Cos}[\lambda 1]\Bigg)\Big/\left(r\,r2\,\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}\right)+$$

$$\frac{1}{2\,r\,r2}\Bigg(\Bigg(2\left(r^2-2\,r\,r2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticE}\Big[$$

$$\frac{\theta 2}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\Bigg)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}\right)-$$

$$\Bigg(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticF}\Big[$$

$$\frac{\theta 2}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\Bigg)\Big/$$

$$\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}\right)\Bigg)\,\mathrm{Sin}[\lambda 1]\Bigg)\Bigg)+$$

$$\frac{1}{r^2-r1^2}\,32\,r^2\,r1\Bigg(-\Bigg((1+2\,\mathrm{Cos}[2\,\lambda])\,\mathrm{Sin}[\lambda]\Bigg(-\frac{1}{2\,r\,r1}\,\mathrm{Cos}[3\,\lambda 1]$$

$$\Bigg(\Bigg(2\left(r^2-2\,r\,r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticE}\Big[\frac{\theta 2}{2},$$

$$-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Bigg)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\right)-$$

$$\Bigg(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticF}\Big[$$

$$\frac{\theta 2}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Bigg)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\right)\Bigg)-$$

$$\Bigg(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}\Bigg(-r^2-r1^2+r^2$$

$$\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}+r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}\Bigg)$$

$$(1+2\,\mathrm{Cos}[2\,\lambda 1])\,\mathrm{Sin}[\lambda 1]\Big)\Big/\Big(r\,r1\,\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\Big)\Big)\Big)+$$

$$\mathrm{Cos}[\lambda]\,(-1+2\,\mathrm{Cos}[2\,\lambda])\,\Bigg(\Bigg(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}\,\Bigg(-r^2-r1^2+$$

$$r^2\,\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}+r1^2\,\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}\Bigg)$$

$$\mathrm{Cos}[\lambda 1]\,(-1+2\,\mathrm{Cos}[2\,\lambda 1])\Bigg)\Big/\Big(r\,r1\,\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\Big)-$$

$$\frac{1}{2\,r\,r1}\,\Bigg(\Bigg(2\,\left(r^2-2\,r\,r1+r1^2\right)\,\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r1+r1^2}}\,\mathrm{EllipticE}\Big[$$

$$\frac{\theta 2}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Bigg)\Big/\Big(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\Big)-$$

$$\Bigg(2\,\left(r^2+r1^2\right)\,\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r1+r1^2}}\,\mathrm{EllipticF}\Big[$$

$$\frac{\theta 2}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Bigg)\Big/$$

$$\Big(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\Big)\Bigg)\,\mathrm{Sin}[3\,\lambda 1]\Bigg)\Bigg)-$$

$$\frac{1}{r^2-r1^2}\,12\,r1^3\,\Bigg(-\Bigg((1+2\,\mathrm{Cos}[2\,\lambda])\,\mathrm{Sin}[\lambda]\,\Bigg(-\frac{1}{2\,r\,r1}\,\mathrm{Cos}[3\,\lambda 1]$$

$$\Bigg(\Bigg(2\,\left(r^2-2\,r\,r1+r1^2\right)\,\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r1+r1^2}}\,\mathrm{EllipticE}\Big[\frac{\theta 2}{2},$$

$$-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Bigg)\Big/\Big(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\Big)-$$

$$\Bigg(2\,\left(r^2+r1^2\right)\,\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r1+r1^2}}\,\mathrm{EllipticF}\Big[$$

$$\frac{\theta 2}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Bigg)\Big/\Big(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\Big)\Bigg)-$$

$$\left(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}\left(-r^2-r1^2+r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}+r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}\right)(1+2\,\mathrm{Cos}[2\,\lambda 1])\,\mathrm{Sin}[\lambda 1]\right)\Big/\left(r\,r1\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\right)\Bigg)\Bigg)+$$

$$\mathrm{Cos}[\lambda]\,(-1+2\,\mathrm{Cos}[2\,\lambda])\left(\left(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}\left(-r^2-r1^2+r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}+r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}\right)\mathrm{Cos}[\lambda 1]\,(-1+2\,\mathrm{Cos}[2\,\lambda 1])\right)\Big/\left(r\,r1\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\right)-\right.$$

$$\frac{1}{2\,r\,r1}\left(\left(2\left(r^2-2\,r\,r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r1+r1^2}}\,\mathrm{EllipticE}\left[\frac{\theta 2}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\right)-\right.$$

$$\left(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r1+r1^2}}\,\mathrm{EllipticF}\left[\frac{\theta 2}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\right)\Big/$$

$$\left.\left.\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\right)\right)\mathrm{Sin}[3\,\lambda 1]\right)\Bigg)-$$

$$\frac{1}{r^2\left(r^2-r1^2\right)}\,8\,r1^5\left(-\left((1+2\,\mathrm{Cos}[2\,\lambda])\,\mathrm{Sin}[\lambda]\left(-\frac{1}{2\,r\,r1}\,\mathrm{Cos}[3\,\lambda 1]\right.\right.\right.$$

$$\left(\left(2\left(r^2-2\,r\,r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r1+r1^2}}\,\mathrm{EllipticE}\left[\frac{\theta 2}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\right)-\right.$$

$$\left(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticF}\left[\frac{\theta 2}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\right)\Bigg)-$$

$$\left(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}\left(-r^2-r1^2+r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}+r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}\right)\right.$$

$$\left.(1+2\,\mathrm{Cos}[2\,\lambda 1])\,\mathrm{Sin}[\lambda 1]\right)\Big/\left(r\,r1\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\right)\Bigg)\Bigg)+$$

$$\mathrm{Cos}[\lambda]\,(-1+2\,\mathrm{Cos}[2\,\lambda])\left(\left(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}\left(-r^2-r1^2+r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}+r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}\right)\right.\right.$$

$$\left.\mathrm{Cos}[\lambda 1]\,(-1+2\,\mathrm{Cos}[2\,\lambda 1])\right)\Big/\left(r\,r1\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\right)-$$

$$\frac{1}{2\,r\,r1}\left(\left(2\left(r^2-2\,r\,r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticE}\left[\frac{\theta 2}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\right)-\right.$$

$$\left(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticF}\left[\frac{\theta 2}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\right)\Big/$$

$$\left.\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\right)\right)\mathrm{Sin}[3\,\lambda 1]\Bigg)\Bigg)-$$

$$\frac{1}{r^2-r1^2}\,32\,r^2\,r1\left((1+2\,\mathrm{Cos}[2\,\lambda])\,\mathrm{Sin}[\lambda]\left(-\frac{1}{2\,r\,r1}\,\mathrm{Cos}[3\,\lambda 1]\right.\right.$$

$$\left(\left(2\left(r^2-2\,r\,r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticE}\left[\frac{\theta 2}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\right)-\left(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticF}\left[\frac{\theta 2}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\right)\right)+\left(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}\left(-r^2-r1^2+r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}+r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}\right)(1+2\,\mathrm{Cos}[2\,\lambda 1])\,\mathrm{Sin}[\lambda 1]\right)\Big/\left(r\,r1\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\right)\right)+\mathrm{Cos}[\lambda]\,(-1+2\,\mathrm{Cos}[2\,\lambda])\left(\left(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}\left(-r^2-r1^2+r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}+r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}\right)\mathrm{Cos}[\lambda 1]\,(-1+2\,\mathrm{Cos}[2\,\lambda 1])\right)\Big/\left(r\,r1\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\right)+\frac{1}{2\,r\,r1}\left(\left(2\left(r^2-2\,r\,r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticE}\left[\frac{\theta 2}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\right)-\left(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticF}\left[\frac{\theta 2}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\right)\Big/$$

$$\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\right)\Bigg)\,\mathrm{Sin}[3\,\lambda 1]\Bigg)\Bigg)+$$

$$\frac{1}{r^2-r1^2}\,12\,r1^3\Bigg((1+2\,\mathrm{Cos}[2\,\lambda])\,\mathrm{Sin}[\lambda]\Bigg(-\frac{1}{2\,r\,r1}\,\mathrm{Cos}[3\,\lambda 1]$$

$$\Bigg(\Bigg(2\left(r^2-2\,r\,r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticE}\Big[\frac{\theta 2}{2},$$

$$-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Bigg)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\right)-$$

$$\Bigg(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticF}\Big[\frac{\theta 2}{2},$$

$$-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Bigg)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\right)\Bigg)+$$

$$\Bigg(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}\;\Bigg(-r^2-r1^2+r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}+$$

$$r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}\Bigg)\,(1+2\,\mathrm{Cos}[2\,\lambda 1])$$

$$\mathrm{Sin}[\lambda 1]\Bigg)\Big/\left(r\,r1\,\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\right)\Bigg)+$$

$$\mathrm{Cos}[\lambda]\,(-1+2\,\mathrm{Cos}[2\,\lambda])\Bigg(\Bigg(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}\;\Bigg(-r^2-r1^2+$$

$$r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}+r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}\Bigg)$$

$$\mathrm{Cos}[\lambda 1]\,(-1+2\,\mathrm{Cos}[2\,\lambda 1])\Bigg)\Big/\left(r\,r1\,\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\right)+$$

$$\frac{1}{2\,r\,r1}\Bigg(\Bigg(2\left(r^2-2\,r\,r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticE}\Big[$$

$$\frac{\theta 2}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Bigg)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\right)-$$

$$\left(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticF}\left[\frac{\theta 2}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\right)\mathrm{Sin}[3\,\lambda 1]\Bigg)\Bigg)+$$

$$\frac{1}{r^2\left(r^2-r1^2\right)}\,8\,r1^5\Bigg((1+2\,\mathrm{Cos}[2\,\lambda])\,\mathrm{Sin}[\lambda]\Bigg(-\frac{1}{2\,r\,r1}\,\mathrm{Cos}[3\,\lambda 1]$$

$$\Bigg(\left(2\left(r^2-2\,r\,r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticE}\left[\frac{\theta 2}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\right)-$$

$$\left(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticF}\left[\frac{\theta 2}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\right)\Bigg)+$$

$$\Bigg(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}\left(-r^2-r1^2+r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}+r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}\right)(1+2\,\mathrm{Cos}[2\,\lambda 1])$$

$$\mathrm{Sin}[\lambda 1]\Bigg)\Big/\left(r\,r1\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\right)\Bigg)+$$

$$\mathrm{Cos}[\lambda]\,(-1+2\,\mathrm{Cos}[2\,\lambda])\Bigg(\Bigg(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}\left(-r^2-r1^2+r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}+r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}\right)$$

$$\mathrm{Cos}[\lambda 1]\,(-1+2\,\mathrm{Cos}[2\,\lambda 1])\Bigg)\Big/\left(r\,r1\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\right)+$$

$$\frac{1}{2\,r\,r1}\left(\left(2\left(r^2-2\,r\,r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticE}\left[\frac{\theta 2}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\right)-\left(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticF}\left[\frac{\theta 2}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\right)\right)\mathrm{Sin}[3\,\lambda 1]\right)\right)-$$

$$\frac{1}{r^2-r2^2}\,32\,r^2\,r2\left(-\left((1+2\,\mathrm{Cos}[2\,\lambda])\,\mathrm{Sin}[\lambda]\left(-\frac{1}{2\,r\,r2}\,\mathrm{Cos}[3\,\lambda 1]\right.\right.\right.$$

$$\left(\left(2\left(r^2-2\,r\,r2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticE}\left[\frac{\theta 2}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}\right)-\left(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticF}\left[\frac{\theta 2}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}\right)\right)-$$

$$\left(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2+r2^2}}\left(-r^2-r2^2+r^2\right.\right.$$

$$\left.\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2+r2^2}}+r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2+r2^2}}\right)$$

$$\left.\left.(1+2\,\mathrm{Cos}[2\,\lambda 1])\,\mathrm{Sin}[\lambda 1]\right)\Big/\left(r\,r2\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}\right)\right)\right)+$$

$$\mathrm{Cos}[\lambda]\,(-1+2\,\mathrm{Cos}[2\,\lambda])\left(\left(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2+r2^2}}\left(-r^2-r2^2+\right.\right.\right.$$

$$r^2 \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}{r^2 + r2^2}} + r2^2 \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}{r^2 + r2^2}}\Bigg)$$

$$\mathrm{Cos}[\lambda 1]\ (-1 + 2\, \mathrm{Cos}[2\, \lambda 1])\Bigg) \Big/ \left(r\, r2\, \sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}\right) -$$

$$\frac{1}{2\, r\, r2} \Bigg(\Bigg(2\, \left(r^2 - 2\, r\, r2 + r2^2\right) \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}{r^2 - 2\, r\, r2 + r2^2}}\ \mathrm{EllipticE}\Big[$$

$$\frac{\theta 2}{2}, -\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\Big]\Bigg) \Big/ \left(\sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}\right) -$$

$$\Bigg(2\, \left(r^2 + r2^2\right) \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}{r^2 - 2\, r\, r2 + r2^2}}\ \mathrm{EllipticF}\Big[$$

$$\frac{\theta 2}{2}, -\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\Big]\Bigg) \Big/$$

$$\left(\sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}\right)\Bigg)\ \mathrm{Sin}[3\, \lambda 1]\Bigg)\Bigg) +$$

$$\frac{1}{r^2 - r2^2}\ 12\, r2^3 \Bigg(-\Bigg((1 + 2\, \mathrm{Cos}[2\, \lambda])\ \mathrm{Sin}[\lambda]\ \Bigg(-\frac{1}{2\, r\, r2}\ \mathrm{Cos}[3\, \lambda 1]$$

$$\Bigg(\Bigg(2\, \left(r^2 - 2\, r\, r2 + r2^2\right) \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}{r^2 - 2\, r\, r2 + r2^2}}\ \mathrm{EllipticE}\Big[\frac{\theta 2}{2},$$

$$-\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\Big]\Bigg) \Big/ \left(\sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}\right) -$$

$$\Bigg(2\, \left(r^2 + r2^2\right) \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}{r^2 - 2\, r\, r2 + r2^2}}\ \mathrm{EllipticF}\Big[$$

$$\frac{\theta 2}{2}, -\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\Big]\Bigg) \Big/ \left(\sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}\right)\Bigg) -$$

$$\Bigg(\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}{r^2 + r2^2}}\ \Bigg(-r^2 - r2^2 + r^2$$

$$\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}{r^2 + r2^2}} + r2^2 \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}{r^2 + r2^2}}\Bigg)$$

$$(1+2\,\mathrm{Cos}[2\,\lambda 1])\,\mathrm{Sin}[\lambda 1]\Big)\Big/\Big(r\,r2\,\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}\Big)\Big)\Big)+$$

$$\mathrm{Cos}[\lambda]\,(-1+2\,\mathrm{Cos}[2\,\lambda])\,\Bigg(\Bigg(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2+r2^2}}\,\Bigg(-r^2-r2^2+$$

$$r^2\,\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2+r2^2}}+r2^2\,\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2+r2^2}}\Bigg)$$

$$\mathrm{Cos}[\lambda 1]\,(-1+2\,\mathrm{Cos}[2\,\lambda 1])\Big)\Big/\Big(r\,r2\,\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}\Big)-$$

$$\frac{1}{2\,r\,r2}\,\Bigg(\Bigg(2\,\left(r^2-2\,r\,r2+r2^2\right)\,\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r2+r2^2}}\,\mathrm{EllipticE}\Big[$$

$$\frac{\theta 2}{2},\,-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\Bigg)\Big/\Big(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}\Big)-$$

$$\Bigg(2\,\left(r^2+r2^2\right)\,\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r2+r2^2}}\,\mathrm{EllipticF}\Big[$$

$$\frac{\theta 2}{2},\,-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\Bigg)\Big/$$

$$\Big(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}\Big)\Bigg)\,\mathrm{Sin}[3\,\lambda 1]\Bigg)\Bigg)+$$

$$\frac{1}{r^2\,\left(r^2-r2^2\right)}\,8\,r2^5\,\Bigg(-\Bigg((1+2\,\mathrm{Cos}[2\,\lambda])\,\mathrm{Sin}[\lambda]\,\Bigg(-\frac{1}{2\,r\,r2}\,\mathrm{Cos}[3\,\lambda 1]$$

$$\Bigg(\Bigg(2\,\left(r^2-2\,r\,r2+r2^2\right)\,\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r2+r2^2}}\,\mathrm{EllipticE}\Big[\frac{\theta 2}{2},$$

$$-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\Bigg)\Big/\Big(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}\Big)-$$

$$\Bigg(2\,\left(r^2+r2^2\right)\,\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r2+r2^2}}\,\mathrm{EllipticF}\Big[$$

$$\frac{\theta 2}{2},\,-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\Bigg)\Big/\Big(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}\Big)\Bigg)-$$

$$\left(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2+r2^2}}\left(-r^2-r2^2+r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2+r2^2}}+r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2+r2^2}}\right)(1+2\,\mathrm{Cos}[2\,\lambda 1])\,\mathrm{Sin}[\lambda 1]\right)\Big/\left(r\,r2\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}\right)\Bigg)\Bigg)+$$

$$\mathrm{Cos}[\lambda]\,(-1+2\,\mathrm{Cos}[2\,\lambda])\left(\left(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2+r2^2}}\left(-r^2-r2^2+r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2+r2^2}}+r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2+r2^2}}\right)\mathrm{Cos}[\lambda 1]\,(-1+2\,\mathrm{Cos}[2\,\lambda 1])\right)\Big/\left(r\,r2\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}\right)-\right.$$

$$\frac{1}{2\,r\,r2}\left(\left(2\left(r^2-2\,r\,r2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r2+r2^2}}\,\mathrm{EllipticE}\left[\frac{\theta 2}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}\right)-\right.$$

$$\left(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r2+r2^2}}\,\mathrm{EllipticF}\left[\frac{\theta 2}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Big/$$

$$\left.\left.\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}\right)\right)\mathrm{Sin}[3\,\lambda 1]\right)\Bigg)+$$

$$\frac{1}{r^2-r2^2}\,32\,r^2\,r2\left((1+2\,\mathrm{Cos}[2\,\lambda])\,\mathrm{Sin}[\lambda]\left(-\frac{1}{2\,r\,r2}\,\mathrm{Cos}[3\,\lambda 1]\right.\right.$$

$$\left(\left(2\left(r^2-2\,r\,r2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r2+r2^2}}\,\mathrm{EllipticE}\left[\frac{\theta 2}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}\right)-\right.$$

$$\left(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticF}\left[\frac{\theta 2}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}\right)\Bigg)+$$

$$\left(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2+r2^2}}\left(-r^2-r2^2+r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2+r2^2}}+r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2+r2^2}}\right)(1+2\,\mathrm{Cos}[2\,\lambda 1])\right.$$

$$\left.\mathrm{Sin}[\lambda 1]\right)\Big/\left(r\,r2\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}\right)\Bigg)+$$

$$\mathrm{Cos}[\lambda]\,(-1+2\,\mathrm{Cos}[2\,\lambda])\left(\left(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2+r2^2}}\left(-r^2-r2^2+r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2+r2^2}}+r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2+r2^2}}\right)\right.\right.$$

$$\left.\mathrm{Cos}[\lambda 1]\,(-1+2\,\mathrm{Cos}[2\,\lambda 1])\right)\Big/\left(r\,r2\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}\right)+$$

$$\frac{1}{2\,r\,r2}\left(\left(2\left(r^2-2\,r\,r2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticE}\left[\frac{\theta 2}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}\right)-\right.$$

$$\left(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticF}\left[\frac{\theta 2}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Big/$$

$$\left.\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}\right)\right)\mathrm{Sin}[3\,\lambda 1]\Bigg)\Bigg)-$$

$$\frac{1}{r^2-r2^2}\,12\,r2^3\left((1+2\,\mathrm{Cos}[2\,\lambda])\,\mathrm{Sin}[\lambda]\left(-\frac{1}{2\,r\,r2}\,\mathrm{Cos}[3\,\lambda 1]\right.\right.$$

$$\left(\left(2\left(r^2-2\,r\,r2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticE}\left[\frac{\theta 2}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}\right)-\left(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticF}\left[\frac{\theta 2}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}\right)\right)+\left(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2+r2^2}}\left(-r^2-r2^2+r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2+r2^2}}+r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2+r2^2}}\right)(1+2\,\mathrm{Cos}[2\,\lambda 1])\,\mathrm{Sin}[\lambda 1]\right)\Big/\left(r\,r2\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}\right)\right)+\mathrm{Cos}[\lambda]\,(-1+2\,\mathrm{Cos}[2\,\lambda])\left(\left(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2+r2^2}}\left(-r^2-r2^2+r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2+r2^2}}+r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2+r2^2}}\right)\mathrm{Cos}[\lambda 1]\,(-1+2\,\mathrm{Cos}[2\,\lambda 1])\right)\Big/\left(r\,r2\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}\right)+\frac{1}{2\,r\,r2}\left(\left(2\left(r^2-2\,r\,r2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticE}\left[\frac{\theta 2}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}\right)-\left(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticF}\left[\frac{\theta 2}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Big/$$

$$\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}\right)\Bigg)\,\mathrm{Sin}[3\,\lambda 1]\Bigg)\Bigg)-$$

$$\frac{1}{r^2\left(r^2-r2^2\right)}\,8\,r2^5\Bigg((1+2\,\mathrm{Cos}[2\,\lambda])\,\mathrm{Sin}[\lambda]\Bigg(-\frac{1}{2\,r\,r2}\,\mathrm{Cos}[3\,\lambda 1]$$

$$\Bigg(\Bigg(2\left(r^2-2\,r\,r2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticE}\Big[\frac{\theta 2}{2},$$

$$-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\Bigg)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}\right)-$$

$$\Bigg(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticF}\Big[\frac{\theta 2}{2},$$

$$-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\Bigg)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}\right)\Bigg)+$$

$$\Bigg(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2+r2^2}}\;\Bigg(-r^2-r2^2+r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2+r2^2}}+$$

$$r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2+r2^2}}\Bigg)\,(1+2\,\mathrm{Cos}[2\,\lambda 1])$$

$$\mathrm{Sin}[\lambda 1]\Bigg)\Big/\left(r\,r2\,\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}\right)\Bigg)+$$

$$\mathrm{Cos}[\lambda]\,(-1+2\,\mathrm{Cos}[2\,\lambda])\Bigg(\Bigg(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2+r2^2}}\;\Bigg(-r^2-r2^2+$$

$$r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2+r2^2}}+r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2+r2^2}}\Bigg)$$

$$\mathrm{Cos}[\lambda 1]\,(-1+2\,\mathrm{Cos}[2\,\lambda 1])\Bigg)\Big/\left(r\,r2\,\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}\right)+$$

$$\frac{1}{2\,r\,r2}\Bigg(\Bigg(2\left(r^2-2\,r\,r2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticE}\Big[$$

$$\frac{\theta 2}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\Bigg)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}\right)-$$

$$\left(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticF}\left[\frac{\theta 2}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}\right)\Bigg)\,\mathrm{Sin}[3\,\lambda 1]\Bigg)\Bigg)-$$

$$\left(64\,r\,r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticF}\left[\frac{\theta 2}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\mathrm{Sin}[3\,\lambda-3\,\lambda 2]\right)\Big/\left(\left(r^2-r1^2\right)\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\right)+$$

$$\left(16\,r1^4\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticF}\left[\frac{\theta 2}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\mathrm{Sin}[3\,\lambda-3\,\lambda 2]\right)\Big/\left(r\left(r^2-r1^2\right)\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\right)+$$

$$\left(64\,r\,r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticF}\left[\frac{\theta 2}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\mathrm{Sin}[3\,\lambda-3\,\lambda 2]\right)\Big/\left(\left(r^2-r2^2\right)\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}\right)-$$

$$\left(16\,r2^4\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticF}\left[\frac{\theta 2}{2},\right.\right.$$

$$-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\,\mathrm{Sin}[$$

$$3\,\lambda-3\,\lambda2]\Big)\Big/$$

$$\left(r\,\left(r^2-r2^2\right)\,\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta2]}\right)+$$

$$\Bigg(144\,r1^4\,\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta2]}{r^2-2\,r\,r1+r1^2}}$$

$$\mathrm{EllipticF}\Big[\frac{\theta2}{2},$$

$$-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\,\mathrm{Sin}[$$

$$\lambda-\lambda2]\Bigg)\Big/$$

$$\left(r\,\left(r^2-r1^2\right)\,\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta2]}\right)-$$

$$\Bigg(144\,r2^4\,\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta2]}{r^2-2\,r\,r2+r2^2}}$$

$$\mathrm{EllipticF}\Big[\frac{\theta2}{2},$$

$$-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\,\mathrm{Sin}[$$

$$\lambda-\lambda2]\Bigg)\Big/$$

$$\left(r\,\left(r^2-r2^2\right)\,\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta2]}\right)-\frac{1}{r^2-r1^2}$$

$$36$$

$$r1^3$$

$$\Bigg(-\mathrm{Sin}[\lambda]\,\Bigg(-\frac{1}{2\,r\,r1}\,\mathrm{Cos}[\lambda2]$$

$$\Bigg(\Bigg(2\,\left(r^2-2\,r\,r1+r1^2\right)\,\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta2]}{r^2-2\,r\,r1+r1^2}}\,\mathrm{EllipticE}\Big[\frac{\theta2}{2},$$

$$-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Bigg)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta2]}\right)-$$

$$\Bigg(2\,\left(r^2+r1^2\right)\,\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta2]}{r^2-2\,r\,r1+r1^2}}\,\mathrm{EllipticF}\Big[\frac{\theta2}{2},$$

$$-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Big)\Big/\Big(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\Big)\Big)-$$

$$\Big(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}\Big(-r^2-r1^2+r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}+$$

$$r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}\Big)$$

$$\mathrm{Sin}[\lambda 2]\Big)\Big/\Big(r\,r1\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\Big)\Big)+$$

$$\mathrm{Cos}[\lambda]\Big(\Big(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}\Big(-r^2-r1^2+r^2$$

$$\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}+r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}\Big)$$

$$\mathrm{Cos}[\lambda 2]\Big)\Big/\Big(r\,r1\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\Big)-$$

$$\frac{1}{2\,r\,r1}\Big(\Big(2\,(r^2-2\,r\,r1+r1^2)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r1+r1^2}}\,\mathrm{EllipticE}\Big[$$

$$\frac{\theta 2}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Big)\Big/\Big(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\Big)-$$

$$\Big(2\,(r^2+r1^2)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r1+r1^2}}\,\mathrm{EllipticF}\Big[$$

$$\frac{\theta 2}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Big)\Big/$$

$$\Big(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\Big)\Big)\,\mathrm{Sin}[\lambda 2]\Big)\Big)+$$

$$\frac{1}{r^2\,(r^2-r1^2)}\,72\,r1^5\Big(-\mathrm{Sin}[\lambda]\Big(-\frac{1}{2\,r\,r1}\,\mathrm{Cos}[\lambda 2]\Big(\Big(2\,(r^2-2\,r\,r1+r1^2)$$

$$\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r1+r1^2}}\,\mathrm{EllipticE}\Big[\frac{\theta 2}{2},$$

$$-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Big)\Big/\Big(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\Big)-$$

$$\Big(2\,(r^2+r1^2)\,\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticF}\Big[\frac{\theta 2}{2},$$

$$-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Big)\Big/\Big(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\Big)\Big)-$$

$$\Big(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}\;\Big(-r^2-r1^2+r^2\,\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}+$$

$$r1^2\,\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}\Big)$$

$$\mathrm{Sin}[\lambda 2]\Big)\Big/\Big(r\,r1\,\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\Big)\Big)+$$

$$\mathrm{Cos}[\lambda]\,\Big(\Big(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}\;\Big(-r^2-r1^2+r^2$$

$$\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}+r1^2\,\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}\Big)$$

$$\mathrm{Cos}[\lambda 2]\Big)\Big/\Big(r\,r1\,\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\Big)-$$

$$\frac{1}{2\,r\,r1}\Big(\Big(2\,(r^2-2\,r\,r1+r1^2)\,\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticE}\Big[$$

$$\frac{\theta 2}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Big)\Big/\Big(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\Big)-$$

$$\Big(2\,(r^2+r1^2)\,\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticF}\Big[$$

$$\frac{\theta 2}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Big)\Big/$$

$$\Big(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\Big)\Big)\,\mathrm{Sin}[\lambda 2]\Big)\Big)+$$

$$\frac{1}{r^2 - r1^2}\, 36\, r1^3 \left(\mathrm{Sin}[\lambda] \left(-\frac{1}{2\, r\, r1}\, \mathrm{Cos}[\lambda 2] \left(\left(2\left(r^2 - 2\, r\, r1 + r1^2\right)\right.\right.\right.\right.$$

$$\sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 2]}{r^2 - 2\, r\, r1 + r1^2}}\ \mathrm{EllipticE}\left[\frac{\theta 2}{2},\right.$$

$$\left.\left.-\frac{4\, r\, r1}{r^2 - 2\, r\, r1 + r1^2}\right]\right) \Big/ \left(\sqrt{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 2]}\right) -$$

$$\left(2\left(r^2 + r1^2\right)\sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 2]}{r^2 - 2\, r\, r1 + r1^2}}\ \mathrm{EllipticF}\left[\frac{\theta 2}{2},\right.\right.$$

$$\left.\left.\left.-\frac{4\, r\, r1}{r^2 - 2\, r\, r1 + r1^2}\right]\right) \Big/ \left(\sqrt{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 2]}\right)\right) +$$

$$\left(\sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 2]}{r^2 + r1^2}}\left(-r^2 - r1^2 + r^2\sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 2]}{r^2 + r1^2}} +\right.\right.$$

$$\left.r1^2\sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 2]}{r^2 + r1^2}}\right)$$

$$\left.\mathrm{Sin}[\lambda 2]\right) \Big/ \left(r\, r1\sqrt{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 2]}\right)\Bigg) +$$

$$\mathrm{Cos}[\lambda] \left(\left(\sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 2]}{r^2 + r1^2}}\left(-r^2 - r1^2 + r^2\right.\right.\right.$$

$$\left.\left.\sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 2]}{r^2 + r1^2}} + r1^2\sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 2]}{r^2 + r1^2}}\right)$$

$$\left.\mathrm{Cos}[\lambda 2]\right) \Big/ \left(r\, r1\sqrt{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 2]}\right) +$$

$$\frac{1}{2\, r\, r1}\left(\left(2\left(r^2 - 2\, r\, r1 + r1^2\right)\sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 2]}{r^2 - 2\, r\, r1 + r1^2}}\ \mathrm{EllipticE}\left[\right.\right.\right.$$

$$\left.\left.\frac{\theta 2}{2}, -\frac{4\, r\, r1}{r^2 - 2\, r\, r1 + r1^2}\right]\right) \Big/ \left(\sqrt{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 2]}\right) -$$

$$\left(2\left(r^2 + r1^2\right)\sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 2]}{r^2 - 2\, r\, r1 + r1^2}}\ \mathrm{EllipticF}\left[\right.\right.$$

$$\frac{\theta 2}{2}, -\frac{4\, r\, r1}{r^2 - 2\, r\, r1 + r1^2}\Big]\Big)\Big/$$

$$\left(\sqrt{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 2]}\right)\Big)\, \mathrm{Sin}[\lambda 2]\Big)\Big) -$$

$$\frac{1}{r^2\left(r^2 - r1^2\right)}\, 72\, r1^5 \Big(\mathrm{Sin}[\lambda]\Big(-\frac{1}{2\, r\, r1}\, \mathrm{Cos}[\lambda 2]\Big(\Big(2\left(r^2 - 2\, r\, r1 + r1^2\right)$$

$$\sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 2]}{r^2 - 2\, r\, r1 + r1^2}}\, \mathrm{EllipticE}\Big[\frac{\theta 2}{2},$$

$$-\frac{4\, r\, r1}{r^2 - 2\, r\, r1 + r1^2}\Big]\Big)\Big/\left(\sqrt{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 2]}\right) -$$

$$\Big(2\left(r^2 + r1^2\right)\sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 2]}{r^2 - 2\, r\, r1 + r1^2}}\, \mathrm{EllipticF}\Big[\frac{\theta 2}{2},$$

$$-\frac{4\, r\, r1}{r^2 - 2\, r\, r1 + r1^2}\Big]\Big)\Big/\left(\sqrt{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 2]}\right)\Big) +$$

$$\Big(\sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 2]}{r^2 + r1^2}}\Big(-r^2 - r1^2 + r^2\sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 2]}{r^2 + r1^2}} +$$

$$r1^2\sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 2]}{r^2 + r1^2}}\Big)$$

$$\mathrm{Sin}[\lambda 2]\Big)\Big/\left(r\, r1\sqrt{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 2]}\right)\Big) +$$

$$\mathrm{Cos}[\lambda]\Big(\Big(\sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 2]}{r^2 + r1^2}}\Big(-r^2 - r1^2 + r^2$$

$$\sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 2]}{r^2 + r1^2}} + r1^2\sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 2]}{r^2 + r1^2}}\Big)$$

$$\mathrm{Cos}[\lambda 2]\Big)\Big/\left(r\, r1\sqrt{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 2]}\right) +$$

$$\frac{1}{2\, r\, r1}\Big(\Big(2\left(r^2 - 2\, r\, r1 + r1^2\right)\sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 2]}{r^2 - 2\, r\, r1 + r1^2}}\, \mathrm{EllipticE}\Big[$$

$$\frac{\theta 2}{2}, -\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Big)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\right)-$$

$$\left(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticF}\Big[\right.$$

$$\left.\frac{\theta 2}{2}, -\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\right)\Big/$$

$$\left.\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\right)\right)\mathrm{Sin}[\lambda 2]\Big)\Big)+$$

$$\frac{1}{r^2-r2^2}\,36\,r2^3\left(-\mathrm{Sin}[\lambda]\left(-\frac{1}{2\,r\,r2}\,\mathrm{Cos}[\lambda 2]\left(\left(2\left(r^2-2\,r\,r2+r2^2\right)\right.\right.\right.\right.$$

$$\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticE}\Big[\frac{\theta 2}{2},$$

$$-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\Big)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}\right)-$$

$$\left(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticF}\Big[\frac{\theta 2}{2},\right.$$

$$\left.-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}\right)\Big)-$$

$$\left(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2+r2^2}}\left(-r^2-r2^2+r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2+r2^2}}+\right.\right.$$

$$\left.r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2+r2^2}}\right)$$

$$\left.\mathrm{Sin}[\lambda 2]\right)\Big/\left(r\,r2\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}\right)\Big)+$$

$$\mathrm{Cos}[\lambda]\left(\left(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2+r2^2}}\left(-r^2-r2^2+r^2\right.\right.\right.$$

$$\left.\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2+r2^2}}+r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2+r2^2}}\right)$$

$$\text{Cos}[\lambda 2]\Big)\Big/\Big(r\,r2\,\sqrt{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 2]}\Big)-$$

$$\frac{1}{2\,r\,r2}\Bigg(\Bigg(2\,(r^2-2\,r\,r2+r2^2)\,\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 2]}{r^2-2\,r\,r2+r2^2}}\;\text{EllipticE}\Big[$$

$$\frac{\theta 2}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\Bigg)\Big/\Big(\sqrt{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 2]}\Big)-$$

$$\Bigg(2\,(r^2+r2^2)\,\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 2]}{r^2-2\,r\,r2+r2^2}}\;\text{EllipticF}\Big[$$

$$\frac{\theta 2}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\Bigg)\Big/$$

$$\Big(\sqrt{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 2]}\Big)\Bigg)\,\text{Sin}[\lambda 2]\Bigg)\Bigg)-$$

$$\frac{1}{r^2\,(r^2-r2^2)}\,72\,r2^5\Bigg(-\text{Sin}[\lambda]\Bigg(-\frac{1}{2\,r\,r2}\,\text{Cos}[\lambda 2]\Bigg(\Bigg(2\,(r^2-2\,r\,r2+r2^2)$$

$$\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 2]}{r^2-2\,r\,r2+r2^2}}\;\text{EllipticE}\Big[\frac{\theta 2}{2},$$

$$-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\Bigg)\Big/\Big(\sqrt{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 2]}\Big)-$$

$$\Bigg(2\,(r^2+r2^2)\,\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 2]}{r^2-2\,r\,r2+r2^2}}\;\text{EllipticF}\Big[\frac{\theta 2}{2},$$

$$-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\Bigg)\Big/\Big(\sqrt{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 2]}\Big)\Bigg)-$$

$$\Bigg(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 2]}{r^2+r2^2}}\;\Bigg(-r^2-r2^2+r^2\,\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 2]}{r^2+r2^2}}+$$

$$r2^2\,\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 2]}{r^2+r2^2}}\Bigg)$$

$$\text{Sin}[\lambda 2]\Big)\Big/\Big(r\,r2\,\sqrt{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 2]}\Big)\Bigg)+$$

$$\text{Cos}[\lambda]\left(\left(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 2]}{r^2+r2^2}}\left(-r^2-r2^2+r^2\right.\right.\right.$$

$$\left.\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 2]}{r^2+r2^2}}+r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 2]}{r^2+r2^2}}\right)$$

$$\left.\text{Cos}[\lambda 2]\right)\Big/\left(r\,r2\,\sqrt{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 2]}\right)-$$

$$\frac{1}{2\,r\,r2}\left(\left(2\left(r^2-2\,r\,r2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 2]}{r^2-2\,r\,r2+r2^2}}\,\text{EllipticE}\Big[\right.\right.$$

$$\left.\frac{\theta 2}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 2]}\right)-$$

$$\left(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 2]}{r^2-2\,r\,r2+r2^2}}\,\text{EllipticF}\Big[\right.$$

$$\left.\frac{\theta 2}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\right)\Big/$$

$$\left.\left.\left(\sqrt{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 2]}\right)\right)\text{Sin}[\lambda 2]\right)\right)-$$

$$\frac{1}{r^2-r2^2}\,36\,r2^3\left(\text{Sin}[\lambda]\left(-\frac{1}{2\,r\,r2}\,\text{Cos}[\lambda 2]\left(\left(2\left(r^2-2\,r\,r2+r2^2\right)\right.\right.\right.\right.$$

$$\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 2]}{r^2-2\,r\,r2+r2^2}}\,\text{EllipticE}\Big[\frac{\theta 2}{2},$$

$$\left.-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 2]}\right)-$$

$$\left(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 2]}{r^2-2\,r\,r2+r2^2}}\,\text{EllipticF}\Big[\frac{\theta 2}{2},\right.$$

$$\left.\left.-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 2]}\right)\right)+$$

$$\left(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 2]}{r^2+r2^2}}\left(-r^2-r2^2+r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 2]}{r^2+r2^2}}+\right.\right.$$

$$r2^2 \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}{r^2 + r2^2}}\Bigg)$$

$$\mathrm{Sin}[\lambda 2]\Bigg) \Big/ \left(r\, r2\, \sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}\right)\Bigg) +$$

$$\mathrm{Cos}[\lambda] \Bigg(\Bigg(\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}{r^2 + r2^2}} \Bigg(-r^2 - r2^2 + r^2$$

$$\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}{r^2 + r2^2}} + r2^2 \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}{r^2 + r2^2}}\Bigg)$$

$$\mathrm{Cos}[\lambda 2]\Bigg) \Big/ \left(r\, r2\, \sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}\right) +$$

$$\frac{1}{2\, r\, r2} \Bigg(\Bigg(2\left(r^2 - 2\, r\, r2 + r2^2\right) \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}{r^2 - 2\, r\, r2 + r2^2}}\ \mathrm{EllipticE}\Big[$$

$$\frac{\theta 2}{2}, -\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\Big]\Bigg) \Big/ \left(\sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}\right) -$$

$$\Bigg(2\left(r^2 + r2^2\right) \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}{r^2 - 2\, r\, r2 + r2^2}}\ \mathrm{EllipticF}\Big[$$

$$\frac{\theta 2}{2}, -\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\Big]\Bigg) \Big/$$

$$\left(\sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}\right)\Bigg) \mathrm{Sin}[\lambda 2]\Bigg)\Bigg) +$$

$$\frac{1}{r^2\left(r^2 - r2^2\right)}\, 72\, r2^5 \Bigg(\mathrm{Sin}[\lambda] \Bigg(-\frac{1}{2\, r\, r2}\, \mathrm{Cos}[\lambda 2] \Bigg(\Bigg(2\left(r^2 - 2\, r\, r2 + r2^2\right)$$

$$\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}{r^2 - 2\, r\, r2 + r2^2}}\ \mathrm{EllipticE}\Big[\frac{\theta 2}{2},$$

$$-\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\Big]\Bigg) \Big/ \left(\sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}\right) -$$

$$\Bigg(2\left(r^2 + r2^2\right) \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}{r^2 - 2\, r\, r2 + r2^2}}\ \mathrm{EllipticF}\Big[\frac{\theta 2}{2},$$

$$-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\Big)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}\right)\Big)+$$

$$\left(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2+r2^2}}\left(-r^2-r2^2+r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2+r2^2}}+\right.\right.$$

$$\left.r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2+r2^2}}\right)$$

$$\mathrm{Sin}[\lambda 2]\Big)\Big/\left(r\,r2\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}\right)\Big)+$$

$$\mathrm{Cos}[\lambda]\left(\left(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2+r2^2}}\left(-r^2-r2^2+r^2\right.\right.\right.$$

$$\left.\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2+r2^2}}+r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2+r2^2}}\right)$$

$$\mathrm{Cos}[\lambda 2]\Big)\Big/\left(r\,r2\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}\right)+$$

$$\frac{1}{2\,r\,r2}\left(\left(2\left(r^2-2\,r\,r2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r2+r2^2}}\,\mathrm{EllipticE}\Big[\right.\right.$$

$$\frac{\theta 2}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\Big)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}\right)-$$

$$\left(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r2+r2^2}}\,\mathrm{EllipticF}\Big[\right.$$

$$\frac{\theta 2}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\Big)\Big/$$

$$\left.\left.\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}\right)\mathrm{Sin}[\lambda 2]\right)\right)-$$

$$\frac{1}{r^2-r1^2}\,32\,r^2\,r1\left(-\left((1+2\,\mathrm{Cos}[2\,\lambda])\,\mathrm{Sin}[\lambda]\left(-\frac{1}{2\,r\,r1}\,\mathrm{Cos}[3\,\lambda 2]\right.\right.\right.$$

$$\left(\left(2\left(r^2-2\,r\,r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r1+r1^2}}\,\mathrm{EllipticE}\Big[\frac{\theta 2}{2},\right.\right.$$

$$-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Big)\Big/\Big(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\Big)-$$

$$\Big(2\,(r^2+r1^2)\,\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticF}\Big[$$

$$\frac{\theta 2}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Big)\Big/\Big(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\Big)\Big)-$$

$$\Big(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}\;\Big(-r^2-r1^2+r^2$$

$$\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}+r1^2\,\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}\Big)$$

$$(1+2\,\mathrm{Cos}[2\,\lambda 2])\,\mathrm{Sin}[\lambda 2]\Big)\Big/\Big(r\,r1\,\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\Big)\Big)\Big)+$$

$$\mathrm{Cos}[\lambda]\,(-1+2\,\mathrm{Cos}[2\,\lambda])\,\Big(\Big(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}\;\Big(-r^2-r1^2+$$

$$r^2\,\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}+r1^2\,\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}\Big)$$

$$\mathrm{Cos}[\lambda 2]\,(-1+2\,\mathrm{Cos}[2\,\lambda 2])\Big)\Big/\Big(r\,r1\,\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\Big)-$$

$$\frac{1}{2\,r\,r1}\Big(\Big(2\,(r^2-2\,r\,r1+r1^2)\,\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticE}\Big[$$

$$\frac{\theta 2}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Big)\Big/\Big(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\Big)-$$

$$\Big(2\,(r^2+r1^2)\,\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticF}\Big[$$

$$\frac{\theta 2}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Big)\Big/$$

$$\Big(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\Big)\Big)\,\mathrm{Sin}[3\,\lambda 2]\Big)\Big)+$$

$$\frac{1}{r^2 - r1^2}\, 12\, r1^3 \left(-\left((1 + 2\,\mathrm{Cos}[2\,\lambda])\,\mathrm{Sin}[\lambda]\left(-\frac{1}{2\,r\,r1}\,\mathrm{Cos}[3\,\lambda 2]\right.\right.\right.$$

$$\left(\left(2\left(r^2 - 2\,r\,r1 + r1^2\right)\sqrt{\frac{r^2 + r1^2 - 2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2 - 2\,r\,r1 + r1^2}}\;\mathrm{EllipticE}\left[\frac{\theta 2}{2},\right.\right.\right.$$

$$\left.\left.\left.-\frac{4\,r\,r1}{r^2 - 2\,r\,r1 + r1^2}\right]\right)\Big/\left(\sqrt{r^2 + r1^2 - 2\,r\,r1\,\mathrm{Cos}[\theta 2]}\right) -$$

$$\left(2\left(r^2 + r1^2\right)\sqrt{\frac{r^2 + r1^2 - 2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2 - 2\,r\,r1 + r1^2}}\;\mathrm{EllipticF}\left[\right.\right.$$

$$\left.\left.\left.\frac{\theta 2}{2}, -\frac{4\,r\,r1}{r^2 - 2\,r\,r1 + r1^2}\right]\right)\Big/\left(\sqrt{r^2 + r1^2 - 2\,r\,r1\,\mathrm{Cos}[\theta 2]}\right)\right) -$$

$$\left(\sqrt{\frac{r^2 + r1^2 - 2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2 + r1^2}}\left(-r^2 - r1^2 + r^2\right.\right.$$

$$\left.\sqrt{\frac{r^2 + r1^2 - 2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2 + r1^2}} + r1^2\sqrt{\frac{r^2 + r1^2 - 2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2 + r1^2}}\right)$$

$$\left.\left.\left.(1 + 2\,\mathrm{Cos}[2\,\lambda 2])\,\mathrm{Sin}[\lambda 2]\right)\Big/\left(r\,r1\sqrt{r^2 + r1^2 - 2\,r\,r1\,\mathrm{Cos}[\theta 2]}\right)\right)\right) +$$

$$\mathrm{Cos}[\lambda]\,(-1 + 2\,\mathrm{Cos}[2\,\lambda])\left(\left(\sqrt{\frac{r^2 + r1^2 - 2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2 + r1^2}}\left(-r^2 - r1^2 +\right.\right.\right.$$

$$\left.r^2\sqrt{\frac{r^2 + r1^2 - 2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2 + r1^2}} + r1^2\sqrt{\frac{r^2 + r1^2 - 2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2 + r1^2}}\right)$$

$$\left.\mathrm{Cos}[\lambda 2]\,(-1 + 2\,\mathrm{Cos}[2\,\lambda 2])\right)\Big/\left(r\,r1\sqrt{r^2 + r1^2 - 2\,r\,r1\,\mathrm{Cos}[\theta 2]}\right) -$$

$$\frac{1}{2\,r\,r1}\left(\left(2\left(r^2 - 2\,r\,r1 + r1^2\right)\sqrt{\frac{r^2 + r1^2 - 2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2 - 2\,r\,r1 + r1^2}}\;\mathrm{EllipticE}\left[\right.\right.\right.$$

$$\left.\left.\left.\frac{\theta 2}{2}, -\frac{4\,r\,r1}{r^2 - 2\,r\,r1 + r1^2}\right]\right)\Big/\left(\sqrt{r^2 + r1^2 - 2\,r\,r1\,\mathrm{Cos}[\theta 2]}\right) -$$

$$\left(2\left(r^2 + r1^2\right)\sqrt{\frac{r^2 + r1^2 - 2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2 - 2\,r\,r1 + r1^2}}\;\mathrm{EllipticF}\left[\right.\right.$$

$$\frac{\theta 2}{2}, -\frac{4\, r\, r1}{r^2 - 2\, r\, r1 + r1^2}\Big]\Big) \Big/$$

$$\left(\sqrt{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 2]}\right)\Big) \mathrm{Sin}[3\, \lambda 2]\Big)\Big) +$$

$$\frac{1}{r^2\, (r^2 - r1^2)}\, 8\, r1^5 \Big(-\Big((1 + 2\, \mathrm{Cos}[2\, \lambda])\, \mathrm{Sin}[\lambda]\, \Big(-\frac{1}{2\, r\, r1}\, \mathrm{Cos}[3\, \lambda 2]$$

$$\Big(\Big(2\, (r^2 - 2\, r\, r1 + r1^2)\, \sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 2]}{r^2 - 2\, r\, r1 + r1^2}}\, \mathrm{EllipticE}\Big[\frac{\theta 2}{2},$$

$$-\frac{4\, r\, r1}{r^2 - 2\, r\, r1 + r1^2}\Big]\Big) \Big/ \left(\sqrt{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 2]}\right) -$$

$$\Big(2\, (r^2 + r1^2)\, \sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 2]}{r^2 - 2\, r\, r1 + r1^2}}\, \mathrm{EllipticF}\Big[$$

$$\frac{\theta 2}{2}, -\frac{4\, r\, r1}{r^2 - 2\, r\, r1 + r1^2}\Big]\Big) \Big/ \left(\sqrt{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 2]}\right)\Big) -$$

$$\Big(\sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 2]}{r^2 + r1^2}}\, \Big(-r^2 - r1^2 + r^2$$

$$\sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 2]}{r^2 + r1^2}} + r1^2\, \sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 2]}{r^2 + r1^2}}\Big)$$

$$(1 + 2\, \mathrm{Cos}[2\, \lambda 2])\, \mathrm{Sin}[\lambda 2]\Big) \Big/ \left(r\, r1\, \sqrt{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 2]}\right)\Big)\Big) +$$

$$\mathrm{Cos}[\lambda]\, (-1 + 2\, \mathrm{Cos}[2\, \lambda])\, \Big(\Big(\sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 2]}{r^2 + r1^2}}\, \Big(-r^2 - r1^2 +$$

$$r^2\, \sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 2]}{r^2 + r1^2}} + r1^2\, \sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 2]}{r^2 + r1^2}}\Big)$$

$$\mathrm{Cos}[\lambda 2]\, (-1 + 2\, \mathrm{Cos}[2\, \lambda 2])\Big) \Big/ \left(r\, r1\, \sqrt{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 2]}\right) -$$

$$\frac{1}{2\, r\, r1}\, \Big(\Big(2\, (r^2 - 2\, r\, r1 + r1^2)\, \sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 2]}{r^2 - 2\, r\, r1 + r1^2}}\, \mathrm{EllipticE}\Big[$$

$$\frac{\theta 2}{2}, -\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Big)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\right)-$$

$$\left(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticF}\Big[\right.$$

$$\left.\frac{\theta 2}{2}, -\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\right)\Big/$$

$$\left.\left.\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\right)\right)\mathrm{Sin}[3\,\lambda 2]\right)\right)+$$

$$\frac{1}{r^2-r1^2}\,32\,r^2\,r1\left((1+2\,\mathrm{Cos}[2\,\lambda])\,\mathrm{Sin}[\lambda]\left(-\frac{1}{2\,r\,r1}\,\mathrm{Cos}[3\,\lambda 2]\right.\right.$$

$$\left(\left(2\left(r^2-2\,r\,r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticE}\Big[\frac{\theta 2}{2},\right.\right.$$

$$\left.-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\right)-$$

$$\left(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticF}\Big[\frac{\theta 2}{2},\right.$$

$$\left.\left.-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\right)\right)+$$

$$\left(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}\left(-r^2-r1^2+r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}+\right.\right.$$

$$\left.r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}\right)(1+2\,\mathrm{Cos}[2\,\lambda 2])$$

$$\left.\mathrm{Sin}[\lambda 2]\right)\Big/\left(r\,r1\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\right)\Big)+$$

$$\mathrm{Cos}[\lambda]\,(-1+2\,\mathrm{Cos}[2\,\lambda])\left(\left(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}\left(-r^2-r1^2+\right.\right.\right.$$

$$\left.r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}+r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}\right)$$

$$\text{Cos}[\lambda 2]\ (-1+2\,\text{Cos}[2\,\lambda 2])\Big)\Big/\left(r\ r1\ \sqrt{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 2]}\right)+$$

$$\frac{1}{2\,r\,r1}\left(\left(2\left(r^2-2\,r\,r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 2]}{r^2-2\,r\,r1+r1^2}}\ \text{EllipticE}\Big[\right.\right.$$

$$\frac{\theta 2}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Big)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 2]}\right)-$$

$$\left(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 2]}{r^2-2\,r\,r1+r1^2}}\ \text{EllipticF}\Big[\right.$$

$$\frac{\theta 2}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Big)\Big/$$

$$\left.\left.\left(\sqrt{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 2]}\right)\right)\text{Sin}[3\,\lambda 2]\right)\right)-$$

$$\frac{1}{r^2-r1^2}\,12\,r1^3\left((1+2\,\text{Cos}[2\,\lambda])\ \text{Sin}[\lambda]\left(-\frac{1}{2\,r\,r1}\,\text{Cos}[3\,\lambda 2]\right.\right.$$

$$\left(\left(2\left(r^2-2\,r\,r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 2]}{r^2-2\,r\,r1+r1^2}}\ \text{EllipticE}\Big[\frac{\theta 2}{2},\right.\right.$$

$$\left.-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 2]}\right)-$$

$$\left(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 2]}{r^2-2\,r\,r1+r1^2}}\ \text{EllipticF}\Big[\frac{\theta 2}{2},\right.$$

$$\left.\left.-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 2]}\right)\right)+$$

$$\left(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 2]}{r^2+r1^2}}\left(-r^2-r1^2+r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 2]}{r^2+r1^2}}+\right.\right.$$

$$\left.r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 2]}{r^2+r1^2}}\right)(1+2\,\text{Cos}[2\,\lambda 2])$$

$$\text{Sin}[\lambda 2]\Big)\Big/\left(r\ r1\ \sqrt{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 2]}\right)\Big)+$$

$$\text{Cos}[\lambda]\ (-1+2\,\text{Cos}[2\,\lambda])\ \left(\left(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 2]}{r^2+r1^2}}\ \left(-r^2-r1^2+\right.\right.\right.$$

$$\left.r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 2]}{r^2+r1^2}}+r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 2]}{r^2+r1^2}}\right)$$

$$\left.\text{Cos}[\lambda 2]\ (-1+2\,\text{Cos}[2\,\lambda 2])\right)\Big/\left(r\,r1\,\sqrt{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 2]}\right)+$$

$$\frac{1}{2\,r\,r1}\left(\left(2\left(r^2-2\,r\,r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 2]}{r^2-2\,r\,r1+r1^2}}\ \text{EllipticE}\left[\right.\right.\right.$$

$$\left.\frac{\theta 2}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\Big)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 2]}\right)-$$

$$\left(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 2]}{r^2-2\,r\,r1+r1^2}}\ \text{EllipticF}\left[\right.\right.$$

$$\left.\frac{\theta 2}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\Big)\Big/$$

$$\left.\left.\left(\sqrt{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 2]}\right)\right)\text{Sin}[3\,\lambda 2]\right)\Big)-$$

$$\frac{1}{r^2\left(r^2-r1^2\right)}\,8\,r1^5\left((1+2\,\text{Cos}[2\,\lambda])\ \text{Sin}[\lambda]\ \left(-\frac{1}{2\,r\,r1}\,\text{Cos}[3\,\lambda 2]\right.\right.$$

$$\left(\left(2\left(r^2-2\,r\,r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 2]}{r^2-2\,r\,r1+r1^2}}\ \text{EllipticE}\left[\frac{\theta 2}{2},\right.\right.\right.$$

$$\left.-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\Big)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 2]}\right)-$$

$$\left(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 2]}{r^2-2\,r\,r1+r1^2}}\ \text{EllipticF}\left[\frac{\theta 2}{2},\right.\right.$$

$$\left.\left.-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\Big)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 2]}\right)\right)+$$

$$\left(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 2]}{r^2+r1^2}}\ \left(-r^2-r1^2+r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 2]}{r^2+r1^2}}+\right.\right.$$

$$r1^2 \sqrt{\frac{r^2 + r1^2 - 2\, r\, r1 \operatorname{Cos}[\theta 2]}{r^2 + r1^2}}\Bigg) (1 + 2 \operatorname{Cos}[2\, \lambda 2])$$

$$\operatorname{Sin}[\lambda 2]\Bigg) \Big/ \left(r\, r1 \sqrt{r^2 + r1^2 - 2\, r\, r1 \operatorname{Cos}[\theta 2]}\right)\Bigg) +$$

$$\operatorname{Cos}[\lambda]\, (-1 + 2 \operatorname{Cos}[2\, \lambda]) \Bigg(\Bigg(\sqrt{\frac{r^2 + r1^2 - 2\, r\, r1 \operatorname{Cos}[\theta 2]}{r^2 + r1^2}} \Bigg(-r^2 - r1^2 +$$

$$r^2 \sqrt{\frac{r^2 + r1^2 - 2\, r\, r1 \operatorname{Cos}[\theta 2]}{r^2 + r1^2}} + r1^2 \sqrt{\frac{r^2 + r1^2 - 2\, r\, r1 \operatorname{Cos}[\theta 2]}{r^2 + r1^2}}\Bigg)$$

$$\operatorname{Cos}[\lambda 2]\, (-1 + 2 \operatorname{Cos}[2\, \lambda 2])\Bigg) \Big/ \left(r\, r1 \sqrt{r^2 + r1^2 - 2\, r\, r1 \operatorname{Cos}[\theta 2]}\right) +$$

$$\frac{1}{2\, r\, r1} \Bigg(\Bigg(2 \left(r^2 - 2\, r\, r1 + r1^2\right) \sqrt{\frac{r^2 + r1^2 - 2\, r\, r1 \operatorname{Cos}[\theta 2]}{r^2 - 2\, r\, r1 + r1^2}} \operatorname{EllipticE}\Big[$$

$$\frac{\theta 2}{2}, -\frac{4\, r\, r1}{r^2 - 2\, r\, r1 + r1^2}\Big]\Bigg) \Big/ \left(\sqrt{r^2 + r1^2 - 2\, r\, r1 \operatorname{Cos}[\theta 2]}\right) -$$

$$\Bigg(2 \left(r^2 + r1^2\right) \sqrt{\frac{r^2 + r1^2 - 2\, r\, r1 \operatorname{Cos}[\theta 2]}{r^2 - 2\, r\, r1 + r1^2}} \operatorname{EllipticF}\Big[$$

$$\frac{\theta 2}{2}, -\frac{4\, r\, r1}{r^2 - 2\, r\, r1 + r1^2}\Big]\Bigg) \Big/$$

$$\left(\sqrt{r^2 + r1^2 - 2\, r\, r1 \operatorname{Cos}[\theta 2]}\right)\Bigg) \operatorname{Sin}[3\, \lambda 2]\Bigg)\Bigg) +$$

$$\frac{1}{r^2 - r2^2}\, 32\, r^2\, r2 \Bigg(-\Bigg((1 + 2 \operatorname{Cos}[2\, \lambda]) \operatorname{Sin}[\lambda] \Bigg(-\frac{1}{2\, r\, r2} \operatorname{Cos}[3\, \lambda 2]$$

$$\Bigg(\Bigg(2 \left(r^2 - 2\, r\, r2 + r2^2\right) \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2 \operatorname{Cos}[\theta 2]}{r^2 - 2\, r\, r2 + r2^2}} \operatorname{EllipticE}\Big[\frac{\theta 2}{2},$$

$$-\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\Big]\Bigg) \Big/ \left(\sqrt{r^2 + r2^2 - 2\, r\, r2 \operatorname{Cos}[\theta 2]}\right) -$$

$$\Bigg(2 \left(r^2 + r2^2\right) \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2 \operatorname{Cos}[\theta 2]}{r^2 - 2\, r\, r2 + r2^2}} \operatorname{EllipticF}\Big[$$

$$\frac{\theta 2}{2}, -\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\Big]\Big) \Big/ \left(\sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}\right)\Big) -$$

$$\left(\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}{r^2 + r2^2}}\left(-r^2 - r2^2 + r^2\right.\right.$$

$$\left.\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}{r^2 + r2^2}} + r2^2 \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}{r^2 + r2^2}}\right)$$

$$\left.(1 + 2\, \mathrm{Cos}[2\, \lambda 2])\, \mathrm{Sin}[\lambda 2]\right) \Big/ \left(r\, r2\, \sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}\right)\Big)\Big) +$$

$$\mathrm{Cos}[\lambda]\, (-1 + 2\, \mathrm{Cos}[2\, \lambda])\, \Big(\Big(\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}{r^2 + r2^2}}\Big(-r^2 - r2^2 +$$

$$r^2 \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}{r^2 + r2^2}} + r2^2 \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}{r^2 + r2^2}}\Big)$$

$$\mathrm{Cos}[\lambda 2]\, (-1 + 2\, \mathrm{Cos}[2\, \lambda 2])\Big) \Big/ \left(r\, r2\, \sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}\right) -$$

$$\frac{1}{2\, r\, r2}\Big(\Big(2\left(r^2 - 2\, r\, r2 + r2^2\right) \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}{r^2 - 2\, r\, r2 + r2^2}}\, \mathrm{EllipticE}\Big[$$

$$\frac{\theta 2}{2}, -\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\Big]\Big) \Big/ \left(\sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}\right) -$$

$$\Big(2\left(r^2 + r2^2\right) \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}{r^2 - 2\, r\, r2 + r2^2}}\, \mathrm{EllipticF}\Big[$$

$$\frac{\theta 2}{2}, -\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\Big]\Big) \Big/$$

$$\left(\sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}\right)\Big)\, \mathrm{Sin}[3\, \lambda 2]\Big)\Big) -$$

$$\frac{1}{r^2 - r2^2}\, 12\, r2^3 \Big(-\Big((1 + 2\, \mathrm{Cos}[2\, \lambda])\, \mathrm{Sin}[\lambda]\, \Big(-\frac{1}{2\, r\, r2}\, \mathrm{Cos}[3\, \lambda 2]$$

$$\Big(\Big(2\left(r^2 - 2\, r\, r2 + r2^2\right) \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}{r^2 - 2\, r\, r2 + r2^2}}\, \mathrm{EllipticE}\Big[\frac{\theta 2}{2},$$

$$-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\Big)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta2]}\right)-$$

$$\left(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta2]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticF}\Big[\right.$$

$$\left.\frac{\theta2}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta2]}\right)\Bigg)-$$

$$\left(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta2]}{r^2+r2^2}}\left(-r^2-r2^2+r^2\right.\right.$$

$$\left.\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta2]}{r^2+r2^2}}+r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta2]}{r^2+r2^2}}\right)$$

$$\left.(1+2\,\mathrm{Cos}[2\,\lambda2])\,\mathrm{Sin}[\lambda2]\right)\Big/\left(r\,r2\,\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta2]}\right)\Bigg)\Bigg)+$$

$$\mathrm{Cos}[\lambda]\,(-1+2\,\mathrm{Cos}[2\,\lambda])\left(\left(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta2]}{r^2+r2^2}}\left(-r^2-r2^2+\right.\right.\right.$$

$$\left.r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta2]}{r^2+r2^2}}+r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta2]}{r^2+r2^2}}\right)$$

$$\left.\mathrm{Cos}[\lambda2]\,(-1+2\,\mathrm{Cos}[2\,\lambda2])\right)\Big/\left(r\,r2\,\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta2]}\right)-$$

$$\frac{1}{2\,r\,r2}\left(\left(2\left(r^2-2\,r\,r2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta2]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticE}\Big[\right.\right.$$

$$\left.\frac{\theta2}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta2]}\right)-$$

$$\left(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta2]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticF}\Big[\right.$$

$$\left.\frac{\theta2}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\right)\Big/$$

$$\left.\left.\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta2]}\right)\mathrm{Sin}[3\,\lambda2]\right)\right)-$$

$$\frac{1}{r^2\left(r^2-r2^2\right)}\,8\,r2^5\left(-\left((1+2\,\mathrm{Cos}[2\,\lambda])\,\mathrm{Sin}[\lambda]\left(-\frac{1}{2\,r\,r2}\,\mathrm{Cos}[3\,\lambda2]\right.\right.\right.$$

$$\left(\left(2\left(r^2-2\,r\,r2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta2]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticE}\left[\frac{\theta2}{2},\right.\right.\right.$$

$$\left.\left.-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta2]}\right)-$$

$$\left(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta2]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticF}\left[\right.\right.$$

$$\left.\left.\frac{\theta2}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta2]}\right)\Bigg)-$$

$$\left(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta2]}{r^2+r2^2}}\left(-r^2-r2^2+r^2\right.\right.$$

$$\left.\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta2]}{r^2+r2^2}}+r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta2]}{r^2+r2^2}}\right)$$

$$\left.(1+2\,\mathrm{Cos}[2\,\lambda2])\,\mathrm{Sin}[\lambda2]\right)\Big/\left(r\,r2\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta2]}\right)\Bigg)\Bigg)+$$

$$\mathrm{Cos}[\lambda]\,(-1+2\,\mathrm{Cos}[2\,\lambda])\left(\left(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta2]}{r^2+r2^2}}\left(-r^2-r2^2+\right.\right.\right.$$

$$\left.r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta2]}{r^2+r2^2}}+r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta2]}{r^2+r2^2}}\right)$$

$$\left.\mathrm{Cos}[\lambda2]\,(-1+2\,\mathrm{Cos}[2\,\lambda2])\right)\Big/\left(r\,r2\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta2]}\right)-$$

$$\frac{1}{2\,r\,r2}\left(\left(2\left(r^2-2\,r\,r2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta2]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticE}\left[\right.\right.\right.$$

$$\left.\left.\frac{\theta2}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta2]}\right)-$$

$$\left(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta2]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticF}\left[\right.\right.$$

$$\frac{\theta 2}{2}, -\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\Big]\Big)\Big/$$

$$\left(\sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}\right)\Big)\, \mathrm{Sin}[3\, \lambda 2]\Big)\Big) -$$

$$\frac{1}{r^2 - r2^2}\, 32\, r^2\, r2 \Bigg((1 + 2\, \mathrm{Cos}[2\, \lambda])\, \mathrm{Sin}[\lambda] \Bigg(-\frac{1}{2\, r\, r2}\, \mathrm{Cos}[3\, \lambda 2]$$

$$\Bigg(\Bigg(2\left(r^2 - 2\, r\, r2 + r2^2\right) \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}{r^2 - 2\, r\, r2 + r2^2}}\, \mathrm{EllipticE}\Big[\frac{\theta 2}{2},$$

$$-\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\Big]\Big)\Big/\left(\sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}\right) -$$

$$\Bigg(2\left(r^2 + r2^2\right) \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}{r^2 - 2\, r\, r2 + r2^2}}\, \mathrm{EllipticF}\Big[\frac{\theta 2}{2},$$

$$-\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\Big]\Big)\Big/\left(\sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}\right)\Bigg) +$$

$$\Bigg(\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}{r^2 + r2^2}} \Bigg(-r^2 - r2^2 + r^2 \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}{r^2 + r2^2}} +$$

$$r2^2 \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}{r^2 + r2^2}}\Bigg)\, (1 + 2\, \mathrm{Cos}[2\, \lambda 2])$$

$$\mathrm{Sin}[\lambda 2]\Bigg)\Big/\left(r\, r2 \sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}\right)\Bigg) +$$

$$\mathrm{Cos}[\lambda]\, (-1 + 2\, \mathrm{Cos}[2\, \lambda])\, \Bigg(\Bigg(\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}{r^2 + r2^2}} \Bigg(-r^2 - r2^2 +$$

$$r^2 \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}{r^2 + r2^2}} + r2^2 \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}{r^2 + r2^2}}\Bigg)$$

$$\mathrm{Cos}[\lambda 2]\, (-1 + 2\, \mathrm{Cos}[2\, \lambda 2])\Bigg)\Big/\left(r\, r2 \sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}\right) +$$

$$\frac{1}{2\, r\, r2}\Bigg(\Bigg(2\left(r^2 - 2\, r\, r2 + r2^2\right) \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}{r^2 - 2\, r\, r2 + r2^2}}\, \mathrm{EllipticE}\Big[$$

$$\frac{\theta 2}{2}, -\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\Big]\Big) \Big/ \left(\sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}\right) -$$

$$\left(2\left(r^2 + r2^2\right)\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}{r^2 - 2\, r\, r2 + r2^2}}\ \mathrm{EllipticF}\Big[\right.$$

$$\frac{\theta 2}{2}, -\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\Big]\Big) \Big/$$

$$\left.\left(\sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}\right)\right) \mathrm{Sin}[3\, \lambda 2]\Big)\Big) +$$

$$\frac{1}{r^2 - r2^2}\, 12\, r2^3 \Bigg((1 + 2\, \mathrm{Cos}[2\, \lambda])\, \mathrm{Sin}[\lambda] \Bigg(-\frac{1}{2\, r\, r2}\, \mathrm{Cos}[3\, \lambda 2]$$

$$\Bigg(\Bigg(2\left(r^2 - 2\, r\, r2 + r2^2\right)\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}{r^2 - 2\, r\, r2 + r2^2}}\ \mathrm{EllipticE}\Big[\frac{\theta 2}{2},$$

$$-\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\Big]\Bigg) \Big/ \left(\sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}\right) -$$

$$\Bigg(2\left(r^2 + r2^2\right)\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}{r^2 - 2\, r\, r2 + r2^2}}\ \mathrm{EllipticF}\Big[\frac{\theta 2}{2},$$

$$-\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\Big]\Bigg) \Big/ \left(\sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}\right)\Bigg) +$$

$$\Bigg(\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}{r^2 + r2^2}}\ \Bigg(-r^2 - r2^2 + r^2\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}{r^2 + r2^2}} +$$

$$r2^2\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}{r^2 + r2^2}}\Bigg)\ (1 + 2\, \mathrm{Cos}[2\, \lambda 2])$$

$$\mathrm{Sin}[\lambda 2]\Bigg) \Big/ \left(r\, r2\sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}\right)\Bigg) +$$

$$\mathrm{Cos}[\lambda]\ (-1 + 2\, \mathrm{Cos}[2\, \lambda])\ \Bigg(\Bigg(\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}{r^2 + r2^2}}\ \Bigg(-r^2 - r2^2 +$$

$$r^2\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}{r^2 + r2^2}} + r2^2\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}{r^2 + r2^2}}\Bigg)$$

$$\text{Cos}[\lambda 2]\ (-1+2\,\text{Cos}[2\,\lambda 2])\Big)\Big/\Big(r\ r2\ \sqrt{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 2]}\Big)+$$

$$\frac{1}{2\,r\,r2}\Bigg(\Bigg(2\left(r^2-2\,r\,r2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 2]}{r^2-2\,r\,r2+r2^2}}\ \text{EllipticE}\Big[$$

$$\frac{\theta 2}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\Bigg)\Big/\Big(\sqrt{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 2]}\Big)-$$

$$\Bigg(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 2]}{r^2-2\,r\,r2+r2^2}}\ \text{EllipticF}\Big[$$

$$\frac{\theta 2}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\Bigg)\Big/$$

$$\Big(\sqrt{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 2]}\Big)\Bigg)\ \text{Sin}[3\,\lambda 2]\Bigg)\Bigg)+$$

$$\frac{1}{r^2\left(r^2-r2^2\right)}\ 8\,r2^5\Bigg((1+2\,\text{Cos}[2\,\lambda])\ \text{Sin}[\lambda]\Bigg(-\frac{1}{2\,r\,r2}\ \text{Cos}[3\,\lambda 2]$$

$$\Bigg(\Bigg(2\left(r^2-2\,r\,r2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 2]}{r^2-2\,r\,r2+r2^2}}\ \text{EllipticE}\Big[\frac{\theta 2}{2},$$

$$-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\Bigg)\Big/\Big(\sqrt{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 2]}\Big)-$$

$$\Bigg(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 2]}{r^2-2\,r\,r2+r2^2}}\ \text{EllipticF}\Big[\frac{\theta 2}{2},$$

$$-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\Bigg)\Big/\Big(\sqrt{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 2]}\Big)\Bigg)+$$

$$\Bigg(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 2]}{r^2+r2^2}}\ \Bigg(-r^2-r2^2+r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 2]}{r^2+r2^2}}+$$

$$r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 2]}{r^2+r2^2}}\Bigg)\ (1+2\,\text{Cos}[2\,\lambda 2])$$

$$\text{Sin}[\lambda 2]\Bigg)\Big/\Big(r\ r2\ \sqrt{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 2]}\Big)\Bigg)+$$

$$\text{Cos}[\lambda]\ (-1+2\,\text{Cos}[2\,\lambda])\ \Bigg(\Bigg(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 2]}{r^2+r2^2}}\ \Bigg(-r^2-r2^2+$$

$$r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 2]}{r^2+r2^2}}+r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 2]}{r^2+r2^2}}\Bigg)$$

$$\text{Cos}[\lambda 2]\ (-1+2\,\text{Cos}[2\,\lambda 2])\Bigg)\Big/\Big(r\,r2\,\sqrt{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 2]}\Big)+$$

$$\frac{1}{2\,r\,r2}\Bigg(\Bigg(2\,(r^2-2\,r\,r2+r2^2)\,\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 2]}{r^2-2\,r\,r2+r2^2}}\ \text{EllipticE}\Big[$$

$$\frac{\theta 2}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\Bigg)\Big/\Big(\sqrt{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 2]}\Big)-$$

$$\Bigg(2\,(r^2+r2^2)\,\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 2]}{r^2-2\,r\,r2+r2^2}}\ \text{EllipticF}\Big[$$

$$\frac{\theta 2}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\Bigg)\Big/$$

$$\Big(\sqrt{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 2]}\Big)\Bigg)\ \text{Sin}[3\,\lambda 2]\Bigg)\Bigg)+$$

$$\sqrt{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 2]}\ \Bigg(\Big(2\,\Big(-15\,r^2\,r1^3\,\text{Cos}[\theta 2+3\,\lambda-3\,\lambda 1]-5\,r1^5$$

$$\text{Cos}[\theta 2+3\,\lambda-3\,\lambda 1]+9\,r^2\,r1^3\,\text{Cos}[\theta 2+\lambda-\lambda 1]-45\,r1^5$$

$$\text{Cos}[\theta 2+\lambda-\lambda 1]-9\,r^2\,r1^3\,\text{Cos}[\theta 2-\lambda+\lambda 1]+45\,r1^5\,\text{Cos}[\theta 2-\lambda+\lambda 1]+$$

$$15\,r^2\,r1^3\,\text{Cos}[\theta 2-3\,\lambda+3\,\lambda 1]+5\,r1^5\,\text{Cos}[\theta 2-3\,\lambda+3\,\lambda 1]+15$$

$$r^2\,r1^3\,\text{Cos}[\theta 2+3\,\lambda-3\,\lambda 2]+5\,r1^5\,\text{Cos}[\theta 2+3\,\lambda-3\,\lambda 2]-9$$

$$r^2\,r1^3\,\text{Cos}[\theta 2+\lambda-\lambda 2]+45\,r1^5\,\text{Cos}[\theta 2+\lambda-\lambda 2]+9\,r^2$$

$$r1^3\,\text{Cos}[\theta 2-\lambda+\lambda 2]-45\,r1^5\,\text{Cos}[\theta 2-\lambda+\lambda 2]-15\,r^2$$

$$r1^3\,\text{Cos}[\theta 2-3\,\lambda+3\,\lambda 2]-5\,r1^5\,\text{Cos}[\theta 2-3\,\lambda+3\,\lambda 2]\Big)\Big)\Big/$$

$$\Big(r^2\,(r^2-r1^2)\,(-r^2-r1^2+2\,r\,r1\,\text{Cos}[\theta 2])\Big)+$$

$$\frac{1}{r^2\,(-r^2-r1^2+2\,r\,r1\,\text{Cos}[\theta 2])^2}$$

$$2\,\Big(-r^2\,r1^3\,\text{Cos}[\theta 2+3\,\lambda-3\,\lambda 1]+r1^5\,\text{Cos}[\theta 2+3\,\lambda-3\,\lambda 1]-$$

$$9\,r^2\,r1^3\,\text{Cos}[\theta 2+\lambda-\lambda 1]+9\,r1^5\,\text{Cos}[\theta 2+\lambda-\lambda 1]+$$

$$9\,r^2\,r1^3\,\text{Cos}[\theta 2-\lambda+\lambda 1]-9\,r1^5\,\text{Cos}[\theta 2-\lambda+\lambda 1]+$$

$$r^2\,r1^3\,\text{Cos}[\theta 2-3\,\lambda+3\,\lambda 1]-r1^5\,\text{Cos}[\theta 2-3\,\lambda+3\,\lambda 1]+$$

$$r^2\,r1^3\,\text{Cos}[\theta 2+3\,\lambda-3\,\lambda 2]-r1^5\,\text{Cos}[\theta 2+3\,\lambda-3\,\lambda 2]+$$

$$9\,r^2\,r1^3\,\text{Cos}[\theta 2+\lambda-\lambda 2]-9\,r1^5\,\text{Cos}[\theta 2+\lambda-\lambda 2]-$$

$$9\,r^2\,r1^3\,\text{Cos}[\theta 2-\lambda+\lambda 2]+9\,r1^5\,\text{Cos}[\theta 2-\lambda+\lambda 2]-$$

$$r^2\, r1^3 \operatorname{Cos}[\theta 2 - 3\lambda + 3\lambda 2] + r1^5 \operatorname{Cos}[\theta 2 - 3\lambda + 3\lambda 2]) -$$

$$\frac{1}{r^2 - r1^2} 32 \operatorname{Csc}[\theta 2]\, (-2\, r1 \operatorname{Sin}[3\lambda - 3\lambda 1] - r \operatorname{Sin}[\theta 2 + 3\lambda - 3\lambda 1] +$$

$$r \operatorname{Sin}[\theta 2 - 3\lambda + 3\lambda 1] + 2\, r1 \operatorname{Sin}[3\lambda - 3\lambda 2] +$$

$$r \operatorname{Sin}[\theta 2 + 3\lambda - 3\lambda 2] - r \operatorname{Sin}[\theta 2 - 3\lambda + 3\lambda 2])\Big) +$$

$$\sqrt{r^2 + r2^2 - 2\, r\, r2 \operatorname{Cos}[\theta 2]}\, \Big(-\big((2\, (-15\, r^2\, r2^3 \operatorname{Cos}[\theta 2 + 3\lambda - 3\lambda 1] -$$

$$5\, r2^5 \operatorname{Cos}[\theta 2 + 3\lambda - 3\lambda 1] + 9\, r^2\, r2^3 \operatorname{Cos}[\theta 2 + \lambda - \lambda 1] -$$

$$45\, r2^5 \operatorname{Cos}[\theta 2 + \lambda - \lambda 1] - 9\, r^2\, r2^3 \operatorname{Cos}[\theta 2 - \lambda + \lambda 1] +$$

$$45\, r2^5 \operatorname{Cos}[\theta 2 - \lambda + \lambda 1] + 15\, r^2\, r2^3 \operatorname{Cos}[\theta 2 - 3\lambda + 3\lambda 1] +$$

$$5\, r2^5 \operatorname{Cos}[\theta 2 - 3\lambda + 3\lambda 1] + 15\, r^2\, r2^3 \operatorname{Cos}[\theta 2 + 3\lambda - 3\lambda 2] +$$

$$5\, r2^5 \operatorname{Cos}[\theta 2 + 3\lambda - 3\lambda 2] - 9\, r^2\, r2^3 \operatorname{Cos}[\theta 2 + \lambda - \lambda 2] + 45\, r2^5$$

$$\operatorname{Cos}[\theta 2 + \lambda - \lambda 2] + 9\, r^2\, r2^3 \operatorname{Cos}[\theta 2 - \lambda + \lambda 2] - 45\, r2^5 \operatorname{Cos}[\theta 2 - \lambda + \lambda 2] -$$

$$15\, r^2\, r2^3 \operatorname{Cos}[\theta 2 - 3\lambda + 3\lambda 2] - 5\, r2^5 \operatorname{Cos}[\theta 2 - 3\lambda + 3\lambda 2])) \,/$$

$$(r^2\, (r^2 - r2^2)\, (-r^2 - r2^2 + 2\, r\, r2 \operatorname{Cos}[\theta 2]))) -$$

$$\frac{1}{r^2\, (-r^2 - r2^2 + 2\, r\, r2 \operatorname{Cos}[\theta 2])^2} 2\, (-r^2\, r2^3 \operatorname{Cos}[\theta 2 + 3\lambda - 3\lambda 1] +$$

$$r2^5 \operatorname{Cos}[\theta 2 + 3\lambda - 3\lambda 1] - 9\, r^2\, r2^3 \operatorname{Cos}[\theta 2 + \lambda - \lambda 1] +$$

$$9\, r2^5 \operatorname{Cos}[\theta 2 + \lambda - \lambda 1] + 9\, r^2\, r2^3 \operatorname{Cos}[\theta 2 - \lambda + \lambda 1] -$$

$$9\, r2^5 \operatorname{Cos}[\theta 2 - \lambda + \lambda 1] + r^2\, r2^3 \operatorname{Cos}[\theta 2 - 3\lambda + 3\lambda 1] -$$

$$r2^5 \operatorname{Cos}[\theta 2 - 3\lambda + 3\lambda 1] + r^2\, r2^3 \operatorname{Cos}[\theta 2 + 3\lambda - 3\lambda 2] -$$

$$r2^5 \operatorname{Cos}[\theta 2 + 3\lambda - 3\lambda 2] + 9\, r^2\, r2^3 \operatorname{Cos}[\theta 2 + \lambda - \lambda 2] -$$

$$9\, r2^5 \operatorname{Cos}[\theta 2 + \lambda - \lambda 2] - 9\, r^2\, r2^3 \operatorname{Cos}[\theta 2 - \lambda + \lambda 2] + 9\, r2^5 \operatorname{Cos}[\theta 2 - \lambda + \lambda 2] -$$

$$r^2\, r2^3 \operatorname{Cos}[\theta 2 - 3\lambda + 3\lambda 2] + r2^5 \operatorname{Cos}[\theta 2 - 3\lambda + 3\lambda 2]) +$$

$$\frac{1}{r^2 - r2^2} 32 \operatorname{Csc}[\theta 2]\, (-2\, r2 \operatorname{Sin}[3\lambda - 3\lambda 1] - r \operatorname{Sin}[\theta 2 + 3\lambda - 3\lambda 1] +$$

$$r \operatorname{Sin}[\theta 2 - 3\lambda + 3\lambda 1] + 2\, r2 \operatorname{Sin}[3\lambda - 3\lambda 2] +$$

$$r \operatorname{Sin}[\theta 2 + 3\lambda - 3\lambda 2] - r \operatorname{Sin}[\theta 2 - 3\lambda + 3\lambda 2])\Big)\Big)\Big)$$

In[ ]:=
```
VxxxSphericalZonalBand = Vxxx[0, 2 * Pi, θ1, θ2]
```

Out[ ]=

0

In[ ]:=
```
VxxxSphericalShell = Vxxx[0, 2 * Pi, 0, Pi]
```

Infinity : Indeterminate expression 0 ComplexInfinity encountered.

Infinity : Indeterminate expression 0 ComplexInfinity encountered.

Infinity : Indeterminate expression 0 ComplexInfinity encountered.

General : Further output of Infinity::indet will be suppressed during this calculation.

Out[ ]=

Indeterminate

In[ ]:=
```
NotebookSave[EvaluationNotebook[]];
```

2. Vxxy

In[ ]:=
```
FullSimplify[
 ∫ r3^2 Sin[θ3] (15 * (-r3 Cos[λ - λ3] Sin[θ3])^2 * (-r3 Sin[θ3] Sin[λ - λ3]) / (Sqrt[r^2 + r3^2 - 2 * r * r3 * Cos[θ3]])^7 -
    3 * (-r3 Sin[θ3] Sin[λ - λ3]) / (Sqrt[r^2 + r3^2 - 2 * r * r3 * Cos[θ3]])^5) dλ3]
```

Out[ ]=

$$\left(3\, r3^3 \left(r^2 + r3^2 - 2\, r\, r3 \operatorname{Cos}[\theta 3]\right) \operatorname{Cos}[\lambda - \lambda 3] \operatorname{Sin}[\theta 3]^2 - 5\, r3^5 \operatorname{Cos}[\lambda - \lambda 3]^3 \operatorname{Sin}[\theta 3]^4\right) \Big/ \left(r^2 + r3^2 - 2\, r\, r3 \operatorname{Cos}[\theta 3]\right)^{7/2}$$

In[ ]:=
```
Vxxyλ3[λ3_] :=
 (3 r3^3 (r^2 + r3^2 - 2 r r3 Cos[θ3]) Cos[λ - λ3] Sin[θ3]^2 - 5 r3^5 Cos[λ - λ3]^3 Sin[θ3]^4) /
  (r^2 + r3^2 - 2 r r3 Cos[θ3])^(7/2)
```

In[ ]:=
```
FullSimplify[Vxxyλ3[λ2] - Vxxyλ3[λ1]]
```

Out[ ]=

$$\left(-3\, r3^3 \left(r^2 + r3^2 - 2\, r\, r3 \operatorname{Cos}[\theta 3]\right) \left(\operatorname{Cos}[\lambda - \lambda 1] - \operatorname{Cos}[\lambda - \lambda 2]\right) \operatorname{Sin}[\theta 3]^2 + 5\, r3^5 \left(\operatorname{Cos}[\lambda - \lambda 1]^3 - \operatorname{Cos}[\lambda - \lambda 2]^3\right) \operatorname{Sin}[\theta 3]^4\right) \Big/ \left(r^2 + r3^2 - 2\, r\, r3 \operatorname{Cos}[\theta 3]\right)^{7/2}$$

In[ ]:=
```
FullSimplify[
 ∫((-3 r3^3 (r^2 + r3^2 - 2 r r3 Cos[θ3]) (Cos[λ - λ1] - Cos[λ - λ2]) Sin[θ3]^2 + 5 r3^5
      (Cos[λ - λ1]^3 - Cos[λ - λ2]^3) Sin[θ3]^4) / (r^2 + r3^2 - 2 r r3 Cos[θ3])^(7/2)) dr3]
```

Out[ ]=

$$\frac{1}{96\, r\, \left(r^2+r3^2-2\, r\, r3\, \mathrm{Cos}[\theta 3]\right)^{5/2}}$$
$$\mathrm{Sin}[\theta 3]^2 \Big(\mathrm{Cos}[\lambda] \Big(72\, r3^4\, (-r+r3\, \mathrm{Cos}[\theta 3])\, \mathrm{Cos}[\lambda 1] + 72\, r3^4\, (r-r3\, \mathrm{Cos}[\theta 3])\, \mathrm{Cos}[\lambda 2] +$$
$$\frac{1}{2}\, \Big(-2\, r\, \left(8\, r^2+5\, r3^2\right) \left(8\, r^2+45\, r3^2\right) + 10\, r3\, \left(64\, r^4+120\, r^2\, r3^2+15\, r3^4\right) \mathrm{Cos}[\theta 3] -$$
$$40\, r\, r3^2\, \left(12\, r^2+5\, r3^2\right) \mathrm{Cos}[2\, \theta 3] + 5\, r3^3\, \left(16\, r^2-5\, r3^2\right) \mathrm{Cos}[3\, \theta 3] +$$
$$10\, r\, r3^4\, \mathrm{Cos}[4\, \theta 3] + 3\, r3^5\, \mathrm{Cos}[5\, \theta 3]\Big)\, (-1+2\, \mathrm{Cos}[2\, \lambda])$$
$$(\mathrm{Cos}[3\, \lambda 1] - \mathrm{Cos}[3\, \lambda 2])\, \mathrm{Csc}[\theta 3]^4\Big) + (-r+r3\, \mathrm{Cos}[\theta 3])\, \mathrm{Sin}[\lambda]$$
$$\Big(72\, r3^4\, \mathrm{Sin}[\lambda 1] + \Big(64\, r^4+272\, r^2\, r3^2+89\, r3^4-16\, r\, r3\, \left(16\, r^2+17\, r3^2\right) \mathrm{Cos}[\theta 3] -$$
$$28\, r3^2\, \left(-4\, r^2+r3^2\right) \mathrm{Cos}[2\, \theta 3] + 16\, r\, r3^3\, \mathrm{Cos}[3\, \theta 3] + 3\, r3^4\, \mathrm{Cos}[4\, \theta 3]\Big)$$
$$(1+2\, \mathrm{Cos}[2\, \lambda])\, \mathrm{Csc}[\theta 3]^4\, \mathrm{Sin}[3\, \lambda 1] - 72\, r3^4\, \mathrm{Sin}[\lambda 2] -$$
$$\Big(64\, r^4+272\, r^2\, r3^2+89\, r3^4-16\, r\, r3\, \left(16\, r^2+17\, r3^2\right) \mathrm{Cos}[\theta 3] -$$
$$28\, r3^2\, \left(-4\, r^2+r3^2\right) \mathrm{Cos}[2\, \theta 3] + 16\, r\, r3^3\, \mathrm{Cos}[3\, \theta 3] + 3\, r3^4\, \mathrm{Cos}[4\, \theta 3]\Big)$$
$$(1+2\, \mathrm{Cos}[2\, \lambda])\, \mathrm{Csc}[\theta 3]^4\, \mathrm{Sin}[3\, \lambda 2]\Big)\Big)$$

In[ ]:=
```
Vxxyr3[r3_] := 1/(96 r (r^2 + r3^2 - 2 r r3 Cos[θ3])^(5/2)) Sin[θ3]^2
 (Cos[λ] (72 r3^4 (-r + r3 Cos[θ3]) Cos[λ1] + 72 r3^4 (r - r3 Cos[θ3]) Cos[λ2] +
      1/2 (-2 r (8 r^2 + 5 r3^2) (8 r^2 + 45 r3^2) + 10 r3 (64 r^4 + 120 r^2 r3^2 + 15 r3^4) Cos[θ3] -
        40 r r3^2 (12 r^2 + 5 r3^2) Cos[2 θ3] + 5 r3^3 (16 r^2 - 5 r3^2) Cos[3 θ3] +
        10 r r3^4 Cos[4 θ3] + 3 r3^5 Cos[5 θ3]) (-1 + 2 Cos[2 λ])
      (Cos[3 λ1] - Cos[3 λ2]) Csc[θ3]^4) + (-r + r3 Cos[θ3]) Sin[λ]
    (72 r3^4 Sin[λ1] + (64 r^4 + 272 r^2 r3^2 + 89 r3^4 - 16 r r3 (16 r^2 + 17 r3^2) Cos[θ3] -
        28 r3^2 (-4 r^2 + r3^2) Cos[2 θ3] + 16 r r3^3 Cos[3 θ3] + 3 r3^4 Cos[4 θ3])
      (1 + 2 Cos[2 λ]) Csc[θ3]^4 Sin[3 λ1] - 72 r3^4 Sin[λ2] -
    (64 r^4 + 272 r^2 r3^2 + 89 r3^4 - 16 r r3 (16 r^2 + 17 r3^2) Cos[θ3] -
        28 r3^2 (-4 r^2 + r3^2) Cos[2 θ3] + 16 r r3^3 Cos[3 θ3] + 3 r3^4 Cos[4 θ3])
      (1 + 2 Cos[2 λ]) Csc[θ3]^4 Sin[3 λ2]))
```

In[ ]:=
```
Simplify[Vxxyr3[r2] - Vxxyr3[r1]]
```

Out[ ]=

$$\frac{1}{96\,r}\,\mathrm{Sin}[\theta 3]^2\Bigg(-\frac{1}{\left(r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]\right)^{5/2}}\Big(\mathrm{Cos}[\lambda]\Big(72\,r1^4\,(-r+r1\,\mathrm{Cos}[\theta 3])\,\mathrm{Cos}[\lambda 1]+72\,r1^4\,(r-r1\,\mathrm{Cos}[\theta 3])\,\mathrm{Cos}[\lambda 2]+\frac{1}{2}\Big(-2\,r\,\left(8\,r^2+5\,r1^2\right)\left(8\,r^2+45\,r1^2\right)+10\,r1\,\left(64\,r^4+120\,r^2\,r1^2+15\,r1^4\right)\mathrm{Cos}[\theta 3]-40\,r\,r1^2\,\left(12\,r^2+5\,r1^2\right)\mathrm{Cos}[2\,\theta 3]+5\,r1^3\,\left(16\,r^2-5\,r1^2\right)\mathrm{Cos}[3\,\theta 3]+10\,r\,r1^4\,\mathrm{Cos}[4\,\theta 3]+3\,r1^5\,\mathrm{Cos}[5\,\theta 3]\Big)(-1+2\,\mathrm{Cos}[2\,\lambda])\,(\mathrm{Cos}[3\,\lambda 1]-\mathrm{Cos}[3\,\lambda 2])\,\mathrm{Csc}[\theta 3]^4\Big)+(-r+r1\,\mathrm{Cos}[\theta 3])\,\mathrm{Sin}[\lambda]\Big(72\,r1^4\,\mathrm{Sin}[\lambda 1]+\Big(64\,r^4+272\,r^2\,r1^2+89\,r1^4-16\,r\,r1\,\left(16\,r^2+17\,r1^2\right)\mathrm{Cos}[\theta 3]-28\,r1^2\,\left(-4\,r^2+r1^2\right)\mathrm{Cos}[2\,\theta 3]+16\,r\,r1^3\,\mathrm{Cos}[3\,\theta 3]+3\,r1^4\,\mathrm{Cos}[4\,\theta 3]\Big)(1+2\,\mathrm{Cos}[2\,\lambda])\,\mathrm{Csc}[\theta 3]^4\,\mathrm{Sin}[3\,\lambda 1]-72\,r1^4\,\mathrm{Sin}[\lambda 2]-\Big(64\,r^4+272\,r^2\,r1^2+89\,r1^4-16\,r\,r1\,\left(16\,r^2+17\,r1^2\right)\mathrm{Cos}[\theta 3]-28\,r1^2\,\left(-4\,r^2+r1^2\right)\mathrm{Cos}[2\,\theta 3]+16\,r\,r1^3\,\mathrm{Cos}[3\,\theta 3]+3\,r1^4\,\mathrm{Cos}[4\,\theta 3]\Big)(1+2\,\mathrm{Cos}[2\,\lambda])\,\mathrm{Csc}[\theta 3]^4\,\mathrm{Sin}[3\,\lambda 2]\Big)\Big)+\frac{1}{\left(r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]\right)^{5/2}}\Big(\mathrm{Cos}[\lambda]\Big(72\,r2^4\,(-r+r2\,\mathrm{Cos}[\theta 3])\,\mathrm{Cos}[\lambda 1]+72\,r2^4\,(r-r2\,\mathrm{Cos}[\theta 3])\,\mathrm{Cos}[\lambda 2]+\frac{1}{2}\Big(-2\,r\,\left(8\,r^2+5\,r2^2\right)\left(8\,r^2+45\,r2^2\right)+10\,r2\,\left(64\,r^4+120\,r^2\,r2^2+15\,r2^4\right)\mathrm{Cos}[\theta 3]-40\,r\,r2^2\,\left(12\,r^2+5\,r2^2\right)\mathrm{Cos}[2\,\theta 3]+5\,r2^3\,\left(16\,r^2-5\,r2^2\right)\mathrm{Cos}[3\,\theta 3]+10\,r\,r2^4\,\mathrm{Cos}[4\,\theta 3]+3\,r2^5\,\mathrm{Cos}[5\,\theta 3]\Big)(-1+2\,\mathrm{Cos}[2\,\lambda])\,(\mathrm{Cos}[3\,\lambda 1]-\mathrm{Cos}[3\,\lambda 2])\,\mathrm{Csc}[\theta 3]^4\Big)+(-r+r2\,\mathrm{Cos}[\theta 3])\,\mathrm{Sin}[\lambda]\Big(72\,r2^4\,\mathrm{Sin}[\lambda 1]+\Big(64\,r^4+272\,r^2\,r2^2+89\,r2^4-16\,r\,r2\,\left(16\,r^2+17\,r2^2\right)\mathrm{Cos}[\theta 3]-28\,r2^2\,\left(-4\,r^2+r2^2\right)\mathrm{Cos}[2\,\theta 3]+16\,r\,r2^3\,\mathrm{Cos}[3\,\theta 3]+3\,r2^4\,\mathrm{Cos}[4\,\theta 3]\Big)(1+2\,\mathrm{Cos}[2\,\lambda])\,\mathrm{Csc}[\theta 3]^4\,\mathrm{Sin}[3\,\lambda 1]-72\,r2^4\,\mathrm{Sin}[\lambda 2]-\Big(64\,r^4+272\,r^2\,r2^2+89\,r2^4-16\,r\,r2\,\left(16\,r^2+17\,r2^2\right)\mathrm{Cos}[\theta 3]-28\,r2^2\,\left(-4\,r^2+r2^2\right)\mathrm{Cos}[2\,\theta 3]+16\,r\,r2^3\,\mathrm{Cos}[3\,\theta 3]+3\,r2^4\,\mathrm{Cos}[4\,\theta 3]\Big)(1+2\,\mathrm{Cos}[2\,\lambda])\,\mathrm{Csc}[\theta 3]^4\,\mathrm{Sin}[3\,\lambda 2]\Big)\Big)\Bigg)$$

In[ ]:=
$$\int\Bigg(\frac{1}{96\,r}\,\mathrm{Sin}[\theta 3]^2\Bigg(-\frac{1}{\left(r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]\right)^{5/2}}\Big(\mathrm{Cos}[\lambda]\Big(72\,r1^4\,(-r+r1\,\mathrm{Cos}[\theta 3])\,\mathrm{Cos}[\lambda 1]+72\,r1^4\,(r-r1\,\mathrm{Cos}[\theta 3])\,\mathrm{Cos}[\lambda 2]+\frac{1}{2}\Big(-2\,r\,\left(8\,r^2+5\,r1^2\right)\left(8\,r^2+45\,r1^2\right)+10\,r1\,\left(64\,r^4+120\,r^2\,r1^2+15\,r1^4\right)\mathrm{Cos}[\theta 3]-40\,r\,r1^2\,\left(12\,r^2+5\,r1^2\right)\mathrm{Cos}[2\,\theta 3]+5\,r1^3\,\left(16\,r^2-5\,r1^2\right)\mathrm{Cos}[3\,\theta 3]+10\,r\,r1^4\,\mathrm{Cos}[4\,\theta 3]+3\,r1^5\,\mathrm{Cos}[5\,\theta 3]\Big)\,(-1+2\,\mathrm{Cos}[2\,\lambda])\,(\mathrm{Cos}[3\,\lambda 1]-\mathrm{Cos}[3\,\lambda 2])\,\mathrm{Csc}[\theta 3]^4\Big)+(-r+r1\,\mathrm{Cos}[\theta 3])\,\mathrm{Sin}[\lambda]\Big(72\,r1^4\,\mathrm{Sin}[\lambda 1]+\Big(64\,r^4+272\,r^2\,r1^2+89\,r1^4-16\,r\,r1\,\left(16\,r^2+17\,r1^2\right)\mathrm{Cos}[\theta 3]-28\,r1^2\,\left(-4\,r^2+r1^2\right)\mathrm{Cos}[2\,\theta 3]+16\,r\,r1^3\,\mathrm{Cos}[3\,\theta 3]+3\,r1^4\,\mathrm{Cos}[4\,\theta 3]\Big)\,(1+2\,\mathrm{Cos}[2\,\lambda])\,\mathrm{Csc}[\theta 3]^4\,\mathrm{Sin}[3\,\lambda 1]-72\,r1^4\,\mathrm{Sin}[\lambda 2]-\Big(64\,r^4+272\,r^2\,r1^2+89\,r1^4-16\,r\,r1\,\left(16\,r^2+17\,r1^2\right)\mathrm{Cos}[\theta 3]-28\,r1^2\,\left(-4\,r^2+r1^2\right)\mathrm{Cos}[2\,\theta 3]+16\,r\,r1^3\,\mathrm{Cos}[3\,\theta 3]+3\,r1^4\,\mathrm{Cos}[4\,\theta 3]\Big)\,(1+2\,\mathrm{Cos}[2\,\lambda])\,\mathrm{Csc}[\theta 3]^4\,\mathrm{Sin}[3\,\lambda 2]\Big)\Big)+\frac{1}{\left(r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]\right)^{5/2}}\Big(\mathrm{Cos}[\lambda]\Big(72\,r2^4\,(-r+r2\,\mathrm{Cos}[\theta 3])\,\mathrm{Cos}[\lambda 1]+72\,r2^4\,(r-r2\,\mathrm{Cos}[\theta 3])\,\mathrm{Cos}[\lambda 2]+\frac{1}{2}\Big(-2\,r\,\left(8\,r^2+5\,r2^2\right)\left(8\,r^2+45\,r2^2\right)+10\,r2\,\left(64\,r^4+120\,r^2\,r2^2+15\,r2^4\right)\mathrm{Cos}[\theta 3]-40\,r\,r2^2\,\left(12\,r^2+5\,r2^2\right)\mathrm{Cos}[2\,\theta 3]+5\,r2^3\,\left(16\,r^2-5\,r2^2\right)\mathrm{Cos}[3\,\theta 3]+10\,r\,r2^4\,\mathrm{Cos}[4\,\theta 3]+3\,r2^5\,\mathrm{Cos}[5\,\theta 3]\Big)\,(-1+2\,\mathrm{Cos}[2\,\lambda])\,(\mathrm{Cos}[3\,\lambda 1]-\mathrm{Cos}[3\,\lambda 2])\,\mathrm{Csc}[\theta 3]^4\Big)+(-r+r2\,\mathrm{Cos}[\theta 3])\,\mathrm{Sin}[\lambda]\Big(72\,r2^4\,\mathrm{Sin}[\lambda 1]+\Big(64\,r^4+272\,r^2\,r2^2+89\,r2^4-16\,r\,r2\,\left(16\,r^2+17\,r2^2\right)\mathrm{Cos}[\theta 3]-28\,r2^2\,\left(-4\,r^2+r2^2\right)\mathrm{Cos}[2\,\theta 3]+16\,r\,r2^3\,\mathrm{Cos}[3\,\theta 3]+3\,r2^4\,\mathrm{Cos}[4\,\theta 3]\Big)\,(1+2\,\mathrm{Cos}[2\,\lambda])\,\mathrm{Csc}[\theta 3]^4\,\mathrm{Sin}[3\,\lambda 1]-72\,r2^4\,\mathrm{Sin}[\lambda 2]-\Big(64\,r^4+272\,r^2\,r2^2+89\,r2^4-16\,r\,r2\,\left(16\,r^2+17\,r2^2\right)\mathrm{Cos}[\theta 3]-28\,r2^2\,\left(-4\,r^2+r2^2\right)\mathrm{Cos}[2\,\theta 3]+16\,r\,r2^3\,\mathrm{Cos}[3\,\theta 3]+3\,r2^4\,\mathrm{Cos}[4\,\theta 3]\Big)\,(1+2\,\mathrm{Cos}[2\,\lambda])\,\mathrm{Csc}[\theta 3]^4\,\mathrm{Sin}[3\,\lambda 2]\Big)\Big)\Bigg)\Bigg)\,d\theta 3$$

In[ ]:= Vxxyθ3[θ3_] :=

$$\frac{1}{96\,r}\Bigg(-\Bigg(\Bigg(64\,r\,r1^2\,\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r1+r1^2}}\,\mathrm{Cos}[3\,\lambda-3\,\lambda 1]\,\mathrm{EllipticF}\Big[\frac{\theta 3}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Bigg)\Big/\left(\left(r^2-r1^2\right)\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\right)\Bigg)+\frac{16\,r1^4\,\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r1+r1^2}}\,\mathrm{Cos}[3\,\lambda-3\,\lambda 1]\,\mathrm{EllipticF}\Big[\frac{\theta 3}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]}{r\,\left(r^2-r1^2\right)\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}}+$$

$$\frac{48\, r1^4 \sqrt{\frac{r^2+r1^2-2\, r\, r1\, \mathrm{Cos}[\theta 3]}{r^2-2\, r\, r1+r1^2}}\, \mathrm{Cos}[\lambda-\lambda 1]\, \mathrm{EllipticF}\left[\frac{\theta 3}{2}, -\frac{4\, r\, r1}{r^2-2\, r\, r1+r1^2}\right]}{r\left(r^2-r1^2\right)\sqrt{r^2+r1^2-2\, r\, r1\, \mathrm{Cos}[\theta 3]}} +$$

$$\left(64\, r\, r1^2 \sqrt{\frac{r^2+r1^2-2\, r\, r1\, \mathrm{Cos}[\theta 3]}{r^2-2\, r\, r1+r1^2}}\, \mathrm{Cos}[3\,\lambda-3\,\lambda 2]\right.$$

$$\left.\mathrm{EllipticF}\left[\frac{\theta 3}{2}, -\frac{4\, r\, r1}{r^2-2\, r\, r1+r1^2}\right]\right) \Big/ \left(\left(r^2-r1^2\right)\sqrt{r^2+r1^2-2\, r\, r1\, \mathrm{Cos}[\theta 3]}\right) -$$

$$\frac{16\, r1^4 \sqrt{\frac{r^2+r1^2-2\, r\, r1\, \mathrm{Cos}[\theta 3]}{r^2-2\, r\, r1+r1^2}}\, \mathrm{Cos}[3\,\lambda-3\,\lambda 2]\, \mathrm{EllipticF}\left[\frac{\theta 3}{2}, -\frac{4\, r\, r1}{r^2-2\, r\, r1+r1^2}\right]}{r\left(r^2-r1^2\right)\sqrt{r^2+r1^2-2\, r\, r1\, \mathrm{Cos}[\theta 3]}} -$$

$$\frac{48\, r1^4 \sqrt{\frac{r^2+r1^2-2\, r\, r1\, \mathrm{Cos}[\theta 3]}{r^2-2\, r\, r1+r1^2}}\, \mathrm{Cos}[\lambda-\lambda 2]\, \mathrm{EllipticF}\left[\frac{\theta 3}{2}, -\frac{4\, r\, r1}{r^2-2\, r\, r1+r1^2}\right]}{r\left(r^2-r1^2\right)\sqrt{r^2+r1^2-2\, r\, r1\, \mathrm{Cos}[\theta 3]}} +$$

$$\left(64\, r\, r2^2 \sqrt{\frac{r^2+r2^2-2\, r\, r2\, \mathrm{Cos}[\theta 3]}{r^2-2\, r\, r2+r2^2}}\, \mathrm{Cos}[3\,\lambda-3\,\lambda 1]\right.$$

$$\left.\mathrm{EllipticF}\left[\frac{\theta 3}{2}, -\frac{4\, r\, r2}{r^2-2\, r\, r2+r2^2}\right]\right) \Big/ \left(\left(r^2-r2^2\right)\sqrt{r^2+r2^2-2\, r\, r2\, \mathrm{Cos}[\theta 3]}\right) -$$

$$\frac{16\, r2^4 \sqrt{\frac{r^2+r2^2-2\, r\, r2\, \mathrm{Cos}[\theta 3]}{r^2-2\, r\, r2+r2^2}}\, \mathrm{Cos}[3\,\lambda-3\,\lambda 1]\, \mathrm{EllipticF}\left[\frac{\theta 3}{2}, -\frac{4\, r\, r2}{r^2-2\, r\, r2+r2^2}\right]}{r\left(r^2-r2^2\right)\sqrt{r^2+r2^2-2\, r\, r2\, \mathrm{Cos}[\theta 3]}} -$$

$$\frac{48\, r2^4 \sqrt{\frac{r^2+r2^2-2\, r\, r2\, \mathrm{Cos}[\theta 3]}{r^2-2\, r\, r2+r2^2}}\, \mathrm{Cos}[\lambda-\lambda 1]\, \mathrm{EllipticF}\left[\frac{\theta 3}{2}, -\frac{4\, r\, r2}{r^2-2\, r\, r2+r2^2}\right]}{r\left(r^2-r2^2\right)\sqrt{r^2+r2^2-2\, r\, r2\, \mathrm{Cos}[\theta 3]}} -$$

$$\left(64\, r\, r2^2 \sqrt{\frac{r^2+r2^2-2\, r\, r2\, \mathrm{Cos}[\theta 3]}{r^2-2\, r\, r2+r2^2}}\, \mathrm{Cos}[3\,\lambda-3\,\lambda 2]\right.$$

$$\left.\mathrm{EllipticF}\left[\frac{\theta 3}{2}, -\frac{4\, r\, r2}{r^2-2\, r\, r2+r2^2}\right]\right) \Big/ \left(\left(r^2-r2^2\right)\sqrt{r^2+r2^2-2\, r\, r2\, \mathrm{Cos}[\theta 3]}\right) +$$

$$\frac{16\, r2^4 \sqrt{\frac{r^2+r2^2-2\, r\, r2\, \mathrm{Cos}[\theta 3]}{r^2-2\, r\, r2+r2^2}}\, \mathrm{Cos}[3\,\lambda-3\,\lambda 2]\, \mathrm{EllipticF}\left[\frac{\theta 3}{2}, -\frac{4\, r\, r2}{r^2-2\, r\, r2+r2^2}\right]}{r\left(r^2-r2^2\right)\sqrt{r^2+r2^2-2\, r\, r2\, \mathrm{Cos}[\theta 3]}} +$$

$$\frac{48\, r2^4 \sqrt{\frac{r^2+r2^2-2\, r\, r2\, \mathrm{Cos}[\theta 3]}{r^2-2\, r\, r2+r2^2}}\, \mathrm{Cos}[\lambda-\lambda 2]\, \mathrm{EllipticF}\left[\frac{\theta 3}{2}, -\frac{4\, r\, r2}{r^2-2\, r\, r2+r2^2}\right]}{r\left(r^2-r2^2\right)\sqrt{r^2+r2^2-2\, r\, r2\, \mathrm{Cos}[\theta 3]}} + \frac{1}{r^2-r1^2}\, 12$$

$$r1^3 \left(\text{Cos}[\lambda] \left(-\frac{1}{2\,r\,r1}\,\text{Cos}[\lambda 1] \left(\left(2\left(r^2-2\,r\,r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 3]}{r^2-2\,r\,r1+r1^2}}\right.\right.\right.\right.$$

$$\left.\text{EllipticE}\left[\frac{\theta 3}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 3]}\right)-$$

$$\left(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 3]}{r^2-2\,r\,r1+r1^2}}\,\text{EllipticF}\left[\frac{\theta 3}{2},\right.\right.$$

$$\left.\left.-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 3]}\right)\Bigg)-$$

$$\left(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 3]}{r^2+r1^2}}\left(-r^2-r1^2+r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 3]}{r^2+r1^2}}+\right.\right.$$

$$\left.r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 3]}{r^2+r1^2}}\right)\text{Sin}[\lambda 1]\Big/\Big(r\,r1$$

$$\left.\sqrt{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 3]}\right)\Bigg)+\text{Sin}[\lambda]\left(\left(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 3]}{r^2+r1^2}}\left(-r^2-\right.\right.\right.$$

$$\left.r1^2+r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 3]}{r^2+r1^2}}+r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 3]}{r^2+r1^2}}\right)$$

$$\text{Cos}[\lambda 1]\Big)\Big/\left(r\,r1\sqrt{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 3]}\right)-$$

$$\frac{1}{2\,r\,r1}\left(\left(2\left(r^2-2\,r\,r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 3]}{r^2-2\,r\,r1+r1^2}}\,\text{EllipticE}\left[\frac{\theta 3}{2},\right.\right.\right.$$

$$\left.\left.-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 3]}\right)-\left(2\left(r^2+r1^2\right)\right.$$

$$\left.\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 3]}{r^2-2\,r\,r1+r1^2}}\,\text{EllipticF}\left[\frac{\theta 3}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\right)\Big/$$

$$\left.\left.\left.\left(\sqrt{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 3]}\right)\right)\text{Sin}[\lambda 1]\right)\right)-\frac{1}{r^2\left(r^2-r1^2\right)}\,24\,r1^5$$

$$\left(\text{Cos}[\lambda]\left(-\frac{1}{2\,r\,r1}\,\text{Cos}[\lambda 1]\left(\left(2\left(r^2-2\,r\,r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 3]}{r^2-2\,r\,r1+r1^2}}\right.\right.\right.\right.$$

$$\text{EllipticE}\left[\frac{\theta 3}{2}, -\frac{4\, r\, r1}{r^2 - 2\, r\, r1 + r1^2}\right]\Bigg) \Big/ \left(\sqrt{r^2 + r1^2 - 2\, r\, r1\, \text{Cos}[\theta 3]}\right) -$$

$$\left(2\left(r^2 + r1^2\right)\sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \text{Cos}[\theta 3]}{r^2 - 2\, r\, r1 + r1^2}}\ \text{EllipticF}\left[\frac{\theta 3}{2},\right.\right.$$

$$\left.\left.-\frac{4\, r\, r1}{r^2 - 2\, r\, r1 + r1^2}\right]\right) \Big/ \left(\sqrt{r^2 + r1^2 - 2\, r\, r1\, \text{Cos}[\theta 3]}\right)\Bigg) -$$

$$\left(\sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \text{Cos}[\theta 3]}{r^2 + r1^2}}\left(-r^2 - r1^2 + r^2\sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \text{Cos}[\theta 3]}{r^2 + r1^2}} +\right.\right.$$

$$\left.\left. r1^2\sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \text{Cos}[\theta 3]}{r^2 + r1^2}}\right)\text{Sin}[\lambda 1]\right) \Big/ \Big(r\, r1$$

$$\left.\sqrt{r^2 + r1^2 - 2\, r\, r1\, \text{Cos}[\theta 3]}\right)\Bigg) + \text{Sin}[\lambda]\left(\left(\sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \text{Cos}[\theta 3]}{r^2 + r1^2}}\left(-r^2 -\right.\right.\right.$$

$$\left.\left. r1^2 + r^2\sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \text{Cos}[\theta 3]}{r^2 + r1^2}} + r1^2\sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \text{Cos}[\theta 3]}{r^2 + r1^2}}\right)\right.$$

$$\text{Cos}[\lambda 1]\Bigg) \Big/ \left(r\, r1\sqrt{r^2 + r1^2 - 2\, r\, r1\, \text{Cos}[\theta 3]}\right) -$$

$$\frac{1}{2\, r\, r1}\left(\left(2\left(r^2 - 2\, r\, r1 + r1^2\right)\sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \text{Cos}[\theta 3]}{r^2 - 2\, r\, r1 + r1^2}}\ \text{EllipticE}\left[\frac{\theta 3}{2},\right.\right.\right.$$

$$\left.\left.-\frac{4\, r\, r1}{r^2 - 2\, r\, r1 + r1^2}\right]\right) \Big/ \left(\sqrt{r^2 + r1^2 - 2\, r\, r1\, \text{Cos}[\theta 3]}\right) - \Bigg(2\left(r^2 + r1^2\right)$$

$$\sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \text{Cos}[\theta 3]}{r^2 - 2\, r\, r1 + r1^2}}\ \text{EllipticF}\left[\frac{\theta 3}{2}, -\frac{4\, r\, r1}{r^2 - 2\, r\, r1 + r1^2}\right]\Bigg) \Big/$$

$$\left.\left.\left(\sqrt{r^2 + r1^2 - 2\, r\, r1\, \text{Cos}[\theta 3]}\right)\right)\text{Sin}[\lambda 1]\right)\right) + \frac{1}{r^2 - r1^2}\ 12\, r1^3$$

$$\left(\text{Cos}[\lambda]\left(-\frac{1}{2\, r\, r1}\ \text{Cos}[\lambda 1]\left(\left(2\left(r^2 - 2\, r\, r1 + r1^2\right)\sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \text{Cos}[\theta 3]}{r^2 - 2\, r\, r1 + r1^2}}\right.\right.\right.\right.$$

$$\text{EllipticE}\left[\frac{\theta 3}{2}, -\frac{4\, r\, r1}{r^2 - 2\, r\, r1 + r1^2}\right]\Bigg) \Big/ \left(\sqrt{r^2 + r1^2 - 2\, r\, r1\, \text{Cos}[\theta 3]}\right) -$$

$$\left(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticF}\left[\frac{\theta 3}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\right)\Bigg)+$$

$$\left(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}\left(-r^2-r1^2+r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}+r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}\right)\mathrm{Sin}[\lambda 1]\right)\Big/$$

$$\left(r\,r1\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\right)\Bigg)-\mathrm{Sin}[\lambda]$$

$$\left(\left(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}\left(-r^2-r1^2+r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}+r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}\right)\right.\right.$$

$$\left.\mathrm{Cos}[\lambda 1]\right)\Big/\left(r\,r1\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\right)+$$

$$\frac{1}{2\,r\,r1}\left(\left(2\left(r^2-2\,r\,r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticE}\left[\frac{\theta 3}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\right)-\left(2\left(r^2+r1^2\right)\right.\right.$$

$$\left.\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticF}\left[\frac{\theta 3}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\right)\Big/$$

$$\left.\left.\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\right)\right)\mathrm{Sin}[\lambda 1]\right)\right)-\frac{1}{r^2\left(r^2-r1^2\right)}\,24\,r1^5$$

$$\left(\mathrm{Cos}[\lambda]\left(-\frac{1}{2\,r\,r1}\,\mathrm{Cos}[\lambda 1]\left(\left(2\left(r^2-2\,r\,r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r1+r1^2}}\right.\right.\right.\right.$$

$$\left.\mathrm{EllipticE}\left[\frac{\theta 3}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\right)-$$

$$\left(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticF}\left[\frac{\theta 3}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\right)\Bigg)+$$

$$\left(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}\left(-r^2-r1^2+r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}+r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}\right)\mathrm{Sin}[\lambda 1]\right)\Big/$$

$$\left(r\,r1\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\right)\Bigg)-\mathrm{Sin}[\lambda]$$

$$\left(\left(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}\left(-r^2-r1^2+r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}+r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}\right)\right.\right.$$

$$\left.\mathrm{Cos}[\lambda 1]\right)\Big/\left(r\,r1\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\right)+$$

$$\frac{1}{2\,r\,r1}\left(\left(2\left(r^2-2\,r\,r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticE}\left[\frac{\theta 3}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\right)-\left(2\left(r^2+r1^2\right)\right.\right.$$

$$\left.\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticF}\left[\frac{\theta 3}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\right)\Big/$$

$$\left.\left.\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\right)\right)\mathrm{Sin}[\lambda 1]\right)\right)-\frac{1}{r^2-r2^2}\,12\,r2^3$$

$$\left(\mathrm{Cos}[\lambda]\left(-\frac{1}{2\,r\,r2}\,\mathrm{Cos}[\lambda 1]\left(\left(2\left(r^2-2\,r\,r2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r2+r2^2}}\right.\right.\right.\right.$$

$$\left.\mathrm{EllipticE}\left[\frac{\theta 3}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\right)-$$

$$\left(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticF}\left[\frac{\theta 3}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\right)\Bigg)-$$

$$\left(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}\left(-r^2-r2^2+r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}+r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}\right)\mathrm{Sin}[\lambda 1]\right)\Big/$$

$$\left(r\,r2\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\right)\Bigg)+\mathrm{Sin}[\lambda]$$

$$\left(\left(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}\left(-r^2-r2^2+r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}+r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}\right)\right.\right.$$

$$\left.\mathrm{Cos}[\lambda 1]\right)\Big/\left(r\,r2\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\right)-$$

$$\frac{1}{2\,r\,r2}\left(\left(2\left(r^2-2\,r\,r2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticE}\left[\frac{\theta 3}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\right)-\left(2\left(r^2+r2^2\right)\right.\right.$$

$$\left.\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticF}\left[\frac{\theta 3}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Big/$$

$$\left.\left.\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\right)\right)\mathrm{Sin}[\lambda 1]\right)\right)+\frac{1}{r^2\left(r^2-r2^2\right)}\,24\,r2^5$$

$$\left(\mathrm{Cos}[\lambda]\left(-\frac{1}{2\,r\,r2}\,\mathrm{Cos}[\lambda 1]\left(\left(2\left(r^2-2\,r\,r2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r2+r2^2}}\right.\right.\right.\right.$$

$$\left.\mathrm{EllipticE}\left[\frac{\theta 3}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\right)-$$

$$\left(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticF}\left[\frac{\theta 3}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\right)\Bigg)-$$

$$\left(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}\left(-r^2-r2^2+r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}+r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}\right)\mathrm{Sin}[\lambda 1]\right)\Big/$$

$$\left(r\,r2\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\right)\Bigg)+\mathrm{Sin}[\lambda]$$

$$\left(\left(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}\left(-r^2-r2^2+r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}+r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}\right)\right.\right.$$

$$\left.\mathrm{Cos}[\lambda 1]\right)\Big/\left(r\,r2\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\right)-$$

$$\frac{1}{2\,r\,r2}\left(\left(2\left(r^2-2\,r\,r2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticE}\left[\frac{\theta 3}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\right)-\left(2\left(r^2+r2^2\right)\right.\right.$$

$$\left.\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticF}\left[\frac{\theta 3}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Big/$$

$$\left.\left.\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\right)\right)\mathrm{Sin}[\lambda 1]\right)\right)-\frac{1}{r^2-r2^2}\,12\,r2^3$$

$$\left(\mathrm{Cos}[\lambda]\left(-\frac{1}{2\,r\,r2}\,\mathrm{Cos}[\lambda 1]\left(\left(2\left(r^2-2\,r\,r2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r2+r2^2}}\right.\right.\right.\right.$$

$$\left.\mathrm{EllipticE}\left[\frac{\theta 3}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\right)-$$

$$\left(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta3]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticF}\left[\frac{\theta3}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta3]}\right)\Bigg)+$$

$$\left(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta3]}{r^2+r2^2}}\left(-r^2-r2^2+r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta3]}{r^2+r2^2}}+r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta3]}{r^2+r2^2}}\right)\mathrm{Sin}[\lambda1]\right)\Big/$$

$$\left(r\,r2\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta3]}\right)\Bigg)-\mathrm{Sin}[\lambda]$$

$$\left(\left(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta3]}{r^2+r2^2}}\left(-r^2-r2^2+r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta3]}{r^2+r2^2}}+r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta3]}{r^2+r2^2}}\right)\right.\right.$$

$$\left.\mathrm{Cos}[\lambda1]\right)\Big/\left(r\,r2\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta3]}\right)+$$

$$\frac{1}{2\,r\,r2}\left(\left(2\left(r^2-2\,r\,r2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta3]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticE}\left[\frac{\theta3}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta3]}\right)-\left(2\left(r^2+r2^2\right)\right.\right.$$

$$\left.\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta3]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticF}\left[\frac{\theta3}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Big/$$

$$\left.\left.\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta3]}\right)\right)\mathrm{Sin}[\lambda1]\right)\right)+\frac{1}{r^2\left(r^2-r2^2\right)}\,24\,r2^5$$

$$\left(\mathrm{Cos}[\lambda]\left(-\frac{1}{2\,r\,r2}\,\mathrm{Cos}[\lambda1]\left(\left(2\left(r^2-2\,r\,r2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta3]}{r^2-2\,r\,r2+r2^2}}\right.\right.\right.\right.$$

$$\left.\mathrm{EllipticE}\left[\frac{\theta3}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta3]}\right)-$$

$$\left(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticF}\left[\frac{\theta 3}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\right)\Bigg)+$$

$$\left(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}\left(-r^2-r2^2+r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}+r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}\right)\mathrm{Sin}[\lambda 1]\right)\Big/$$

$$\left(r\,r2\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\right)\Bigg)-\mathrm{Sin}[\lambda]$$

$$\left(\left(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}\left(-r^2-r2^2+r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}+r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}\right)\right.\right.$$

$$\left.\mathrm{Cos}[\lambda 1]\right)\Big/\left(r\,r2\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\right)+$$

$$\frac{1}{2\,r\,r2}\left(\left(2\left(r^2-2\,r\,r2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticE}\left[\frac{\theta 3}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\right)-\right.$$

$$\left.\left(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticF}\left[\frac{\theta 3}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\right)\right)\mathrm{Sin}[\lambda 1]\Bigg)\Bigg)+$$

$$\frac{1}{r^2-r1^2}\,32\,r^2\,r1\left(\mathrm{Cos}[\lambda]\,(-1+2\,\mathrm{Cos}[2\,\lambda])\left(-\frac{1}{2\,r\,r1}\,\mathrm{Cos}[3\,\lambda 1]\right.\right.$$

$$\left(\left(2\left(r^2-2\,r\,r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r1+r1^2}}\right.\right.$$

$$\text{EllipticE}\left[\frac{\theta 3}{2}, -\frac{4\, r\, r1}{r^2 - 2\, r\, r1 + r1^2}\right]\Bigg) \Big/ \left(\sqrt{r^2 + r1^2 - 2\, r\, r1\, \text{Cos}[\theta 3]}\right) -$$

$$\left(2\left(r^2 + r1^2\right)\sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \text{Cos}[\theta 3]}{r^2 - 2\, r\, r1 + r1^2}}\ \text{EllipticF}\left[\frac{\theta 3}{2},\right.\right.$$

$$\left.\left.-\frac{4\, r\, r1}{r^2 - 2\, r\, r1 + r1^2}\right]\right) \Big/ \left(\sqrt{r^2 + r1^2 - 2\, r\, r1\, \text{Cos}[\theta 3]}\right)\Bigg) -$$

$$\left(\sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \text{Cos}[\theta 3]}{r^2 + r1^2}}\left(-r^2 - r1^2 + r^2\sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \text{Cos}[\theta 3]}{r^2 + r1^2}} +\right.\right.$$

$$\left.\left. r1^2\sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \text{Cos}[\theta 3]}{r^2 + r1^2}}\right)(1 + 2\, \text{Cos}[2\, \lambda 1])\, \text{Sin}[\lambda 1]\right) \Big/$$

$$\left(r\, r1\sqrt{r^2 + r1^2 - 2\, r\, r1\, \text{Cos}[\theta 3]}\right)\Bigg) + (1 + 2\, \text{Cos}[2\, \lambda])\, \text{Sin}[\lambda]$$

$$\left(\left(\sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \text{Cos}[\theta 3]}{r^2 + r1^2}}\left(-r^2 - r1^2 + r^2\sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \text{Cos}[\theta 3]}{r^2 + r1^2}} +\right.\right.\right.$$

$$\left.\left. r1^2\sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \text{Cos}[\theta 3]}{r^2 + r1^2}}\right)\text{Cos}[\lambda 1]$$

$$(-1 + 2\, \text{Cos}[2\, \lambda 1])\Bigg) \Big/ \left(r\, r1\sqrt{r^2 + r1^2 - 2\, r\, r1\, \text{Cos}[\theta 3]}\right) -$$

$$\frac{1}{2\, r\, r1}\left(\left(2\left(r^2 - 2\, r\, r1 + r1^2\right)\sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \text{Cos}[\theta 3]}{r^2 - 2\, r\, r1 + r1^2}}\ \text{EllipticE}\left[\right.\right.\right.$$

$$\left.\left.\frac{\theta 3}{2}, -\frac{4\, r\, r1}{r^2 - 2\, r\, r1 + r1^2}\right]\right) \Big/ \left(\sqrt{r^2 + r1^2 - 2\, r\, r1\, \text{Cos}[\theta 3]}\right) -$$

$$\left(2\left(r^2 + r1^2\right)\sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \text{Cos}[\theta 3]}{r^2 - 2\, r\, r1 + r1^2}}\ \text{EllipticF}\left[\frac{\theta 3}{2},\right.\right.$$

$$\left.\left.\left.-\frac{4\, r\, r1}{r^2 - 2\, r\, r1 + r1^2}\right]\right) \Big/ \left(\sqrt{r^2 + r1^2 - 2\, r\, r1\, \text{Cos}[\theta 3]}\right)\right)\text{Sin}[3\, \lambda 1]\right)\right) -$$

$$\frac{1}{r^2 - r1^2}\, 12\, r1^3\left(\text{Cos}[\lambda]\,(-1 + 2\, \text{Cos}[2\, \lambda])\left(-\frac{1}{2\, r\, r1}\, \text{Cos}[3\, \lambda 1]\right.\right.$$

$$\left(\left(2\left(r^2-2\,r\,r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r1+r1^2}}\right.\right.$$

$$\left.\mathrm{EllipticE}\left[\frac{\theta 3}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\right)-$$

$$\left(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticF}\left[\frac{\theta 3}{2},\right.\right.$$

$$\left.\left.-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\right)\Bigg)-$$

$$\left(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}\left(-r^2-r1^2+r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}+\right.\right.$$

$$\left.\left.r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}\right)(1+2\,\mathrm{Cos}[2\,\lambda 1])\,\mathrm{Sin}[\lambda 1]\right)\Big/$$

$$\left.\left(r\,r1\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\right)\right)+(1+2\,\mathrm{Cos}[2\,\lambda])\,\mathrm{Sin}[\lambda]$$

$$\left(\left(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}\left(-r^2-r1^2+r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}+\right.\right.\right.$$

$$\left.r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}\right)\mathrm{Cos}[\lambda 1]$$

$$\left.(-1+2\,\mathrm{Cos}[2\,\lambda 1])\right)\Big/\left(r\,r1\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\right)-$$

$$\frac{1}{2\,r\,r1}\left(\left(2\left(r^2-2\,r\,r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticE}\Big[\right.\right.$$

$$\left.\frac{\theta 3}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\Big)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\right)-$$

$$\left(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticF}\left[\frac{\theta 3}{2},\right.\right.$$

$$\left.\left.\left.-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\right)\right)\mathrm{Sin}[3\,\lambda 1]\right)\Bigg)-$$

$$\frac{1}{r^2\left(r^2-r1^2\right)}\,8\,r1^5\left(\mathrm{Cos}[\lambda]\,(-1+2\,\mathrm{Cos}[2\,\lambda])\left(-\frac{1}{2\,r\,r1}\,\mathrm{Cos}[3\,\lambda1]\right.\right.$$

$$\left(\left(2\left(r^2-2\,r\,r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta3]}{r^2-2\,r\,r1+r1^2}}\right.\right.$$

$$\left.\mathrm{EllipticE}\left[\frac{\theta3}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta3]}\right)-$$

$$\left(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta3]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticF}\left[\frac{\theta3}{2},\right.\right.$$

$$\left.\left.-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta3]}\right)\Bigg)-$$

$$\left(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta3]}{r^2+r1^2}}\left(-r^2-r1^2+r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta3]}{r^2+r1^2}}+\right.\right.$$

$$\left.\left.r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta3]}{r^2+r1^2}}\right)(1+2\,\mathrm{Cos}[2\,\lambda1])\,\mathrm{Sin}[\lambda1]\right)\Big/$$

$$\left.\left(r\,r1\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta3]}\right)\right)+(1+2\,\mathrm{Cos}[2\,\lambda])\,\mathrm{Sin}[\lambda]$$

$$\left(\left(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta3]}{r^2+r1^2}}\left(-r^2-r1^2+r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta3]}{r^2+r1^2}}+\right.\right.\right.$$

$$\left.r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta3]}{r^2+r1^2}}\right)\mathrm{Cos}[\lambda1]$$

$$\left.(-1+2\,\mathrm{Cos}[2\,\lambda1])\right)\Big/\left(r\,r1\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta3]}\right)-$$

$$\frac{1}{2\,r\,r1}\left(\left(2\left(r^2-2\,r\,r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta3]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticE}\Big[\right.\right.$$

$$\left.\frac{\theta3}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\Big)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta3]}\right)-$$

$$\left(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta3]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticF}\left[\frac{\theta3}{2},\right.\right.$$

$$-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Big)\Big/\Big(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\Big)\Big)\,\mathrm{Sin}[3\,\lambda 1]\Big)\Big)+$$

$$\frac{1}{r^2-r1^2}\,32\,r^2\,r1\Big(\mathrm{Cos}[\lambda]\,(-1+2\,\mathrm{Cos}[2\,\lambda])\Big(-\frac{1}{2\,r\,r1}\,\mathrm{Cos}[3\,\lambda 1]$$

$$\Big(\Big(2\,(r^2-2\,r\,r1+r1^2)\,\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r1+r1^2}}$$

$$\mathrm{EllipticE}\Big[\frac{\theta 3}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Big)\Big/\Big(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\Big)-$$

$$\Big(2\,(r^2+r1^2)\,\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r1+r1^2}}\,\mathrm{EllipticF}\Big[\frac{\theta 3}{2},$$

$$-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Big)\Big/\Big(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\Big)\Big)+$$

$$\Big(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}\,\Big(-r^2-r1^2+r^2\,\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}+$$

$$r1^2\,\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}\Big)\,(1+2\,\mathrm{Cos}[2\,\lambda 1])\,\mathrm{Sin}[\lambda 1]\Big)\Big/$$

$$\Big(r\,r1\,\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\Big)\Big)-(1+2\,\mathrm{Cos}[2\,\lambda])\,\mathrm{Sin}[\lambda]$$

$$\Big(\Big(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}\,\Big(-r^2-r1^2+r^2\,\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}+$$

$$r1^2\,\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}\Big)\,\mathrm{Cos}[\lambda 1]$$

$$(-1+2\,\mathrm{Cos}[2\,\lambda 1])\Big)\Big/\Big(r\,r1\,\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\Big)+$$

$$\frac{1}{2\,r\,r1}\Big(\Big(2\,(r^2-2\,r\,r1+r1^2)\,\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r1+r1^2}}\,\mathrm{EllipticE}\Big[$$

$$\frac{\theta 3}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Big)\Big/\Big(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\Big)-$$

$$\left(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticF}\left[\frac{\theta 3}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\right)\Bigg)\mathrm{Sin}[3\,\lambda 1]\Bigg)\Bigg)-$$

$$\frac{1}{r^2-r1^2}\,12\,r1^3\Bigg(\mathrm{Cos}[\lambda]\,(-1+2\,\mathrm{Cos}[2\,\lambda])\Bigg(-\frac{1}{2\,r\,r1}\,\mathrm{Cos}[3\,\lambda 1]$$

$$\Bigg(\Bigg(2\left(r^2-2\,r\,r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r1+r1^2}}$$

$$\mathrm{EllipticE}\left[\frac{\theta 3}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\Bigg)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\right)-$$

$$\left(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticF}\left[\frac{\theta 3}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\right)\Bigg)+$$

$$\left(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}\left(-r^2-r1^2+r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}+\right.\right.$$

$$\left.\left.r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}\right)(1+2\,\mathrm{Cos}[2\,\lambda 1])\,\mathrm{Sin}[\lambda 1]\right)\Big/$$

$$\left(r\,r1\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\right)\Bigg)-(1+2\,\mathrm{Cos}[2\,\lambda])\,\mathrm{Sin}[\lambda]$$

$$\Bigg(\Bigg(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}\left(-r^2-r1^2+r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}+\right.$$

$$\left.r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}\right)\mathrm{Cos}[\lambda 1]$$

$$(-1+2\,\mathrm{Cos}[2\,\lambda 1])\Bigg)\Big/\left(r\,r1\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\right)+$$

$$\frac{1}{2\,r\,r1}\Bigg(\Bigg(2\left(r^2-2\,r\,r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticE}\Big[$$

$$\frac{\theta 3}{2}, -\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Big)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\right)-$$

$$\left(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticF}\Big[\frac{\theta 3}{2},\right.$$

$$\left.-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\right)\Big)\,\mathrm{Sin}[3\,\lambda 1]\Big)\Big)-$$

$$\frac{1}{r^2\left(r^2-r1^2\right)}\,8\,r1^5\Big(\mathrm{Cos}[\lambda]\,(-1+2\,\mathrm{Cos}[2\,\lambda])\Big(-\frac{1}{2\,r\,r1}\,\mathrm{Cos}[3\,\lambda 1]$$

$$\Big(\Big(2\left(r^2-2\,r\,r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r1+r1^2}}$$

$$\mathrm{EllipticE}\Big[\frac{\theta 3}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Big)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\right)-$$

$$\left(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticF}\Big[\frac{\theta 3}{2},\right.$$

$$\left.-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\right)\Big)+$$

$$\Big(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}\Big(-r^2-r1^2+r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}+$$

$$r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}\Big)\,(1+2\,\mathrm{Cos}[2\,\lambda 1])\,\mathrm{Sin}[\lambda 1]\Big)\Big/$$

$$\left(r\,r1\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\right)\Big)-(1+2\,\mathrm{Cos}[2\,\lambda])\,\mathrm{Sin}[\lambda]$$

$$\Big(\Big(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}\Big(-r^2-r1^2+r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}+$$

$$r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}\Big)\,\mathrm{Cos}[\lambda 1]$$

$$(-1+2\,\mathrm{Cos}[2\,\lambda 1])\Big)\Big/\left(r\,r1\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\right)+$$

$$\frac{1}{2\,r\,r1}\left(\left(2\left(r^2-2\,r\,r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticE}\left[\frac{\theta 3}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\right)-\left(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticF}\left[\frac{\theta 3}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\right)\right)\mathrm{Sin}[3\,\lambda 1]\right)\right)-$$

$$\frac{1}{r^2-r2^2}\,32\,r^2\,r2\left(\mathrm{Cos}[\lambda]\,(-1+2\,\mathrm{Cos}[2\,\lambda])\left(-\frac{1}{2\,r\,r2}\,\mathrm{Cos}[3\,\lambda 1]\right.\right.$$

$$\left(\left(2\left(r^2-2\,r\,r2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r2+r2^2}}\right.\right.$$

$$\left.\mathrm{EllipticE}\left[\frac{\theta 3}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\right)-$$

$$\left(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticF}\left[\frac{\theta 3}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\right)\Bigg)-$$

$$\left(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}\left(-r^2-r2^2+r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}+r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}\right)(1+2\,\mathrm{Cos}[2\,\lambda 1])\,\mathrm{Sin}[\lambda 1]\right)\Big/$$

$$\left(r\,r2\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\right)\Bigg)+(1+2\,\mathrm{Cos}[2\,\lambda])\,\mathrm{Sin}[\lambda]$$

$$\left(\left(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}\left(-r^2-r2^2+r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}+r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}\right)\mathrm{Cos}[\lambda 1]\right.\right.$$

$$(-1+2\,\mathrm{Cos}[2\,\lambda 1])\Big)\Big/\Big(r\,r2\,\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\Big)-$$

$$\frac{1}{2\,r\,r2}\Bigg(\Bigg(2\,(r^2-2\,r\,r2+r2^2)\,\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r2+r2^2}}\,\mathrm{EllipticE}\Big[$$

$$\frac{\theta 3}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\Bigg)\Big/\Big(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\Big)-$$

$$\Bigg(2\,(r^2+r2^2)\,\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r2+r2^2}}\,\mathrm{EllipticF}\Big[\frac{\theta 3}{2},$$

$$-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\Bigg)\Big/\Big(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\Big)\Bigg)\,\mathrm{Sin}[3\,\lambda 1]\Bigg)\Bigg)+$$

$$\frac{1}{r^2-r2^2}\,12\,r2^3\Bigg(\mathrm{Cos}[\lambda]\,(-1+2\,\mathrm{Cos}[2\,\lambda])\Bigg(-\frac{1}{2\,r\,r2}\,\mathrm{Cos}[3\,\lambda 1]$$

$$\Bigg(\Bigg(2\,(r^2-2\,r\,r2+r2^2)\,\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r2+r2^2}}$$

$$\mathrm{EllipticE}\Big[\frac{\theta 3}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\Bigg)\Big/\Big(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\Big)-$$

$$\Bigg(2\,(r^2+r2^2)\,\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r2+r2^2}}\,\mathrm{EllipticF}\Big[\frac{\theta 3}{2},$$

$$-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\Bigg)\Big/\Big(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\Big)\Bigg)-$$

$$\Bigg(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}\,\Bigg(-r^2-r2^2+r^2\,\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}+$$

$$r2^2\,\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}\Bigg)\,(1+2\,\mathrm{Cos}[2\,\lambda 1])\,\mathrm{Sin}[\lambda 1]\Bigg)\Big/$$

$$\Big(r\,r2\,\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\Big)\Bigg)+(1+2\,\mathrm{Cos}[2\,\lambda])\,\mathrm{Sin}[\lambda]$$

$$\Bigg(\Bigg(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}\,\Bigg(-r^2-r2^2+r^2\,\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}+$$

$$r2^2 \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}{r^2 + r2^2}}\Bigg) \mathrm{Cos}[\lambda 1]$$

$$(-1 + 2\, \mathrm{Cos}[2\, \lambda 1])\Bigg) \Big/ \left(r\, r2\, \sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}\right) -$$

$$\frac{1}{2\, r\, r2} \Bigg(\Bigg(2\, (r^2 - 2\, r\, r2 + r2^2) \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}{r^2 - 2\, r\, r2 + r2^2}}\, \mathrm{EllipticE}\Big[$$

$$\frac{\theta 3}{2}, -\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\Big]\Bigg) \Big/ \left(\sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}\right) -$$

$$\Bigg(2\, (r^2 + r2^2) \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}{r^2 - 2\, r\, r2 + r2^2}}\, \mathrm{EllipticF}\Big[\frac{\theta 3}{2},$$

$$-\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\Big]\Bigg) \Big/ \left(\sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}\right)\Bigg) \mathrm{Sin}[3\, \lambda 1]\Bigg)\Bigg) +$$

$$\frac{1}{r^2\, (r^2 - r2^2)}\, 8\, r2^5 \Bigg(\mathrm{Cos}[\lambda]\, (-1 + 2\, \mathrm{Cos}[2\, \lambda])\, \Bigg(-\frac{1}{2\, r\, r2}\, \mathrm{Cos}[3\, \lambda 1]$$

$$\Bigg(\Bigg(2\, (r^2 - 2\, r\, r2 + r2^2) \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}{r^2 - 2\, r\, r2 + r2^2}}$$

$$\mathrm{EllipticE}\Big[\frac{\theta 3}{2}, -\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\Big]\Bigg) \Big/ \left(\sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}\right) -$$

$$\Bigg(2\, (r^2 + r2^2) \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}{r^2 - 2\, r\, r2 + r2^2}}\, \mathrm{EllipticF}\Big[\frac{\theta 3}{2},$$

$$-\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\Big]\Bigg) \Big/ \left(\sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}\right)\Bigg) -$$

$$\Bigg(\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}{r^2 + r2^2}}\, \Bigg(-r^2 - r2^2 + r^2 \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}{r^2 + r2^2}} +$$

$$r2^2 \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}{r^2 + r2^2}}\Bigg)\, (1 + 2\, \mathrm{Cos}[2\, \lambda 1])\, \mathrm{Sin}[\lambda 1]\Bigg) \Big/$$

$$\left(r\, r2\, \sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}\right)\Bigg) + (1 + 2\, \mathrm{Cos}[2\, \lambda])\, \mathrm{Sin}[\lambda]$$

$$\left(\left(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}\left(-r^2-r2^2+r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}+\right.\right.\right.$$

$$\left.r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}\right)\mathrm{Cos}[\lambda 1]$$

$$\left.(-1+2\,\mathrm{Cos}[2\,\lambda 1])\right)\Big/\left(r\,r2\,\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\right)-$$

$$\frac{1}{2\,r\,r2}\left(\left(2\left(r^2-2\,r\,r2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r2+r2^2}}\,\mathrm{EllipticE}\Big[\right.\right.$$

$$\left.\frac{\theta 3}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\right)-$$

$$\left(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r2+r2^2}}\,\mathrm{EllipticF}\Big[\frac{\theta 3}{2},\right.$$

$$\left.\left.\left.-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\right)\right)\mathrm{Sin}[3\,\lambda 1]\right)\right)-$$

$$\frac{1}{r^2-r2^2}\,32\,r^2\,r2\left(\mathrm{Cos}[\lambda]\,(-1+2\,\mathrm{Cos}[2\,\lambda])\left(-\frac{1}{2\,r\,r2}\,\mathrm{Cos}[3\,\lambda 1]\right.\right.$$

$$\left(\left(2\left(r^2-2\,r\,r2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r2+r2^2}}\right.\right.$$

$$\left.\mathrm{EllipticE}\Big[\frac{\theta 3}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\right)-$$

$$\left(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r2+r2^2}}\,\mathrm{EllipticF}\Big[\frac{\theta 3}{2},\right.$$

$$\left.\left.-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\right)\right)+$$

$$\left(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}\left(-r^2-r2^2+r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}+\right.\right.$$

$$\left.\left.r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}\right)(1+2\,\mathrm{Cos}[2\,\lambda 1])\,\mathrm{Sin}[\lambda 1]\right)\Big/$$

$$\left(r\, r2\, \sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}\right)\Bigg) - (1 + 2\, \mathrm{Cos}[2\, \lambda])\, \mathrm{Sin}[\lambda]$$

$$\Bigg(\Bigg(\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}{r^2 + r2^2}}\, \Bigg(-r^2 - r2^2 + r^2\, \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}{r^2 + r2^2}} +$$

$$r2^2\, \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}{r^2 + r2^2}}\Bigg)\, \mathrm{Cos}[\lambda 1]$$

$$(-1 + 2\, \mathrm{Cos}[2\, \lambda 1])\Bigg) \Big/ \left(r\, r2\, \sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}\right) +$$

$$\frac{1}{2\, r\, r2}\, \Bigg(\Bigg(2\, \left(r^2 - 2\, r\, r2 + r2^2\right)\, \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}{r^2 - 2\, r\, r2 + r2^2}}\, \mathrm{EllipticE}\Big[$$

$$\frac{\theta 3}{2}, -\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\Big]\Bigg) \Big/ \left(\sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}\right) -$$

$$\Bigg(2\, \left(r^2 + r2^2\right)\, \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}{r^2 - 2\, r\, r2 + r2^2}}\, \mathrm{EllipticF}\Big[\frac{\theta 3}{2},$$

$$-\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\Big]\Bigg) \Big/ \left(\sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}\right)\Bigg)\, \mathrm{Sin}[3\, \lambda 1]\Bigg)\Bigg) +$$

$$\frac{1}{r^2 - r2^2}\, 12\, r2^3\, \Bigg(\mathrm{Cos}[\lambda]\, (-1 + 2\, \mathrm{Cos}[2\, \lambda])\, \Bigg(-\frac{1}{2\, r\, r2}\, \mathrm{Cos}[3\, \lambda 1]$$

$$\Bigg(\Bigg(2\, \left(r^2 - 2\, r\, r2 + r2^2\right)\, \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}{r^2 - 2\, r\, r2 + r2^2}}$$

$$\mathrm{EllipticE}\Big[\frac{\theta 3}{2}, -\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\Big]\Bigg) \Big/ \left(\sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}\right) -$$

$$\Bigg(2\, \left(r^2 + r2^2\right)\, \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}{r^2 - 2\, r\, r2 + r2^2}}\, \mathrm{EllipticF}\Big[\frac{\theta 3}{2},$$

$$-\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\Big]\Bigg) \Big/ \left(\sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}\right)\Bigg) +$$

$$\Bigg(\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}{r^2 + r2^2}}\, \Bigg(-r^2 - r2^2 + r^2\, \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}{r^2 + r2^2}} +$$

$$r2^2 \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}{r^2 + r2^2}}\Bigg) (1 + 2\, \mathrm{Cos}[2\, \lambda 1])\, \mathrm{Sin}[\lambda 1]\Bigg) \Big/$$

$$\left(r\, r2\, \sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}\right)\Bigg) - (1 + 2\, \mathrm{Cos}[2\, \lambda])\, \mathrm{Sin}[\lambda]$$

$$\Bigg(\Bigg(\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}{r^2 + r2^2}}\, \Bigg(-r^2 - r2^2 + r^2 \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}{r^2 + r2^2}} +$$

$$r2^2 \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}{r^2 + r2^2}}\Bigg) \mathrm{Cos}[\lambda 1]$$

$$(-1 + 2\, \mathrm{Cos}[2\, \lambda 1])\Bigg) \Big/ \left(r\, r2\, \sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}\right) +$$

$$\frac{1}{2\, r\, r2} \Bigg(\Bigg(2\, (r^2 - 2\, r\, r2 + r2^2) \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}{r^2 - 2\, r\, r2 + r2^2}}\, \mathrm{EllipticE}\Big[$$

$$\frac{\theta 3}{2}, -\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\Big]\Bigg) \Big/ \left(\sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}\right) -$$

$$\Bigg(2\, (r^2 + r2^2) \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}{r^2 - 2\, r\, r2 + r2^2}}\, \mathrm{EllipticF}\Big[\frac{\theta 3}{2},$$

$$-\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\Big]\Bigg) \Big/ \left(\sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}\right)\Bigg) \mathrm{Sin}[3\, \lambda 1]\Bigg)\Bigg) +$$

$$\frac{1}{r^2\, (r^2 - r2^2)}\, 8\, r2^5 \Bigg(\mathrm{Cos}[\lambda]\, (-1 + 2\, \mathrm{Cos}[2\, \lambda])\, \Bigg(-\frac{1}{2\, r\, r2}\, \mathrm{Cos}[3\, \lambda 1]$$

$$\Bigg(\Bigg(2\, (r^2 - 2\, r\, r2 + r2^2) \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}{r^2 - 2\, r\, r2 + r2^2}}$$

$$\mathrm{EllipticE}\Big[\frac{\theta 3}{2}, -\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\Big]\Bigg) \Big/ \left(\sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}\right) -$$

$$\Bigg(2\, (r^2 + r2^2) \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}{r^2 - 2\, r\, r2 + r2^2}}\, \mathrm{EllipticF}\Big[\frac{\theta 3}{2},$$

$$-\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\Big]\Bigg) \Big/ \left(\sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}\right)\Bigg) +$$

$$\left(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}\left(-r^2-r2^2+r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}+r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}\right)(1+2\,\mathrm{Cos}[2\,\lambda 1])\,\mathrm{Sin}[\lambda 1]\right)\Big/\left(r\,r2\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\right)\Bigg)-(1+2\,\mathrm{Cos}[2\,\lambda])\,\mathrm{Sin}[\lambda]$$

$$\Bigg(\left(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}\left(-r^2-r2^2+r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}+r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}\right)\mathrm{Cos}[\lambda 1]\right.$$

$$\left.(-1+2\,\mathrm{Cos}[2\,\lambda 1])\right)\Big/\left(r\,r2\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\right)+$$

$$\frac{1}{2\,r\,r2}\Bigg(\Bigg(2\left(r^2-2\,r\,r2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r2+r2^2}}\,\mathrm{EllipticE}\Big[\frac{\theta 3}{2},$$

$$-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\Bigg)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\right)-\Bigg(2\left(r^2+r2^2\right)$$

$$\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r2+r2^2}}\,\mathrm{EllipticF}\Big[\frac{\theta 3}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\Bigg)\Big/$$

$$\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\right)\Bigg)\,\mathrm{Sin}[3\,\lambda 1]\Bigg)\Bigg)-\frac{1}{r^2-r1^2}\,12\,r1^3$$

$$\Bigg(\mathrm{Cos}[\lambda]\Bigg(-\frac{1}{2\,r\,r1}\,\mathrm{Cos}[\lambda 2]\Bigg(\Bigg(2\left(r^2-2\,r\,r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r1+r1^2}}$$

$$\mathrm{EllipticE}\Big[\frac{\theta 3}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Bigg)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\right)-$$

$$\Bigg(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r1+r1^2}}\,\mathrm{EllipticF}\Big[\frac{\theta 3}{2},$$

$$-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Bigg)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\right)\Bigg)-$$

$$\left(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}\left(-r^2-r1^2+r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}+r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}\right)\mathrm{Sin}[\lambda 2]\right)\Big/\left(r\,r1\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\right)\Bigg)+\mathrm{Sin}[\lambda]$$

$$\left(\left(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}\left(-r^2-r1^2+r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}+r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}\right)\right.\right.$$

$$\left.\mathrm{Cos}[\lambda 2]\right)\Big/\left(r\,r1\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\right)-$$

$$\frac{1}{2\,r\,r1}\left(\left(2\left(r^2-2\,r\,r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r1+r1^2}}\,\mathrm{EllipticE}\left[\frac{\theta 3}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\right)-\left(2\left(r^2+r1^2\right)\right.\right.$$

$$\left.\left.\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r1+r1^2}}\,\mathrm{EllipticF}\left[\frac{\theta 3}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\right)\right)\mathrm{Sin}[\lambda 2]\Bigg)\Bigg)+\frac{1}{r^2\left(r^2-r1^2\right)}\,24\,r1^5$$

$$\left(\mathrm{Cos}[\lambda]\left(-\frac{1}{2\,r\,r1}\,\mathrm{Cos}[\lambda 2]\left(\left(2\left(r^2-2\,r\,r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r1+r1^2}}\right.\right.\right.\right.$$

$$\left.\mathrm{EllipticE}\left[\frac{\theta 3}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\right)-$$

$$\left(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r1+r1^2}}\,\mathrm{EllipticF}\left[\frac{\theta 3}{2},\right.\right.$$

$$\left.\left.\left.-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\right)\right)-$$

$$\left(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}\left(-r^2-r1^2+r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}+r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}\right)\mathrm{Sin}[\lambda 2]\right)\Big/\left(r\,r1\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\right)\Bigg)+\mathrm{Sin}[\lambda]$$

$$\left(\left(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}\left(-r^2-r1^2+r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}+r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}\right)\right.\right.$$

$$\left.\mathrm{Cos}[\lambda 2]\right)\Big/\left(r\,r1\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\right)-$$

$$\frac{1}{2\,r\,r1}\left(\left(2\left(r^2-2\,r\,r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r1+r1^2}}\,\mathrm{EllipticE}\left[\frac{\theta 3}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\right)-\left(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r1+r1^2}}\,\mathrm{EllipticF}\left[\frac{\theta 3}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\right)\right)\mathrm{Sin}[\lambda 2]\Bigg)\Bigg)-\frac{1}{r^2-r1^2}\,12\,r1^3$$

$$\left(\mathrm{Cos}[\lambda]\left(-\frac{1}{2\,r\,r1}\,\mathrm{Cos}[\lambda 2]\left(\left(2\left(r^2-2\,r\,r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r1+r1^2}}\,\mathrm{EllipticE}\left[\frac{\theta 3}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\right)-\left(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r1+r1^2}}\,\mathrm{EllipticF}\left[\frac{\theta 3}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\right)\right)+$$

$$\left(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}\left(-r^2-r1^2+r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}+r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}\right)\mathrm{Sin}[\lambda 2]\right)\Big/\left(r\,r1\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\right)\Bigg)-\mathrm{Sin}[\lambda]$$

$$\left(\left(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}\left(-r^2-r1^2+r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}+r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}\right)\mathrm{Cos}[\lambda 2]\right)\Big/\left(r\,r1\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\right)+\frac{1}{2\,r\,r1}\left(\left(2\left(r^2-2\,r\,r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r1+r1^2}}\,\mathrm{EllipticE}\left[\frac{\theta 3}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\right)-\left(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r1+r1^2}}\,\mathrm{EllipticF}\left[\frac{\theta 3}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\right)\right)\mathrm{Sin}[\lambda 2]\right)\right)+\frac{1}{r^2\left(r^2-r1^2\right)}\,24\,r1^5$$

$$\left(\mathrm{Cos}[\lambda]\left(-\frac{1}{2\,r\,r1}\,\mathrm{Cos}[\lambda 2]\left(\left(2\left(r^2-2\,r\,r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r1+r1^2}}\,\mathrm{EllipticE}\left[\frac{\theta 3}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\right)-\left(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r1+r1^2}}\,\mathrm{EllipticF}\left[\frac{\theta 3}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\right)\right)+$$

$$\left(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}\left(-r^2-r1^2+r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}+r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}\right)\mathrm{Sin}[\lambda 2]\right)\Big/\left(r\,r1\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\right)\Bigg)-\mathrm{Sin}[\lambda]$$

$$\left(\left(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}\left(-r^2-r1^2+r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}+r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}\right)\right.\right.$$

$$\left.\mathrm{Cos}[\lambda 2]\right)\Big/\left(r\,r1\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\right)+$$

$$\frac{1}{2\,r\,r1}\left(\left(2\left(r^2-2\,r\,r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r1+r1^2}}\,\mathrm{EllipticE}\left[\frac{\theta 3}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\right)-\left(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r1+r1^2}}\,\mathrm{EllipticF}\left[\frac{\theta 3}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\right)\right)\mathrm{Sin}[\lambda 2]\Bigg)\Bigg)+\frac{1}{r^2-r2^2}\,12\,r2^3$$

$$\left(\mathrm{Cos}[\lambda]\left(-\frac{1}{2\,r\,r2}\,\mathrm{Cos}[\lambda 2]\left(\left(2\left(r^2-2\,r\,r2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r2+r2^2}}\,\mathrm{EllipticE}\left[\frac{\theta 3}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\right)-\right.\right.$$

$$\left(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r2+r2^2}}\,\mathrm{EllipticF}\left[\frac{\theta 3}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\right)\Bigg)-$$

$$\left(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}\left(-r^2-r2^2+r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}+r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}\right)\mathrm{Sin}[\lambda 2]\right)\Big/\left(r\,r2\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\right)\Bigg)+\mathrm{Sin}[\lambda]$$

$$\left(\left(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}\left(-r^2-r2^2+r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}+r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}\right)\right.\right.$$

$$\left.\mathrm{Cos}[\lambda 2]\right)\Big/\left(r\,r2\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\right)-$$

$$\frac{1}{2\,r\,r2}\left(\left(2\left(r^2-2\,r\,r2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r2+r2^2}}\,\mathrm{EllipticE}\left[\frac{\theta 3}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\right)-\left(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r2+r2^2}}\,\mathrm{EllipticF}\left[\frac{\theta 3}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\right)\right)\mathrm{Sin}[\lambda 2]\Bigg)\Bigg)-\frac{1}{r^2\left(r^2-r2^2\right)}\,24\,r2^5$$

$$\left(\mathrm{Cos}[\lambda]\left(-\frac{1}{2\,r\,r2}\,\mathrm{Cos}[\lambda 2]\left(\left(2\left(r^2-2\,r\,r2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r2+r2^2}}\right.\right.\right.\right.$$

$$\left.\mathrm{EllipticE}\left[\frac{\theta 3}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\right)-$$

$$\left(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r2+r2^2}}\,\mathrm{EllipticF}\left[\frac{\theta 3}{2},\right.\right.$$

$$\left.\left.\left.-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\right)\right)-$$

$$\left(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}\left(-r^2-r2^2+r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}+r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}\right)\mathrm{Sin}[\lambda 2]\right)\Big/\left(r\,r2\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\right)\Bigg)+\mathrm{Sin}[\lambda]$$

$$\left(\left(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}\left(-r^2-r2^2+r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}+r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}\right)\right.\right.$$

$$\left.\mathrm{Cos}[\lambda 2]\right)\Big/\left(r\,r2\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\right)-$$

$$\frac{1}{2\,r\,r2}\left(\left(2\left(r^2-2\,r\,r2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r2+r2^2}}\,\mathrm{EllipticE}\left[\frac{\theta 3}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\right)-\left(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r2+r2^2}}\,\mathrm{EllipticF}\left[\frac{\theta 3}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\right)\right)\mathrm{Sin}[\lambda 2]\Bigg)\Bigg)+\frac{1}{r^2-r2^2}\,12\,r2^3$$

$$\left(\mathrm{Cos}[\lambda]\left(-\frac{1}{2\,r\,r2}\,\mathrm{Cos}[\lambda 2]\left(\left(2\left(r^2-2\,r\,r2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r2+r2^2}}\,\mathrm{EllipticE}\left[\frac{\theta 3}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\right)-\left(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r2+r2^2}}\,\mathrm{EllipticF}\left[\frac{\theta 3}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\right)\right)+$$

$$\left(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}\left(-r^2-r2^2+r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}+r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}\right)\mathrm{Sin}[\lambda 2]\right)\Big/\left(r\,r2\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\right)\Bigg)-\mathrm{Sin}[\lambda]$$

$$\left(\left(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}\left(-r^2-r2^2+r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}+r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}\right)\right.\right.$$

$$\left.\mathrm{Cos}[\lambda 2]\right)\Big/\left(r\,r2\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\right)+$$

$$\frac{1}{2\,r\,r2}\left(\left(2\left(r^2-2\,r\,r2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r2+r2^2}}\,\mathrm{EllipticE}\left[\frac{\theta 3}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\right)-\left(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r2+r2^2}}\,\mathrm{EllipticF}\left[\frac{\theta 3}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\right)\right)\mathrm{Sin}[\lambda 2]\Bigg)\Bigg)-\frac{1}{r^2\left(r^2-r2^2\right)}\,24\,r2^5$$

$$\left(\mathrm{Cos}[\lambda]\left(-\frac{1}{2\,r\,r2}\,\mathrm{Cos}[\lambda 2]\left(\left(2\left(r^2-2\,r\,r2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r2+r2^2}}\right.\right.\right.\right.$$

$$\left.\mathrm{EllipticE}\left[\frac{\theta 3}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\right)-$$

$$\left(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r2+r2^2}}\,\mathrm{EllipticF}\left[\frac{\theta 3}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\right)\Bigg)+$$

$$\left(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}\left(-r^2-r2^2+r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}+r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}\right)\mathrm{Sin}[\lambda 2]\right)\Big/\left(r\,r2\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\right)\Bigg)-\mathrm{Sin}[\lambda]$$

$$\left(\left(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}\left(-r^2-r2^2+r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}+r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}\right)\right.\right.$$

$$\left.\mathrm{Cos}[\lambda 2]\right)\Big/\left(r\,r2\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\right)+$$

$$\frac{1}{2\,r\,r2}\left(\left(2\left(r^2-2\,r\,r2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r2+r2^2}}\,\mathrm{EllipticE}\left[\frac{\theta 3}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\right)-\right.$$

$$\left.\left(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r2+r2^2}}\,\mathrm{EllipticF}\left[\frac{\theta 3}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\right)\right)\mathrm{Sin}[\lambda 2]\Bigg)\Bigg)-$$

$$\frac{1}{r^2-r1^2}\,32\,r^2\,r1\left(\mathrm{Cos}[\lambda]\,(-1+2\,\mathrm{Cos}[2\,\lambda])\left(-\frac{1}{2\,r\,r1}\,\mathrm{Cos}[3\,\lambda 2]\right.\right.$$

$$\left(\left(2\left(r^2-2\,r\,r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r1+r1^2}}\right.\right.$$

$$\left.\mathrm{EllipticE}\left[\frac{\theta 3}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\right)-$$

$$\left(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r1+r1^2}}\,\mathrm{EllipticF}\left[\frac{\theta 3}{2},\right.\right.$$

$$-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Big)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\right)\Big)-$$

$$\left(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}\left(-r^2-r1^2+r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}+\right.\right.$$

$$\left.\left.r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}\right)(1+2\,\mathrm{Cos}[2\,\lambda 2])\,\mathrm{Sin}[\lambda 2]\right)\Big/$$

$$\left(r\,r1\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\right)\Big)+(1+2\,\mathrm{Cos}[2\,\lambda])\,\mathrm{Sin}[\lambda]$$

$$\left(\left(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}\left(-r^2-r1^2+r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}+\right.\right.\right.$$

$$\left.r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}\right)\mathrm{Cos}[\lambda 2]$$

$$\left.(-1+2\,\mathrm{Cos}[2\,\lambda 2])\right)\Big/\left(r\,r1\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\right)-$$

$$\frac{1}{2\,r\,r1}\left(\left(2\left(r^2-2\,r\,r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r1+r1^2}}\,\mathrm{EllipticE}\Big[\right.\right.$$

$$\frac{\theta 3}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Big)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\right)-$$

$$\left(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r1+r1^2}}\,\mathrm{EllipticF}\Big[\frac{\theta 3}{2},\right.$$

$$\left.\left.-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Big)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\right)\right)\mathrm{Sin}[3\,\lambda 2]\right)\Big)+$$

$$\frac{1}{r^2-r1^2}\,12\,r1^3\left(\mathrm{Cos}[\lambda]\,(-1+2\,\mathrm{Cos}[2\,\lambda])\left(-\frac{1}{2\,r\,r1}\,\mathrm{Cos}[3\,\lambda 2]\right.\right.$$

$$\left(\left(2\left(r^2-2\,r\,r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r1+r1^2}}\right.\right.$$

$$\mathrm{EllipticE}\Big[\frac{\theta 3}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Big)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\right)-$$

$$\left(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticF}\left[\frac{\theta 3}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\right)\Bigg)-$$

$$\left(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}\left(-r^2-r1^2+r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}+r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}\right)(1+2\,\mathrm{Cos}[2\,\lambda 2])\,\mathrm{Sin}[\lambda 2]\right)\Big/$$

$$\left(r\,r1\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\right)\Bigg)+(1+2\,\mathrm{Cos}[2\,\lambda])\,\mathrm{Sin}[\lambda]$$

$$\left(\left(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}\left(-r^2-r1^2+r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}+r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}\right)\mathrm{Cos}[\lambda 2]\right.\right.$$

$$\left.(-1+2\,\mathrm{Cos}[2\,\lambda 2])\right)\Big/\left(r\,r1\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\right)-$$

$$\frac{1}{2\,r\,r1}\left(\left(2\left(r^2-2\,r\,r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticE}\left[\frac{\theta 3}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\right)-\right.$$

$$\left.\left(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticF}\left[\frac{\theta 3}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\right)\right)\mathrm{Sin}[3\,\lambda 2]\Bigg)\Bigg)+$$

$$\frac{1}{r^2\left(r^2-r1^2\right)}\,8\,r1^5\left(\mathrm{Cos}[\lambda]\,(-1+2\,\mathrm{Cos}[2\,\lambda])\left(-\frac{1}{2\,r\,r1}\,\mathrm{Cos}[3\,\lambda 2]\right.\right.$$

$$\left(\left(2\left(r^2-2\,r\,r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r1+r1^2}}\right.\right.$$

$$\text{EllipticE}\left[\frac{\theta 3}{2}, -\frac{4\, r\, r1}{r^2 - 2\, r\, r1 + r1^2}\right]\Bigg) \Big/ \left(\sqrt{r^2 + r1^2 - 2\, r\, r1\, \text{Cos}[\theta 3]}\right) -$$

$$\left(2\left(r^2 + r1^2\right)\sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \text{Cos}[\theta 3]}{r^2 - 2\, r\, r1 + r1^2}}\ \text{EllipticF}\left[\frac{\theta 3}{2},\right.\right.$$

$$\left.\left.-\frac{4\, r\, r1}{r^2 - 2\, r\, r1 + r1^2}\right]\right) \Big/ \left(\sqrt{r^2 + r1^2 - 2\, r\, r1\, \text{Cos}[\theta 3]}\right)\Bigg) -$$

$$\left(\sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \text{Cos}[\theta 3]}{r^2 + r1^2}}\left(-r^2 - r1^2 + r^2\sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \text{Cos}[\theta 3]}{r^2 + r1^2}} +\right.\right.$$

$$\left.\left. r1^2\sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \text{Cos}[\theta 3]}{r^2 + r1^2}}\right)(1 + 2\, \text{Cos}[2\, \lambda 2])\, \text{Sin}[\lambda 2]\right) \Big/$$

$$\left(r\, r1\sqrt{r^2 + r1^2 - 2\, r\, r1\, \text{Cos}[\theta 3]}\right)\Bigg) + (1 + 2\, \text{Cos}[2\, \lambda])\, \text{Sin}[\lambda]$$

$$\left(\left(\sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \text{Cos}[\theta 3]}{r^2 + r1^2}}\left(-r^2 - r1^2 + r^2\sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \text{Cos}[\theta 3]}{r^2 + r1^2}} +\right.\right.\right.$$

$$\left. r1^2\sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \text{Cos}[\theta 3]}{r^2 + r1^2}}\right)\text{Cos}[\lambda 2]$$

$$\left.(-1 + 2\, \text{Cos}[2\, \lambda 2])\right) \Big/ \left(r\, r1\sqrt{r^2 + r1^2 - 2\, r\, r1\, \text{Cos}[\theta 3]}\right) -$$

$$\frac{1}{2\, r\, r1}\left(\left(2\left(r^2 - 2\, r\, r1 + r1^2\right)\sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \text{Cos}[\theta 3]}{r^2 - 2\, r\, r1 + r1^2}}\ \text{EllipticE}\left[\right.\right.\right.$$

$$\left.\left.\frac{\theta 3}{2}, -\frac{4\, r\, r1}{r^2 - 2\, r\, r1 + r1^2}\right]\right) \Big/ \left(\sqrt{r^2 + r1^2 - 2\, r\, r1\, \text{Cos}[\theta 3]}\right) -$$

$$\left(2\left(r^2 + r1^2\right)\sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \text{Cos}[\theta 3]}{r^2 - 2\, r\, r1 + r1^2}}\ \text{EllipticF}\left[\frac{\theta 3}{2},\right.\right.$$

$$\left.\left.\left.-\frac{4\, r\, r1}{r^2 - 2\, r\, r1 + r1^2}\right]\right) \Big/ \left(\sqrt{r^2 + r1^2 - 2\, r\, r1\, \text{Cos}[\theta 3]}\right)\right)\text{Sin}[3\, \lambda 2]\right)\right) -$$

$$\frac{1}{r^2 - r1^2}\, 32\, r^2\, r1\left(\text{Cos}[\lambda]\,(-1 + 2\, \text{Cos}[2\, \lambda])\left(-\frac{1}{2\, r\, r1}\, \text{Cos}[3\, \lambda 2]\right.\right.$$

$$\left(\left(2\left(r^2-2\,r\,r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r1+r1^2}}\right.\right.$$

$$\left.\mathrm{EllipticE}\left[\frac{\theta 3}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\right)-$$

$$\left(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticF}\left[\frac{\theta 3}{2},\right.\right.$$

$$\left.\left.-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\right)\Bigg)+$$

$$\left(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}\left(-r^2-r1^2+r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}+\right.\right.$$

$$\left.\left.r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}\right)(1+2\,\mathrm{Cos}[2\,\lambda 2])\,\mathrm{Sin}[\lambda 2]\right)\Big/$$

$$\left.\left(r\,r1\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\right)\right)-(1+2\,\mathrm{Cos}[2\,\lambda])\,\mathrm{Sin}[\lambda]$$

$$\left(\left(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}\left(-r^2-r1^2+r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}+\right.\right.\right.$$

$$\left.\left.r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}\right)\mathrm{Cos}[\lambda 2]\right.$$

$$\left.(-1+2\,\mathrm{Cos}[2\,\lambda 2])\right)\Big/\left(r\,r1\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\right)+$$

$$\frac{1}{2\,r\,r1}\left(\left(2\left(r^2-2\,r\,r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticE}\left[\right.\right.\right.$$

$$\left.\left.\frac{\theta 3}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\right)-$$

$$\left(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticF}\left[\frac{\theta 3}{2},\right.\right.$$

$$\left.\left.\left.-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\right)\right)\mathrm{Sin}[3\,\lambda 2]\right)\Bigg)+$$

$$\frac{1}{r^2 - r1^2}\, 12\, r1^3 \left(\mathrm{Cos}[\lambda]\ (-1 + 2\,\mathrm{Cos}[2\,\lambda])\ \left(-\frac{1}{2\,r\,r1}\,\mathrm{Cos}[3\,\lambda 2]\right.\right.$$

$$\left(\left(2\,(r^2 - 2\,r\,r1 + r1^2)\,\sqrt{\frac{r^2 + r1^2 - 2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2 - 2\,r\,r1 + r1^2}}\right.\right.$$

$$\left.\mathrm{EllipticE}\left[\frac{\theta 3}{2}, -\frac{4\,r\,r1}{r^2 - 2\,r\,r1 + r1^2}\right]\right) \Big/ \left(\sqrt{r^2 + r1^2 - 2\,r\,r1\,\mathrm{Cos}[\theta 3]}\right) -$$

$$\left(2\,(r^2 + r1^2)\,\sqrt{\frac{r^2 + r1^2 - 2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2 - 2\,r\,r1 + r1^2}}\ \mathrm{EllipticF}\left[\frac{\theta 3}{2},\right.\right.$$

$$\left.\left.\left.-\frac{4\,r\,r1}{r^2 - 2\,r\,r1 + r1^2}\right]\right) \Big/ \left(\sqrt{r^2 + r1^2 - 2\,r\,r1\,\mathrm{Cos}[\theta 3]}\right)\right) +$$

$$\left(\sqrt{\frac{r^2 + r1^2 - 2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2 + r1^2}}\ \left(-r^2 - r1^2 + r^2\,\sqrt{\frac{r^2 + r1^2 - 2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2 + r1^2}} +\right.\right.$$

$$\left.\left.r1^2\,\sqrt{\frac{r^2 + r1^2 - 2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2 + r1^2}}\right)\ (1 + 2\,\mathrm{Cos}[2\,\lambda 2])\ \mathrm{Sin}[\lambda 2]\right) \Big/$$

$$\left.\left(r\,r1\,\sqrt{r^2 + r1^2 - 2\,r\,r1\,\mathrm{Cos}[\theta 3]}\right)\right) - (1 + 2\,\mathrm{Cos}[2\,\lambda])\ \mathrm{Sin}[\lambda]$$

$$\left(\left(\sqrt{\frac{r^2 + r1^2 - 2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2 + r1^2}}\ \left(-r^2 - r1^2 + r^2\,\sqrt{\frac{r^2 + r1^2 - 2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2 + r1^2}} +\right.\right.\right.$$

$$\left.\left.r1^2\,\sqrt{\frac{r^2 + r1^2 - 2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2 + r1^2}}\right)\ \mathrm{Cos}[\lambda 2]\right.$$

$$\left.(-1 + 2\,\mathrm{Cos}[2\,\lambda 2])\right) \Big/ \left(r\,r1\,\sqrt{r^2 + r1^2 - 2\,r\,r1\,\mathrm{Cos}[\theta 3]}\right) +$$

$$\frac{1}{2\,r\,r1}\left(\left(2\,(r^2 - 2\,r\,r1 + r1^2)\,\sqrt{\frac{r^2 + r1^2 - 2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2 - 2\,r\,r1 + r1^2}}\ \mathrm{EllipticE}\left[\right.\right.\right.$$

$$\left.\left.\left.\frac{\theta 3}{2}, -\frac{4\,r\,r1}{r^2 - 2\,r\,r1 + r1^2}\right]\right) \Big/ \left(\sqrt{r^2 + r1^2 - 2\,r\,r1\,\mathrm{Cos}[\theta 3]}\right) -$$

$$\left(2\,(r^2 + r1^2)\,\sqrt{\frac{r^2 + r1^2 - 2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2 - 2\,r\,r1 + r1^2}}\ \mathrm{EllipticF}\left[\frac{\theta 3}{2},\right.\right.$$

$$-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Big)\Big/\Big(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\Big)\Big)\,\mathrm{Sin}[3\,\lambda 2]\Big)\Big)+$$

$$\frac{1}{r^2\left(r^2-r1^2\right)}\,8\,r1^5\Big(\mathrm{Cos}[\lambda]\,(-1+2\,\mathrm{Cos}[2\,\lambda])\Big(-\frac{1}{2\,r\,r1}\,\mathrm{Cos}[3\,\lambda 2]$$

$$\Big(\Big(2\left(r^2-2\,r\,r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r1+r1^2}}$$

$$\mathrm{EllipticE}\Big[\frac{\theta 3}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Big)\Big/\Big(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\Big)-$$

$$\Big(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticF}\Big[\frac{\theta 3}{2},$$

$$-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Big)\Big/\Big(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\Big)\Big)+$$

$$\Big(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}\;\Big(-r^2-r1^2+r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}+$$

$$r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}\Big)\,(1+2\,\mathrm{Cos}[2\,\lambda 2])\,\mathrm{Sin}[\lambda 2]\Big)\Big/$$

$$\Big(r\,r1\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\Big)\Big)-(1+2\,\mathrm{Cos}[2\,\lambda])\,\mathrm{Sin}[\lambda]$$

$$\Big(\Big(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}\;\Big(-r^2-r1^2+r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}+$$

$$r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}\Big)\,\mathrm{Cos}[\lambda 2]$$

$$(-1+2\,\mathrm{Cos}[2\,\lambda 2])\Big)\Big/\Big(r\,r1\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\Big)+$$

$$\frac{1}{2\,r\,r1}\Big(\Big(2\left(r^2-2\,r\,r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticE}\Big[$$

$$\frac{\theta 3}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Big)\Big/\Big(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\Big)-$$

$$\left(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticF}\left[\frac{\theta 3}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\right)\Bigg)\,\mathrm{Sin}[3\,\lambda 2]\Bigg)\Bigg)+$$

$$\frac{1}{r^2-r2^2}\,32\,r^2\,r2\Bigg(\mathrm{Cos}[\lambda]\,(-1+2\,\mathrm{Cos}[2\,\lambda])\Bigg(-\frac{1}{2\,r\,r2}\,\mathrm{Cos}[3\,\lambda 2]$$

$$\Bigg(\Bigg(2\left(r^2-2\,r\,r2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r2+r2^2}}$$

$$\mathrm{EllipticE}\left[\frac{\theta 3}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\Bigg)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\right)-$$

$$\left(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticF}\left[\frac{\theta 3}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\right)\Bigg)-$$

$$\Bigg(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}\Bigg(-r^2-r2^2+r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}+$$

$$r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}\Bigg)(1+2\,\mathrm{Cos}[2\,\lambda 2])\,\mathrm{Sin}[\lambda 2]\Bigg)\Big/$$

$$\left(r\,r2\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\right)\Bigg)+(1+2\,\mathrm{Cos}[2\,\lambda])\,\mathrm{Sin}[\lambda]$$

$$\Bigg(\Bigg(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}\Bigg(-r^2-r2^2+r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}+$$

$$r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}\Bigg)\mathrm{Cos}[\lambda 2]$$

$$(-1+2\,\mathrm{Cos}[2\,\lambda 2])\Bigg)\Big/\left(r\,r2\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\right)-$$

$$\frac{1}{2\,r\,r2}\Bigg(\Bigg(2\left(r^2-2\,r\,r2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticE}\Big[$$

$$\frac{\theta 3}{2}, -\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\Big)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\right)-$$

$$\left(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticF}\Big[\frac{\theta 3}{2},\right.$$

$$\left.-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\right)\Big)\,\mathrm{Sin}[3\,\lambda 2]\Big)\Big)-$$

$$\frac{1}{r^2-r2^2}\,12\,r2^3\left(\mathrm{Cos}[\lambda]\,(-1+2\,\mathrm{Cos}[2\,\lambda])\left(-\frac{1}{2\,r\,r2}\,\mathrm{Cos}[3\,\lambda 2]\right.\right.$$

$$\Bigg(\Bigg(2\left(r^2-2\,r\,r2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r2+r2^2}}$$

$$\mathrm{EllipticE}\Big[\frac{\theta 3}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\Big)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\right)-$$

$$\left(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticF}\Big[\frac{\theta 3}{2},\right.$$

$$\left.-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\right)\Bigg)-$$

$$\left(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}\left(-r^2-r2^2+r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}+\right.\right.$$

$$\left.r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}\right)(1+2\,\mathrm{Cos}[2\,\lambda 2])\,\mathrm{Sin}[\lambda 2]\Big)\Big/$$

$$\left.\left(r\,r2\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\right)\right)+(1+2\,\mathrm{Cos}[2\,\lambda])\,\mathrm{Sin}[\lambda]$$

$$\Bigg(\Bigg(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}\left(-r^2-r2^2+r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}+\right.$$

$$\left.r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}\right)\mathrm{Cos}[\lambda 2]$$

$$(-1+2\,\mathrm{Cos}[2\,\lambda 2])\Bigg)\Big/\left(r\,r2\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\right)-$$

$$\frac{1}{2\,r\,r2}\left(\left(2\left(r^2-2\,r\,r2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta3]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticE}\left[\frac{\theta3}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta3]}\right)-\left(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta3]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticF}\left[\frac{\theta3}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta3]}\right)\right)\mathrm{Sin}[3\,\lambda2]\right)\right)-$$

$$\frac{1}{r^2\left(r^2-r2^2\right)}\,8\,r2^5\left(\mathrm{Cos}[\lambda]\,(-1+2\,\mathrm{Cos}[2\,\lambda])\left(-\frac{1}{2\,r\,r2}\,\mathrm{Cos}[3\,\lambda2]\right.\right.$$

$$\left(\left(2\left(r^2-2\,r\,r2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta3]}{r^2-2\,r\,r2+r2^2}}\right.\right.$$

$$\left.\mathrm{EllipticE}\left[\frac{\theta3}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta3]}\right)-$$

$$\left(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta3]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticF}\left[\frac{\theta3}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta3]}\right)\Bigg)-$$

$$\left(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta3]}{r^2+r2^2}}\left(-r^2-r2^2+r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta3]}{r^2+r2^2}}+r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta3]}{r^2+r2^2}}\right)(1+2\,\mathrm{Cos}[2\,\lambda2])\,\mathrm{Sin}[\lambda2]\right)\Big/$$

$$\left(r\,r2\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta3]}\right)\Bigg)+(1+2\,\mathrm{Cos}[2\,\lambda])\,\mathrm{Sin}[\lambda]$$

$$\left(\left(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta3]}{r^2+r2^2}}\left(-r^2-r2^2+r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta3]}{r^2+r2^2}}+r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta3]}{r^2+r2^2}}\right)\mathrm{Cos}[\lambda2]\right.\right.$$

$$(-1+2\,\mathrm{Cos}[2\,\lambda 2])\Big)\Big/\Big(r\,r2\,\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\Big)-$$

$$\frac{1}{2\,r\,r2}\Bigg(\Bigg(2\,(r^2-2\,r\,r2+r2^2)\,\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r2+r2^2}}\,\mathrm{EllipticE}\Big[$$

$$\frac{\theta 3}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\Bigg)\Big/\Big(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\Big)-$$

$$\Bigg(2\,(r^2+r2^2)\,\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r2+r2^2}}\,\mathrm{EllipticF}\Big[\frac{\theta 3}{2},$$

$$-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\Bigg)\Big/\Big(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\Big)\Bigg)\,\mathrm{Sin}[3\,\lambda 2]\Bigg)\Bigg)+$$

$$\frac{1}{r^2-r2^2}\,32\,r^2\,r2\,\Bigg(\mathrm{Cos}[\lambda]\,(-1+2\,\mathrm{Cos}[2\,\lambda])\,\Bigg(-\frac{1}{2\,r\,r2}\,\mathrm{Cos}[3\,\lambda 2]$$

$$\Bigg(\Bigg(2\,(r^2-2\,r\,r2+r2^2)\,\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r2+r2^2}}$$

$$\mathrm{EllipticE}\Big[\frac{\theta 3}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\Bigg)\Big/\Big(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\Big)-$$

$$\Bigg(2\,(r^2+r2^2)\,\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r2+r2^2}}\,\mathrm{EllipticF}\Big[\frac{\theta 3}{2},$$

$$-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\Bigg)\Big/\Big(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\Big)\Bigg)+$$

$$\Bigg(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}\,\Bigg(-r^2-r2^2+r^2\,\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}+$$

$$r2^2\,\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}\Bigg)\,(1+2\,\mathrm{Cos}[2\,\lambda 2])\,\mathrm{Sin}[\lambda 2]\Bigg)\Big/$$

$$\Big(r\,r2\,\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\Big)\Bigg)-(1+2\,\mathrm{Cos}[2\,\lambda])\,\mathrm{Sin}[\lambda]$$

$$\Bigg(\Bigg(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}\,\Bigg(-r^2-r2^2+r^2\,\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}+$$

$$r2^2 \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}{r^2 + r2^2}}\Bigg) \mathrm{Cos}[\lambda 2]$$

$$(-1 + 2\, \mathrm{Cos}[2\, \lambda 2])\Bigg) \Big/ \left(r\, r2\, \sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}\right) +$$

$$\frac{1}{2\, r\, r2} \Bigg(\Bigg(2\, \left(r^2 - 2\, r\, r2 + r2^2\right) \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}{r^2 - 2\, r\, r2 + r2^2}}\, \mathrm{EllipticE}\Big[$$

$$\frac{\theta 3}{2}, -\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\Big]\Bigg) \Big/ \left(\sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}\right) -$$

$$\Bigg(2\, \left(r^2 + r2^2\right) \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}{r^2 - 2\, r\, r2 + r2^2}}\, \mathrm{EllipticF}\Big[\frac{\theta 3}{2},$$

$$-\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\Big]\Bigg) \Big/ \left(\sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}\right)\Bigg) \mathrm{Sin}[3\, \lambda 2]\Bigg)\Bigg) -$$

$$\frac{1}{r^2 - r2^2}\, 12\, r2^3 \Bigg(\mathrm{Cos}[\lambda]\, (-1 + 2\, \mathrm{Cos}[2\, \lambda])\, \Bigg(-\frac{1}{2\, r\, r2}\, \mathrm{Cos}[3\, \lambda 2]$$

$$\Bigg(\Bigg(2\, \left(r^2 - 2\, r\, r2 + r2^2\right) \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}{r^2 - 2\, r\, r2 + r2^2}}$$

$$\mathrm{EllipticE}\Big[\frac{\theta 3}{2}, -\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\Big]\Bigg) \Big/ \left(\sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}\right) -$$

$$\Bigg(2\, \left(r^2 + r2^2\right) \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}{r^2 - 2\, r\, r2 + r2^2}}\, \mathrm{EllipticF}\Big[\frac{\theta 3}{2},$$

$$-\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\Big]\Bigg) \Big/ \left(\sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}\right)\Bigg) +$$

$$\Bigg(\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}{r^2 + r2^2}}\, \Bigg(-r^2 - r2^2 + r^2 \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}{r^2 + r2^2}} +$$

$$r2^2 \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}{r^2 + r2^2}}\Bigg) (1 + 2\, \mathrm{Cos}[2\, \lambda 2])\, \mathrm{Sin}[\lambda 2]\Bigg) \Big/$$

$$\left(r\, r2\, \sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}\right)\Bigg) - (1 + 2\, \mathrm{Cos}[2\, \lambda])\, \mathrm{Sin}[\lambda]$$

$$\left(\left(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}\left(-r^2-r2^2+r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}+\right.\right.\right.$$

$$\left.r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}\right)\mathrm{Cos}[\lambda 2]$$

$$\left.(-1+2\,\mathrm{Cos}[2\,\lambda 2])\right)\Big/\left(r\,r2\,\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\right)+$$

$$\frac{1}{2\,r\,r2}\left(\left(2\left(r^2-2\,r\,r2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r2+r2^2}}\,\mathrm{EllipticE}\Big[\right.\right.$$

$$\left.\frac{\theta 3}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\right)-$$

$$\left(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r2+r2^2}}\,\mathrm{EllipticF}\Big[\frac{\theta 3}{2},\right.$$

$$\left.\left.\left.-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\right)\right)\mathrm{Sin}[3\,\lambda 2]\right)\right)-$$

$$\frac{1}{r^2\left(r^2-r2^2\right)}\,8\,r2^5\left(\mathrm{Cos}[\lambda]\,(-1+2\,\mathrm{Cos}[2\,\lambda])\left(-\frac{1}{2\,r\,r2}\,\mathrm{Cos}[3\,\lambda 2]\right.\right.$$

$$\left(\left(2\left(r^2-2\,r\,r2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r2+r2^2}}\right.\right.$$

$$\left.\mathrm{EllipticE}\Big[\frac{\theta 3}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\right)-$$

$$\left(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r2+r2^2}}\,\mathrm{EllipticF}\Big[\frac{\theta 3}{2},\right.$$

$$\left.\left.-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\right)\right)+$$

$$\left(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}\left(-r^2-r2^2+r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}+\right.\right.$$

$$\left.\left.r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}\right)(1+2\,\mathrm{Cos}[2\,\lambda 2])\,\mathrm{Sin}[\lambda 2]\right)\Big/$$

$$\left(r\, r2\, \sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}\right)\Bigg) - (1 + 2\, \mathrm{Cos}[2\, \lambda])\, \mathrm{Sin}[\lambda]$$

$$\Bigg(\Bigg(\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}{r^2 + r2^2}}\, \Bigg(-r^2 - r2^2 + r^2\, \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}{r^2 + r2^2}} +$$

$$r2^2\, \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}{r^2 + r2^2}}\Bigg)\, \mathrm{Cos}[\lambda 2]$$

$$(-1 + 2\, \mathrm{Cos}[2\, \lambda 2])\Bigg) \Big/ \left(r\, r2\, \sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}\right) +$$

$$\frac{1}{2\, r\, r2}\, \Bigg(\Bigg(2\, \left(r^2 - 2\, r\, r2 + r2^2\right)\, \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}{r^2 - 2\, r\, r2 + r2^2}}\, \mathrm{EllipticE}\Big[$$

$$\frac{\theta 3}{2},\, -\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\Big]\Bigg) \Big/ \left(\sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}\right) -$$

$$\Bigg(2\, \left(r^2 + r2^2\right)\, \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}{r^2 - 2\, r\, r2 + r2^2}}\, \mathrm{EllipticF}\Big[\frac{\theta 3}{2},$$

$$-\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\Big]\Bigg) \Big/ \left(\sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}\right)\Bigg)\, \mathrm{Sin}[3\, \lambda 2]\Bigg)\Bigg) +$$

$$\sqrt{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 3]}\, \Bigg(-\frac{1}{r^2 - r1^2}\, 32\, (2\, r1\, \mathrm{Cos}[3\, \lambda - 3\, \lambda 1] +$$

$$r\, \mathrm{Cos}[\theta 3 + 3\, \lambda - 3\, \lambda 1] + r\, \mathrm{Cos}[\theta 3 - 3\, \lambda + 3\, \lambda 1] - 2\, r1\, \mathrm{Cos}[3\, \lambda - 3\, \lambda 2] -$$

$$r\, \mathrm{Cos}[\theta 3 + 3\, \lambda - 3\, \lambda 2] - r\, \mathrm{Cos}[\theta 3 - 3\, \lambda + 3\, \lambda 2])\, \mathrm{Csc}[\theta 3] -$$

$$\frac{1}{r^2\, \left(r^2 - r1^2\right)\, \left(-r^2 - r1^2 + 2\, r\, r1\, \mathrm{Cos}[\theta 3]\right)}\, 2\, \Big(15\, r^2\, r1^3\, \mathrm{Sin}[\theta 3 + 3\, \lambda - 3\, \lambda 1] +$$

$$5\, r1^5\, \mathrm{Sin}[\theta 3 + 3\, \lambda - 3\, \lambda 1] - 3\, r^2\, r1^3\, \mathrm{Sin}[\theta 3 + \lambda - \lambda 1] +$$

$$15\, r1^5\, \mathrm{Sin}[\theta 3 + \lambda - \lambda 1] - 3\, r^2\, r1^3\, \mathrm{Sin}[\theta 3 - \lambda + \lambda 1] +$$

$$15\, r1^5\, \mathrm{Sin}[\theta 3 - \lambda + \lambda 1] + 15\, r^2\, r1^3\, \mathrm{Sin}[\theta 3 - 3\, \lambda + 3\, \lambda 1] +$$

$$5\, r1^5\, \mathrm{Sin}[\theta 3 - 3\, \lambda + 3\, \lambda 1] - 15\, r^2\, r1^3\, \mathrm{Sin}[\theta 3 + 3\, \lambda - 3\, \lambda 2] -$$

$$5\, r1^5\, \mathrm{Sin}[\theta 3 + 3\, \lambda - 3\, \lambda 2] + 3\, r^2\, r1^3\, \mathrm{Sin}[\theta 3 + \lambda - \lambda 2] -$$

$$15\, r1^5\, \mathrm{Sin}[\theta 3 + \lambda - \lambda 2] + 3\, r^2\, r1^3\, \mathrm{Sin}[\theta 3 - \lambda + \lambda 2] -$$

$$15\, r1^5\, \mathrm{Sin}[\theta 3 - \lambda + \lambda 2] - 15\, r^2\, r1^3\, \mathrm{Sin}[\theta 3 - 3\, \lambda + 3\, \lambda 2] -$$

$$5\, r1^5\, \mathrm{Sin}[\theta 3 - 3\, \lambda + 3\, \lambda 2]\Big) -$$

$$\frac{1}{r^2\, \left(-r^2 - r1^2 + 2\, r\, r1\, \mathrm{Cos}[\theta 3]\right)^2}\, 2\, \Big(r^2\, r1^3\, \mathrm{Sin}[\theta 3 + 3\, \lambda - 3\, \lambda 1] -$$

$$r1^5\, \mathrm{Sin}[\theta 3 + 3\, \lambda - 3\, \lambda 1] + 3\, r^2\, r1^3\, \mathrm{Sin}[\theta 3 + \lambda - \lambda 1] -$$

$$3\, r1^5\, \mathrm{Sin}[\theta 3 + \lambda - \lambda 1] + 3\, r^2\, r1^3\, \mathrm{Sin}[\theta 3 - \lambda + \lambda 1] -$$

$$3\, r1^5\, \mathrm{Sin}[\theta 3 - \lambda + \lambda 1] + r^2\, r1^3\, \mathrm{Sin}[\theta 3 - 3\, \lambda + 3\, \lambda 1] -$$

```
        r1^5 Sin[θ3 - 3 λ + 3 λ1] - r^2 r1^3 Sin[θ3 + 3 λ - 3 λ2] +
        r1^5 Sin[θ3 + 3 λ - 3 λ2] - 3 r^2 r1^3 Sin[θ3 + λ - λ2] +
        3 r1^5 Sin[θ3 + λ - λ2] - 3 r^2 r1^3 Sin[θ3 - λ + λ2] +
        3 r1^5 Sin[θ3 - λ + λ2] - r^2 r1^3 Sin[θ3 - 3 λ + 3 λ2] +
        r1^5 Sin[θ3 - 3 λ + 3 λ2])) +
  Sqrt[r^2 + r2^2 - 2 r r2 Cos[θ3]] (1/(r^2 - r2^2) 32 (2 r2 Cos[3 λ - 3 λ1] +
      r Cos[θ3 + 3 λ - 3 λ1] + r Cos[θ3 - 3 λ + 3 λ1] - 2 r2 Cos[3 λ - 3 λ2] -
      r Cos[θ3 + 3 λ - 3 λ2] - r Cos[θ3 - 3 λ + 3 λ2]) Csc[θ3] +
    1/(r^2 (r^2 - r2^2) (-r^2 - r2^2 + 2 r r2 Cos[θ3])) 2
     (15 r^2 r2^3 Sin[θ3 + 3 λ - 3 λ1] + 5 r2^5 Sin[θ3 + 3 λ - 3 λ1] -
       3 r^2 r2^3 Sin[θ3 + λ - λ1] + 15 r2^5 Sin[θ3 + λ - λ1] -
       3 r^2 r2^3 Sin[θ3 - λ + λ1] + 15 r2^5 Sin[θ3 - λ + λ1] +
       15 r^2 r2^3 Sin[θ3 - 3 λ + 3 λ1] + 5 r2^5 Sin[θ3 - 3 λ + 3 λ1] -
       15 r^2 r2^3 Sin[θ3 + 3 λ - 3 λ2] - 5 r2^5 Sin[θ3 + 3 λ - 3 λ2] +
       3 r^2 r2^3 Sin[θ3 + λ - λ2] - 15 r2^5 Sin[θ3 + λ - λ2] +
       3 r^2 r2^3 Sin[θ3 - λ + λ2] - 15 r2^5 Sin[θ3 - λ + λ2] -
       15 r^2 r2^3 Sin[θ3 - 3 λ + 3 λ2] - 5 r2^5 Sin[θ3 - 3 λ + 3 λ2]) +
    1/(r^2 (-r^2 - r2^2 + 2 r r2 Cos[θ3])^2) 2 (r^2 r2^3 Sin[θ3 + 3 λ - 3 λ1] -
       r2^5 Sin[θ3 + 3 λ - 3 λ1] + 3 r^2 r2^3 Sin[θ3 + λ - λ1] -
       3 r2^5 Sin[θ3 + λ - λ1] + 3 r^2 r2^3 Sin[θ3 - λ + λ1] -
       3 r2^5 Sin[θ3 - λ + λ1] + r^2 r2^3 Sin[θ3 - 3 λ + 3 λ1] -
       r2^5 Sin[θ3 - 3 λ + 3 λ1] - r^2 r2^3 Sin[θ3 + 3 λ - 3 λ2] +
       r2^5 Sin[θ3 + 3 λ - 3 λ2] - 3 r^2 r2^3 Sin[θ3 + λ - λ2] +
       3 r2^5 Sin[θ3 + λ - λ2] - 3 r^2 r2^3 Sin[θ3 - λ + λ2] +
       3 r2^5 Sin[θ3 - λ + λ2] - r^2 r2^3 Sin[θ3 - 3 λ + 3 λ2] +
       r2^5 Sin[θ3 - 3 λ + 3 λ2]))
```

```
In[•]:= G * rho * (Vxxyθ3[θ2] - Vxxyθ3[θ1])
In[•]:= Vxxy[λ1_, λ2_, θ1_, θ2_] :=
  G rho (-1/(96 r) (-(((64 r r1^2 Sqrt[(r^2 + r1^2 - 2 r r1 Cos[θ1])/(r^2 - 2 r r1 + r1^2)] Cos[3 λ - 3 λ1] EllipticF[θ1/2,
          -(4 r r1)/(r^2 - 2 r r1 + r1^2)])) / ((r^2 - r1^2) Sqrt[r^2 + r1^2 - 2 r r1 Cos[θ1]])) +
```

$$\left(16\, r1^4 \sqrt{\frac{r^2+r1^2-2\, r\, r1\, \mathrm{Cos}[\theta 1]}{r^2-2\, r\, r1+r1^2}}\ \mathrm{Cos}[3\,\lambda-3\,\lambda 1]\ \mathrm{EllipticF}\left[\frac{\theta 1}{2},\right.\right.$$

$$\left.\left.-\frac{4\, r\, r1}{r^2-2\, r\, r1+r1^2}\right]\right)\Big/\left(r\left(r^2-r1^2\right)\sqrt{r^2+r1^2-2\, r\, r1\, \mathrm{Cos}[\theta 1]}\right)+$$

$$\frac{48\, r1^4 \sqrt{\frac{r^2+r1^2-2\, r\, r1\, \mathrm{Cos}[\theta 1]}{r^2-2\, r\, r1+r1^2}}\ \mathrm{Cos}[\lambda-\lambda 1]\ \mathrm{EllipticF}\left[\frac{\theta 1}{2},-\frac{4\, r\, r1}{r^2-2\, r\, r1+r1^2}\right]}{r\left(r^2-r1^2\right)\sqrt{r^2+r1^2-2\, r\, r1\, \mathrm{Cos}[\theta 1]}}+$$

$$\left(64\, r\, r1^2 \sqrt{\frac{r^2+r1^2-2\, r\, r1\, \mathrm{Cos}[\theta 1]}{r^2-2\, r\, r1+r1^2}}\ \mathrm{Cos}[3\,\lambda-3\,\lambda 2]\right.$$

$$\left.\mathrm{EllipticF}\left[\frac{\theta 1}{2},-\frac{4\, r\, r1}{r^2-2\, r\, r1+r1^2}\right]\right)\Big/\left(\left(r^2-r1^2\right)\sqrt{r^2+r1^2-2\, r\, r1\, \mathrm{Cos}[\theta 1]}\right)-$$

$$\left(16\, r1^4 \sqrt{\frac{r^2+r1^2-2\, r\, r1\, \mathrm{Cos}[\theta 1]}{r^2-2\, r\, r1+r1^2}}\ \mathrm{Cos}[3\,\lambda-3\,\lambda 2]\ \mathrm{EllipticF}\left[\frac{\theta 1}{2},\right.\right.$$

$$\left.\left.-\frac{4\, r\, r1}{r^2-2\, r\, r1+r1^2}\right]\right)\Big/\left(r\left(r^2-r1^2\right)\sqrt{r^2+r1^2-2\, r\, r1\, \mathrm{Cos}[\theta 1]}\right)-$$

$$\frac{48\, r1^4 \sqrt{\frac{r^2+r1^2-2\, r\, r1\, \mathrm{Cos}[\theta 1]}{r^2-2\, r\, r1+r1^2}}\ \mathrm{Cos}[\lambda-\lambda 2]\ \mathrm{EllipticF}\left[\frac{\theta 1}{2},-\frac{4\, r\, r1}{r^2-2\, r\, r1+r1^2}\right]}{r\left(r^2-r1^2\right)\sqrt{r^2+r1^2-2\, r\, r1\, \mathrm{Cos}[\theta 1]}}+$$

$$\left(64\, r\, r2^2 \sqrt{\frac{r^2+r2^2-2\, r\, r2\, \mathrm{Cos}[\theta 1]}{r^2-2\, r\, r2+r2^2}}\ \mathrm{Cos}[3\,\lambda-3\,\lambda 1]\right.$$

$$\left.\mathrm{EllipticF}\left[\frac{\theta 1}{2},-\frac{4\, r\, r2}{r^2-2\, r\, r2+r2^2}\right]\right)\Big/\left(\left(r^2-r2^2\right)\sqrt{r^2+r2^2-2\, r\, r2\, \mathrm{Cos}[\theta 1]}\right)-$$

$$\left(16\, r2^4 \sqrt{\frac{r^2+r2^2-2\, r\, r2\, \mathrm{Cos}[\theta 1]}{r^2-2\, r\, r2+r2^2}}\ \mathrm{Cos}[3\,\lambda-3\,\lambda 1]\ \mathrm{EllipticF}\left[\frac{\theta 1}{2},\right.\right.$$

$$\left.\left.-\frac{4\, r\, r2}{r^2-2\, r\, r2+r2^2}\right]\right)\Big/\left(r\left(r^2-r2^2\right)\sqrt{r^2+r2^2-2\, r\, r2\, \mathrm{Cos}[\theta 1]}\right)-$$

$$\frac{48\, r2^4 \sqrt{\frac{r^2+r2^2-2\, r\, r2\, \mathrm{Cos}[\theta 1]}{r^2-2\, r\, r2+r2^2}}\ \mathrm{Cos}[\lambda-\lambda 1]\ \mathrm{EllipticF}\left[\frac{\theta 1}{2},-\frac{4\, r\, r2}{r^2-2\, r\, r2+r2^2}\right]}{r\left(r^2-r2^2\right)\sqrt{r^2+r2^2-2\, r\, r2\, \mathrm{Cos}[\theta 1]}}-$$

$$\left(64\, r\, r2^2 \sqrt{\frac{r^2+r2^2-2\, r\, r2\, \mathrm{Cos}[\theta 1]}{r^2-2\, r\, r2+r2^2}}\ \mathrm{Cos}[3\,\lambda-3\,\lambda 2]\right.$$

$$\text{EllipticF}\left[\frac{\theta 1}{2}, -\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\right]\Bigg) \Big/ \left(\left(r^2 - r2^2\right) \sqrt{r^2 + r2^2 - 2\, r\, r2 \,\text{Cos}[\theta 1]}\right) +$$

$$\Bigg(16\, r2^4 \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2 \,\text{Cos}[\theta 1]}{r^2 - 2\, r\, r2 + r2^2}}\, \text{Cos}[3\,\lambda - 3\,\lambda 2]\, \text{EllipticF}\Big[\frac{\theta 1}{2},$$

$$-\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\Big]\Bigg) \Big/ \left(r\left(r^2 - r2^2\right) \sqrt{r^2 + r2^2 - 2\, r\, r2 \,\text{Cos}[\theta 1]}\right) +$$

$$\frac{48\, r2^4 \sqrt{\frac{r^2+r2^2-2\, r\, r2 \,\text{Cos}[\theta 1]}{r^2-2\, r\, r2+r2^2}}\, \text{Cos}[\lambda - \lambda 2]\, \text{EllipticF}\left[\frac{\theta 1}{2}, -\frac{4\, r\, r2}{r^2-2\, r\, r2+r2^2}\right]}{r\left(r^2 - r2^2\right) \sqrt{r^2 + r2^2 - 2\, r\, r2 \,\text{Cos}[\theta 1]}} +$$

$$\frac{1}{r^2 - r1^2}\, 12\, r1^3 \Bigg(\text{Cos}[\lambda] \Bigg(-\frac{1}{2\, r\, r1}\, \text{Cos}[\lambda 1]$$

$$\Bigg(\Bigg(2\left(r^2 - 2\, r\, r1 + r1^2\right) \sqrt{\frac{r^2 + r1^2 - 2\, r\, r1 \,\text{Cos}[\theta 1]}{r^2 - 2\, r\, r1 + r1^2}}\, \text{EllipticE}\Big[$$

$$\frac{\theta 1}{2}, -\frac{4\, r\, r1}{r^2 - 2\, r\, r1 + r1^2}\Big]\Bigg) \Big/ \left(\sqrt{r^2 + r1^2 - 2\, r\, r1 \,\text{Cos}[\theta 1]}\right) -$$

$$\Bigg(2\left(r^2 + r1^2\right) \sqrt{\frac{r^2 + r1^2 - 2\, r\, r1 \,\text{Cos}[\theta 1]}{r^2 - 2\, r\, r1 + r1^2}}\, \text{EllipticF}\Big[\frac{\theta 1}{2},$$

$$-\frac{4\, r\, r1}{r^2 - 2\, r\, r1 + r1^2}\Big]\Bigg) \Big/ \left(\sqrt{r^2 + r1^2 - 2\, r\, r1 \,\text{Cos}[\theta 1]}\right)\Bigg) -$$

$$\Bigg(\sqrt{\frac{r^2 + r1^2 - 2\, r\, r1 \,\text{Cos}[\theta 1]}{r^2 + r1^2}} \Bigg(-r^2 - r1^2 + r^2 \sqrt{\frac{r^2 + r1^2 - 2\, r\, r1 \,\text{Cos}[\theta 1]}{r^2 + r1^2}} +$$

$$r1^2 \sqrt{\frac{r^2 + r1^2 - 2\, r\, r1 \,\text{Cos}[\theta 1]}{r^2 + r1^2}}\Bigg)$$

$$\text{Sin}[\lambda 1]\Bigg) \Big/ \left(r\, r1 \sqrt{r^2 + r1^2 - 2\, r\, r1 \,\text{Cos}[\theta 1]}\right)\Bigg) +$$

$$\text{Sin}[\lambda] \Bigg(\Bigg(\sqrt{\frac{r^2 + r1^2 - 2\, r\, r1 \,\text{Cos}[\theta 1]}{r^2 + r1^2}} \Bigg(-r^2 - r1^2 + r^2$$

$$\sqrt{\frac{r^2 + r1^2 - 2\, r\, r1 \,\text{Cos}[\theta 1]}{r^2 + r1^2}} + r1^2 \sqrt{\frac{r^2 + r1^2 - 2\, r\, r1 \,\text{Cos}[\theta 1]}{r^2 + r1^2}}\Bigg)$$

$$\text{Cos}[\lambda 1]\Big)\Big/\left(r\,r1\,\sqrt{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 1]}\right)-$$

$$\frac{1}{2\,r\,r1}\left(\left(2\left(r^2-2\,r\,r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 1]}{r^2-2\,r\,r1+r1^2}}\;\text{EllipticE}\Big[\frac{\theta 1}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 1]}\right)-\right.$$

$$\left.\left(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 1]}{r^2-2\,r\,r1+r1^2}}\;\text{EllipticF}\Big[\frac{\theta 1}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 1]}\right)\right)\text{Sin}[\lambda 1]\Big)\Big)-$$

$$\frac{1}{r^2\left(r^2-r1^2\right)}\,24\,r1^5\left(\text{Cos}[\lambda]\left(-\frac{1}{2\,r\,r1}\,\text{Cos}[\lambda 1]\left(\left(2\left(r^2-2\,r\,r1+r1^2\right)\right.\right.\right.\right.$$

$$\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 1]}{r^2-2\,r\,r1+r1^2}}\;\text{EllipticE}\Big[\frac{\theta 1}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Big)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 1]}\right)-$$

$$\left(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 1]}{r^2-2\,r\,r1+r1^2}}\;\text{EllipticF}\Big[\frac{\theta 1}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 1]}\right)\Big)-$$

$$\left(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 1]}{r^2+r1^2}}\left(-r^2-r1^2+r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 1]}{r^2+r1^2}}+r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 1]}{r^2+r1^2}}\right)\right.$$

$$\text{Sin}[\lambda 1]\Big)\Big/\left(r\,r1\,\sqrt{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 1]}\right)\Big)+$$

$$\text{Sin}[\lambda]\left(\left(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 1]}{r^2+r1^2}}\left(-r^2-r1^2+r^2\right.\right.\right.$$

$$\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2+r1^2}}+r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2+r1^2}}\Bigg)$$

$$\mathrm{Cos}[\lambda 1]\Bigg)\Big/\left(r\,r1\,\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}\right)-$$

$$\frac{1}{2\,r\,r1}\left(\left(2\left(r^2-2\,r\,r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticE}\Big[\right.\right.$$

$$\left.\frac{\theta 1}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}\right)-$$

$$\left(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticF}\Big[\frac{\theta 1}{2},\right.$$

$$\left.\left.-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}\right)\right)\mathrm{Sin}[\lambda 1]\Bigg)\Bigg)+$$

$$\frac{1}{r^2-r1^2}\,12\,r1^3\left(\mathrm{Cos}[\lambda]\left(-\frac{1}{2\,r\,r1}\,\mathrm{Cos}[\lambda 1]\left(\left(2\left(r^2-2\,r\,r1+r1^2\right)\right.\right.\right.$$

$$\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticE}\Big[\frac{\theta 1}{2},$$

$$\left.-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}\right)-$$

$$\left(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticF}\Big[\frac{\theta 1}{2},\right.$$

$$\left.-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}\right)+$$

$$\left(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2+r1^2}}\left(-r^2-r1^2+r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2+r1^2}}+\right.\right.$$

$$\left.r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2+r1^2}}\right)$$

$$\mathrm{Sin}[\lambda 1]\Bigg)\Big/\left(r\,r1\,\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}\right)\Bigg)-$$

$$\mathrm{Sin}[\lambda]\left(\left(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}{r^2+r1^2}}\left(-r^2-r1^2+r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}{r^2+r1^2}}+r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}{r^2+r1^2}}\right)\right.\right.$$

$$\left.\mathrm{Cos}[\lambda1]\right)\Big/\left(r\,r1\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}\right)+$$

$$\frac{1}{2\,r\,r1}\left(\left(2\left(r^2-2\,r\,r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}{r^2-2\,r\,r1+r1^2}}\,\mathrm{EllipticE}\left[\frac{\theta1}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}\right)-\right.$$

$$\left.\left(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}{r^2-2\,r\,r1+r1^2}}\,\mathrm{EllipticF}\left[\frac{\theta1}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}\right)\right)\mathrm{Sin}[\lambda1]\Bigg)\Bigg)-$$

$$\frac{1}{r^2\left(r^2-r1^2\right)}\,24\,r1^5\left(\mathrm{Cos}[\lambda]\left(-\frac{1}{2\,r\,r1}\,\mathrm{Cos}[\lambda1]\left(\left(2\left(r^2-2\,r\,r1+r1^2\right)\right.\right.\right.\right.$$

$$\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}{r^2-2\,r\,r1+r1^2}}\,\mathrm{EllipticE}\left[\frac{\theta1}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\Big)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}\right)-$$

$$\left(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}{r^2-2\,r\,r1+r1^2}}\,\mathrm{EllipticF}\left[\frac{\theta1}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}\right)\Bigg)+$$

$$\left(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}{r^2+r1^2}}\left(-r^2-r1^2+r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}{r^2+r1^2}}+r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}{r^2+r1^2}}\right)\right.$$

$$\text{Sin}[\lambda 1]\Big)\Big/\left(r\, r1\, \sqrt{r^2+r1^2-2\, r\, r1\, \text{Cos}[\theta 1]}\right)\Big) -$$

$$\text{Sin}[\lambda]\left(\left(\sqrt{\frac{r^2+r1^2-2\, r\, r1\, \text{Cos}[\theta 1]}{r^2+r1^2}}\left(-r^2-r1^2+r^2\right.\right.\right.$$

$$\left.\sqrt{\frac{r^2+r1^2-2\, r\, r1\, \text{Cos}[\theta 1]}{r^2+r1^2}}+r1^2\sqrt{\frac{r^2+r1^2-2\, r\, r1\, \text{Cos}[\theta 1]}{r^2+r1^2}}\right)$$

$$\text{Cos}[\lambda 1]\Big)\Big/\left(r\, r1\, \sqrt{r^2+r1^2-2\, r\, r1\, \text{Cos}[\theta 1]}\right)+$$

$$\frac{1}{2\, r\, r1}\left(\left(2\left(r^2-2\, r\, r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\, r\, r1\, \text{Cos}[\theta 1]}{r^2-2\, r\, r1+r1^2}}\ \text{EllipticE}\Big[\right.\right.$$

$$\left.\frac{\theta 1}{2},-\frac{4\, r\, r1}{r^2-2\, r\, r1+r1^2}\Big]\right)\Big/\left(\sqrt{r^2+r1^2-2\, r\, r1\, \text{Cos}[\theta 1]}\right)-$$

$$\left(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\, r\, r1\, \text{Cos}[\theta 1]}{r^2-2\, r\, r1+r1^2}}\ \text{EllipticF}\Big[\frac{\theta 1}{2},\right.$$

$$\left.\left.-\frac{4\, r\, r1}{r^2-2\, r\, r1+r1^2}\Big]\right)\Big/\left(\sqrt{r^2+r1^2-2\, r\, r1\, \text{Cos}[\theta 1]}\right)\Big)\ \text{Sin}[\lambda 1]\Big)\Big)-$$

$$\frac{1}{r^2-r2^2}\ 12\, r2^3\left(\text{Cos}[\lambda]\left(-\frac{1}{2\, r\, r2}\ \text{Cos}[\lambda 1]\left(\left(2\left(r^2-2\, r\, r2+r2^2\right)\right.\right.\right.\right.$$

$$\sqrt{\frac{r^2+r2^2-2\, r\, r2\, \text{Cos}[\theta 1]}{r^2-2\, r\, r2+r2^2}}\ \text{EllipticE}\Big[\frac{\theta 1}{2},$$

$$\left.-\frac{4\, r\, r2}{r^2-2\, r\, r2+r2^2}\Big]\right)\Big/\left(\sqrt{r^2+r2^2-2\, r\, r2\, \text{Cos}[\theta 1]}\right)-$$

$$\left(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\, r\, r2\, \text{Cos}[\theta 1]}{r^2-2\, r\, r2+r2^2}}\ \text{EllipticF}\Big[\frac{\theta 1}{2},\right.$$

$$\left.-\frac{4\, r\, r2}{r^2-2\, r\, r2+r2^2}\Big]\right)\Big/\left(\sqrt{r^2+r2^2-2\, r\, r2\, \text{Cos}[\theta 1]}\right)-$$

$$\left(\sqrt{\frac{r^2+r2^2-2\, r\, r2\, \text{Cos}[\theta 1]}{r^2+r2^2}}\left(-r^2-r2^2+r^2\sqrt{\frac{r^2+r2^2-2\, r\, r2\, \text{Cos}[\theta 1]}{r^2+r2^2}}+\right.\right.$$

$$r2^2 \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 1]}{r^2 + r2^2}}\Bigg)$$

$$\mathrm{Sin}[\lambda 1]\Bigg) \Big/ \left(r\, r2\, \sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 1]}\right)\Bigg) +$$

$$\mathrm{Sin}[\lambda] \Bigg(\Bigg(\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 1]}{r^2 + r2^2}} \Bigg(-r^2 - r2^2 + r^2$$

$$\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 1]}{r^2 + r2^2}} + r2^2 \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 1]}{r^2 + r2^2}}\Bigg)$$

$$\mathrm{Cos}[\lambda 1]\Bigg) \Big/ \left(r\, r2\, \sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 1]}\right) -$$

$$\frac{1}{2\, r\, r2} \Bigg(\Bigg(2\left(r^2 - 2\, r\, r2 + r2^2\right) \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 1]}{r^2 - 2\, r\, r2 + r2^2}}\ \mathrm{EllipticE}\Big[$$

$$\frac{\theta 1}{2}, -\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\Big]\Bigg) \Big/ \left(\sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 1]}\right) -$$

$$\Bigg(2\left(r^2 + r2^2\right) \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 1]}{r^2 - 2\, r\, r2 + r2^2}}\ \mathrm{EllipticF}\Big[\frac{\theta 1}{2},$$

$$-\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\Big]\Bigg) \Big/ \left(\sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 1]}\right)\Bigg) \mathrm{Sin}[\lambda 1]\Bigg)\Bigg) +$$

$$\frac{1}{r^2\left(r^2 - r2^2\right)}\ 24\, r2^5 \Bigg(\mathrm{Cos}[\lambda] \Bigg(-\frac{1}{2\, r\, r2}\ \mathrm{Cos}[\lambda 1] \Bigg(\Bigg(2\left(r^2 - 2\, r\, r2 + r2^2\right)$$

$$\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 1]}{r^2 - 2\, r\, r2 + r2^2}}\ \mathrm{EllipticE}\Big[\frac{\theta 1}{2},$$

$$-\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\Big]\Bigg) \Big/ \left(\sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 1]}\right) -$$

$$\Bigg(2\left(r^2 + r2^2\right) \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 1]}{r^2 - 2\, r\, r2 + r2^2}}\ \mathrm{EllipticF}\Big[\frac{\theta 1}{2},$$

$$-\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\Big]\Bigg) \Big/ \left(\sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 1]}\right)\Bigg) -$$

$$\left(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}\left(-r^2-r2^2+r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}+r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}\right)\mathrm{Sin}[\lambda 1]\right)\Big/\left(r\,r2\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}\right)+$$

$$\mathrm{Sin}[\lambda]\left(\left(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}\left(-r^2-r2^2+r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}+r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}\right)\mathrm{Cos}[\lambda 1]\right)\Big/\left(r\,r2\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}\right)-\right.$$

$$\frac{1}{2\,r\,r2}\left(\left(2\left(r^2-2\,r\,r2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r2+r2^2}}\,\mathrm{EllipticE}\left[\frac{\theta 1}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}\right)-\right.$$

$$\left.\left(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r2+r2^2}}\,\mathrm{EllipticF}\left[\frac{\theta 1}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}\right)\right)\mathrm{Sin}[\lambda 1]\Bigg)\Bigg)-$$

$$\frac{1}{r^2-r2^2}\,12\,r2^3\left(\mathrm{Cos}[\lambda]\left(-\frac{1}{2\,r\,r2}\,\mathrm{Cos}[\lambda 1]\left(\left(2\left(r^2-2\,r\,r2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r2+r2^2}}\,\mathrm{EllipticE}\left[\frac{\theta 1}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}\right)-\right.\right.$$

$$\left(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r2+r2^2}}\,\mathrm{EllipticF}\left[\frac{\theta 1}{2},\right.\right.$$

$$-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\Big)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta1]}\right)\Big)+$$

$$\left(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta1]}{r^2+r2^2}}\left(-r^2-r2^2+r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta1]}{r^2+r2^2}}+\right.\right.$$

$$\left.r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta1]}{r^2+r2^2}}\right)$$

$$\left.\mathrm{Sin}[\lambda1]\right)\Big/\left(r\,r2\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta1]}\right)\Big)-$$

$$\mathrm{Sin}[\lambda]\left(\left(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta1]}{r^2+r2^2}}\left(-r^2-r2^2+r^2\right.\right.\right.$$

$$\left.\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta1]}{r^2+r2^2}}+r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta1]}{r^2+r2^2}}\right)$$

$$\left.\mathrm{Cos}[\lambda1]\right)\Big/\left(r\,r2\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta1]}\right)+$$

$$\frac{1}{2\,r\,r2}\left(\left(2\left(r^2-2\,r\,r2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta1]}{r^2-2\,r\,r2+r2^2}}\,\mathrm{EllipticE}\Big[\right.\right.$$

$$\frac{\theta1}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\Big)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta1]}\right)-$$

$$\left(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta1]}{r^2-2\,r\,r2+r2^2}}\,\mathrm{EllipticF}\Big[\frac{\theta1}{2},\right.$$

$$\left.\left.-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\Big)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta1]}\right)\right)\mathrm{Sin}[\lambda1]\right)\Big)+$$

$$\frac{1}{r^2\left(r^2-r2^2\right)}\,24\,r2^5\left(\mathrm{Cos}[\lambda]\left(-\frac{1}{2\,r\,r2}\,\mathrm{Cos}[\lambda1]\left(\left(2\left(r^2-2\,r\,r2+r2^2\right)\right.\right.\right.\right.$$

$$\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta1]}{r^2-2\,r\,r2+r2^2}}\,\mathrm{EllipticE}\Big[\frac{\theta1}{2},$$

$$-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\Big)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta1]}\right)-$$

$$\left(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticF}\left[\frac{\theta 1}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}\right)\Bigg)+$$

$$\left(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}\left(-r^2-r2^2+r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}+r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}\right)\right.$$

$$\left.\mathrm{Sin}[\lambda 1]\right)\Big/\left(r\,r2\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}\right)\Bigg)-$$

$$\mathrm{Sin}[\lambda]\left(\left(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}\left(-r^2-r2^2+r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}+r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}\right)\right.\right.$$

$$\left.\mathrm{Cos}[\lambda 1]\right)\Big/\left(r\,r2\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}\right)+$$

$$\frac{1}{2\,r\,r2}\left(\left(2\left(r^2-2\,r\,r2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticE}\left[\frac{\theta 1}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}\right)-\right.$$

$$\left.\left(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticF}\left[\frac{\theta 1}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}\right)\right)\mathrm{Sin}[\lambda 1]\Bigg)\Bigg)+$$

$$\frac{1}{r^2-r1^2}\,32\,r^2\,r1\left(\mathrm{Cos}[\lambda]\,(-1+2\,\mathrm{Cos}[2\,\lambda])\left(-\frac{1}{2\,r\,r1}\,\mathrm{Cos}[3\,\lambda 1]\right.\right.$$

$$\left(\left(2\left(r^2-2\,r\,r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticE}\right[\right.$$

$$\frac{\theta 1}{2}, -\frac{4\, r\, r1}{r^2 - 2\, r\, r1 + r1^2}\Big]\Big) \Big/ \left(\sqrt{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 1]}\right) -$$

$$\left(2\left(r^2 + r1^2\right)\sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 1]}{r^2 - 2\, r\, r1 + r1^2}}\ \mathrm{EllipticF}\Big[\frac{\theta 1}{2},\right.$$

$$\left.-\frac{4\, r\, r1}{r^2 - 2\, r\, r1 + r1^2}\Big]\right) \Big/ \left(\sqrt{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 1]}\right)\Bigg) -$$

$$\left(\sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 1]}{r^2 + r1^2}}\left(-r^2 - r1^2 + r^2\sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 1]}{r^2 + r1^2}} +\right.\right.$$

$$\left.\left. r1^2\sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 1]}{r^2 + r1^2}}\right)(1 + 2\,\mathrm{Cos}[2\,\lambda 1])\,\mathrm{Sin}[\lambda 1]\right) \Big/$$

$$\left(r\, r1\sqrt{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 1]}\right)\Bigg) + (1 + 2\,\mathrm{Cos}[2\,\lambda])\,\mathrm{Sin}[\lambda]$$

$$\Bigg(\Bigg(\sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 1]}{r^2 + r1^2}}\left(-r^2 - r1^2 + r^2\sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 1]}{r^2 + r1^2}} +\right.$$

$$\left. r1^2\sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 1]}{r^2 + r1^2}}\right)\mathrm{Cos}[\lambda 1]\,(-1 + 2\,\mathrm{Cos}[2\,\lambda 1])\Bigg) \Big/$$

$$\left(r\, r1\sqrt{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 1]}\right) - \frac{1}{2\, r\, r1}\Bigg(\Bigg(2\left(r^2 - 2\, r\, r1 + r1^2\right)$$

$$\sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 1]}{r^2 - 2\, r\, r1 + r1^2}}\ \mathrm{EllipticE}\Big[\frac{\theta 1}{2}, -\frac{4\, r\, r1}{r^2 - 2\, r\, r1 + r1^2}\Big]\Bigg) \Big/$$

$$\left(\sqrt{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 1]}\right) - \Bigg(2\left(r^2 + r1^2\right)$$

$$\sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 1]}{r^2 - 2\, r\, r1 + r1^2}}\ \mathrm{EllipticF}\Big[\frac{\theta 1}{2}, -\frac{4\, r\, r1}{r^2 - 2\, r\, r1 + r1^2}\Big]\Bigg) \Big/$$

$$\left(\sqrt{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 1]}\right)\Bigg)\,\mathrm{Sin}[3\,\lambda 1]\Bigg)\Bigg) -$$

$$\frac{1}{r^2 - r1^2}\, 12\, r1^3\Bigg(\mathrm{Cos}[\lambda]\,(-1 + 2\,\mathrm{Cos}[2\,\lambda])\Bigg(-\frac{1}{2\, r\, r1}\,\mathrm{Cos}[3\,\lambda 1]$$

$$\left(\left(2\left(r^2-2\,r\,r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticE}\left[\frac{\theta1}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}\right)-\left(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticF}\left[\frac{\theta1}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}\right)\right)-\left(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}{r^2+r1^2}}\left(-r^2-r1^2+r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}{r^2+r1^2}}+r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}{r^2+r1^2}}\right)(1+2\,\mathrm{Cos}[2\,\lambda1])\,\mathrm{Sin}[\lambda1]\right)\Big/\left(r\,r1\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}\right)\right)+(1+2\,\mathrm{Cos}[2\,\lambda])\,\mathrm{Sin}[\lambda]$$

$$\left(\left(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}{r^2+r1^2}}\left(-r^2-r1^2+r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}{r^2+r1^2}}+r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}{r^2+r1^2}}\right)\mathrm{Cos}[\lambda1]\,(-1+2\,\mathrm{Cos}[2\,\lambda1])\right)\Big/\left(r\,r1\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}\right)-\frac{1}{2\,r\,r1}\left(\left(2\left(r^2-2\,r\,r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticE}\left[\frac{\theta1}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}\right)-\left(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticF}\left[\frac{\theta1}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}\right)\right)\mathrm{Sin}[3\,\lambda1]\right)\right)-$$

$$\frac{1}{r^2\left(r^2-r1^2\right)}\,8\,r1^5\left(\mathrm{Cos}[\lambda]\,(-1+2\,\mathrm{Cos}[2\,\lambda])\left(-\frac{1}{2\,r\,r1}\,\mathrm{Cos}[3\,\lambda1]\right.\right.$$

$$\left(\left(2\left(r^2-2\,r\,r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticE}\Big[\right.\right.$$

$$\left.\left.\frac{\theta1}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}\right)-$$

$$\left(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticF}\Big[\frac{\theta1}{2},\right.$$

$$\left.-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}\right)\Bigg)-$$

$$\left(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}{r^2+r1^2}}\left(-r^2-r1^2+r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}{r^2+r1^2}}+\right.\right.$$

$$\left.\left.r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}{r^2+r1^2}}\right)(1+2\,\mathrm{Cos}[2\,\lambda1])\,\mathrm{Sin}[\lambda1]\right)\Big/$$

$$\left(r\,r1\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}\right)\Bigg)+(1+2\,\mathrm{Cos}[2\,\lambda])\,\mathrm{Sin}[\lambda]$$

$$\left(\left(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}{r^2+r1^2}}\left(-r^2-r1^2+r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}{r^2+r1^2}}+\right.\right.\right.$$

$$\left.\left.r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}{r^2+r1^2}}\right)\mathrm{Cos}[\lambda1]\,(-1+2\,\mathrm{Cos}[2\,\lambda1])\right)\Big/$$

$$\left(r\,r1\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}\right)-\frac{1}{2\,r\,r1}\left(\left(2\left(r^2-2\,r\,r1+r1^2\right)\right.\right.$$

$$\left.\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticE}\Big[\frac{\theta1}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\right)\Big/$$

$$\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}\right)-\left(2\left(r^2+r1^2\right)\right.$$

$$\left.\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticF}\Big[\frac{\theta1}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\right)\Big/$$

$$\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}\right)\Bigg)\,\mathrm{Sin}[3\,\lambda 1]\Bigg)\Bigg)+$$

$$\frac{1}{r^2-r1^2}\,32\,r^2\,r1\,\Bigg(\mathrm{Cos}[\lambda]\,(-1+2\,\mathrm{Cos}[2\,\lambda])\,\Bigg(-\frac{1}{2\,r\,r1}\,\mathrm{Cos}[3\,\lambda 1]$$

$$\Bigg(\Bigg(2\,(r^2-2\,r\,r1+r1^2)\,\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticE}\Big[$$

$$\frac{\theta 1}{2},\,-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Bigg)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}\right)-$$

$$\Bigg(2\,(r^2+r1^2)\,\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticF}\Big[\frac{\theta 1}{2},$$

$$-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Bigg)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}\right)\Bigg)+$$

$$\Bigg(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2+r1^2}}\;\Bigg(-r^2-r1^2+r^2\,\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2+r1^2}}+$$

$$r1^2\,\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2+r1^2}}\Bigg)\,(1+2\,\mathrm{Cos}[2\,\lambda 1])\,\mathrm{Sin}[\lambda 1]\Bigg)\Big/$$

$$\left(r\,r1\,\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}\right)\Bigg)-(1+2\,\mathrm{Cos}[2\,\lambda])\,\mathrm{Sin}[\lambda]$$

$$\Bigg(\Bigg(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2+r1^2}}\;\Bigg(-r^2-r1^2+r^2\,\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2+r1^2}}+$$

$$r1^2\,\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2+r1^2}}\Bigg)\,\mathrm{Cos}[\lambda 1]\,(-1+2\,\mathrm{Cos}[2\,\lambda 1])\Bigg)\Big/$$

$$\left(r\,r1\,\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}\right)+\frac{1}{2\,r\,r1}\,\Bigg(\Bigg(2\,(r^2-2\,r\,r1+r1^2)$$

$$\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticE}\Big[\frac{\theta 1}{2},\,-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Bigg)\Big/$$

$$\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}\right)-\Bigg(2\,(r^2+r1^2)$$

$$\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticF}\left[\frac{\theta 1}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\Bigg)\Bigg/$$

$$\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}\right)\Bigg)\,\mathrm{Sin}[3\,\lambda 1]\Bigg)\Bigg)-$$

$$\frac{1}{r^2-r1^2}\,12\,r1^3\Bigg(\mathrm{Cos}[\lambda]\,(-1+2\,\mathrm{Cos}[2\,\lambda])\Bigg(-\frac{1}{2\,r\,r1}\,\mathrm{Cos}[3\,\lambda 1]$$

$$\Bigg(\Bigg(2\left(r^2-2\,r\,r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticE}\Big[$$

$$\frac{\theta 1}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Bigg)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}\right)-$$

$$\Bigg(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticF}\Big[\frac{\theta 1}{2},$$

$$-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Bigg)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}\right)\Bigg)+$$

$$\Bigg(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2+r1^2}}\Bigg(-r^2-r1^2+r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2+r1^2}}+$$

$$r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2+r1^2}}\Bigg)\,(1+2\,\mathrm{Cos}[2\,\lambda 1])\,\mathrm{Sin}[\lambda 1]\Bigg)\Big/$$

$$\left(r\,r1\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}\right)\Bigg)-(1+2\,\mathrm{Cos}[2\,\lambda])\,\mathrm{Sin}[\lambda]$$

$$\Bigg(\Bigg(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2+r1^2}}\Bigg(-r^2-r1^2+r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2+r1^2}}+$$

$$r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2+r1^2}}\Bigg)\,\mathrm{Cos}[\lambda 1]\,(-1+2\,\mathrm{Cos}[2\,\lambda 1])\Bigg)\Big/$$

$$\left(r\,r1\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}\right)+\frac{1}{2\,r\,r1}\Bigg(\Bigg(2\left(r^2-2\,r\,r1+r1^2\right)$$

$$\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticE}\Big[\frac{\theta 1}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Bigg)\Big/$$

$$\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}\right)-\left(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticF}\left[\frac{\theta 1}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}\right)\Bigg)\,\mathrm{Sin}[3\,\lambda 1]\Bigg)\Bigg)-$$

$$\frac{1}{r^2\left(r^2-r1^2\right)}\,8\,r1^5\Bigg(\mathrm{Cos}[\lambda]\,(-1+2\,\mathrm{Cos}[2\,\lambda])\Bigg(-\frac{1}{2\,r\,r1}\,\mathrm{Cos}[3\,\lambda 1]$$

$$\Bigg(\Bigg(2\left(r^2-2\,r\,r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticE}\Big[$$

$$\frac{\theta 1}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Bigg)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}\right)-$$

$$\Bigg(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticF}\Big[\frac{\theta 1}{2},$$

$$-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Bigg)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}\right)\Bigg)+$$

$$\Bigg(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2+r1^2}}\;\Bigg(-r^2-r1^2+r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2+r1^2}}+$$

$$r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2+r1^2}}\Bigg)\,(1+2\,\mathrm{Cos}[2\,\lambda 1])\,\mathrm{Sin}[\lambda 1]\Bigg)\Big/$$

$$\left(r\,r1\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}\right)\Bigg)-(1+2\,\mathrm{Cos}[2\,\lambda])\,\mathrm{Sin}[\lambda]$$

$$\Bigg(\Bigg(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2+r1^2}}\;\Bigg(-r^2-r1^2+r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2+r1^2}}+$$

$$r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2+r1^2}}\Bigg)\,\mathrm{Cos}[\lambda 1]\,(-1+2\,\mathrm{Cos}[2\,\lambda 1])\Bigg)\Big/$$

$$\left(r\,r1\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}\right)+\frac{1}{2\,r\,r1}\Bigg(\Bigg(2\left(r^2-2\,r\,r1+r1^2\right)$$

$$\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticE}\left[\frac{\theta 1}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\Bigg)\Bigg/$$

$$\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}\right)-\Bigg(2\left(r^2+r1^2\right)$$

$$\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticF}\left[\frac{\theta 1}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\Bigg)\Bigg/$$

$$\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}\right)\Bigg)\,\mathrm{Sin}[3\,\lambda 1]\Bigg)\Bigg)-$$

$$\frac{1}{r^2-r2^2}\,32\,r^2\,r2\,\Bigg(\mathrm{Cos}[\lambda]\,(-1+2\,\mathrm{Cos}[2\,\lambda])\,\Bigg(-\frac{1}{2\,r\,r2}\,\mathrm{Cos}[3\,\lambda 1]$$

$$\Bigg(\Bigg(2\left(r^2-2\,r\,r2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticE}\Big[$$

$$\frac{\theta 1}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\Bigg)\Bigg/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}\right)-$$

$$\Bigg(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticF}\Big[\frac{\theta 1}{2},$$

$$-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\Bigg)\Bigg/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}\right)\Bigg)-$$

$$\Bigg(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}\;\Bigg(-r^2-r2^2+r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}+$$

$$r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}\Bigg)\,(1+2\,\mathrm{Cos}[2\,\lambda 1])\,\mathrm{Sin}[\lambda 1]\Bigg)\Bigg/$$

$$\left(r\,r2\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}\right)\Bigg)+(1+2\,\mathrm{Cos}[2\,\lambda])\,\mathrm{Sin}[\lambda]$$

$$\Bigg(\Bigg(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}\;\Bigg(-r^2-r2^2+r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}+$$

$$r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}\Bigg)\,\mathrm{Cos}[\lambda 1]\,(-1+2\,\mathrm{Cos}[2\,\lambda 1])\Bigg)\Bigg/$$

$$\left(r\ r2\ \sqrt{r^2+r2^2-2\ r\ r2\ \mathrm{Cos}[\theta 1]}\right)-\frac{1}{2\ r\ r2}\left(\left(2\left(r^2-2\ r\ r2+r2^2\right)\right.\right.$$

$$\left.\sqrt{\frac{r^2+r2^2-2\ r\ r2\ \mathrm{Cos}[\theta 1]}{r^2-2\ r\ r2+r2^2}}\ \mathrm{EllipticE}\left[\frac{\theta 1}{2},-\frac{4\ r\ r2}{r^2-2\ r\ r2+r2^2}\right]\right)\Big/$$

$$\left(\sqrt{r^2+r2^2-2\ r\ r2\ \mathrm{Cos}[\theta 1]}\right)-\left(2\left(r^2+r2^2\right)\right.$$

$$\left.\sqrt{\frac{r^2+r2^2-2\ r\ r2\ \mathrm{Cos}[\theta 1]}{r^2-2\ r\ r2+r2^2}}\ \mathrm{EllipticF}\left[\frac{\theta 1}{2},-\frac{4\ r\ r2}{r^2-2\ r\ r2+r2^2}\right]\right)\Big/$$

$$\left.\left.\left(\sqrt{r^2+r2^2-2\ r\ r2\ \mathrm{Cos}[\theta 1]}\right)\right)\ \mathrm{Sin}[3\ \lambda 1]\right)\Bigg)+$$

$$\frac{1}{r^2-r2^2}\ 12\ r2^3\left(\mathrm{Cos}[\lambda]\ (-1+2\ \mathrm{Cos}[2\ \lambda])\ \left(-\frac{1}{2\ r\ r2}\ \mathrm{Cos}[3\ \lambda 1]\right.\right.$$

$$\left(\left(2\left(r^2-2\ r\ r2+r2^2\right)\ \sqrt{\frac{r^2+r2^2-2\ r\ r2\ \mathrm{Cos}[\theta 1]}{r^2-2\ r\ r2+r2^2}}\ \mathrm{EllipticE}\Big[\right.\right.$$

$$\left.\frac{\theta 1}{2},-\frac{4\ r\ r2}{r^2-2\ r\ r2+r2^2}\right]\Big)\Big/\left(\sqrt{r^2+r2^2-2\ r\ r2\ \mathrm{Cos}[\theta 1]}\right)-$$

$$\left(2\left(r^2+r2^2\right)\ \sqrt{\frac{r^2+r2^2-2\ r\ r2\ \mathrm{Cos}[\theta 1]}{r^2-2\ r\ r2+r2^2}}\ \mathrm{EllipticF}\Big[\frac{\theta 1}{2},\right.$$

$$\left.-\frac{4\ r\ r2}{r^2-2\ r\ r2+r2^2}\right]\Big)\Big/\left(\sqrt{r^2+r2^2-2\ r\ r2\ \mathrm{Cos}[\theta 1]}\right)\Bigg)-$$

$$\left(\sqrt{\frac{r^2+r2^2-2\ r\ r2\ \mathrm{Cos}[\theta 1]}{r^2+r2^2}}\ \left(-r^2-r2^2+r^2\ \sqrt{\frac{r^2+r2^2-2\ r\ r2\ \mathrm{Cos}[\theta 1]}{r^2+r2^2}}+\right.\right.$$

$$\left.\left.r2^2\ \sqrt{\frac{r^2+r2^2-2\ r\ r2\ \mathrm{Cos}[\theta 1]}{r^2+r2^2}}\right)\ (1+2\ \mathrm{Cos}[2\ \lambda 1])\ \mathrm{Sin}[\lambda 1]\right)\Big/$$

$$\left.\left(r\ r2\ \sqrt{r^2+r2^2-2\ r\ r2\ \mathrm{Cos}[\theta 1]}\right)\right)+(1+2\ \mathrm{Cos}[2\ \lambda])\ \mathrm{Sin}[\lambda]$$

$$\left(\left(\sqrt{\frac{r^2+r2^2-2\ r\ r2\ \mathrm{Cos}[\theta 1]}{r^2+r2^2}}\ \left(-r^2-r2^2+r^2\ \sqrt{\frac{r^2+r2^2-2\ r\ r2\ \mathrm{Cos}[\theta 1]}{r^2+r2^2}}+\right.\right.\right.$$

$$r2^2 \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 1]}{r^2 + r2^2}}\Bigg) \mathrm{Cos}[\lambda 1]\, (-1 + 2\, \mathrm{Cos}[2\, \lambda 1])\Bigg) \Big/$$

$$\left(r\, r2\, \sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 1]}\right) - \frac{1}{2\, r\, r2} \Bigg(\Bigg(2\, \left(r^2 - 2\, r\, r2 + r2^2\right)$$

$$\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 1]}{r^2 - 2\, r\, r2 + r2^2}}\ \mathrm{EllipticE}\left[\frac{\theta 1}{2}, -\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\right]\Bigg) \Big/$$

$$\left(\sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 1]}\right) - \Bigg(2\, \left(r^2 + r2^2\right)$$

$$\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 1]}{r^2 - 2\, r\, r2 + r2^2}}\ \mathrm{EllipticF}\left[\frac{\theta 1}{2}, -\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\right]\Bigg) \Big/$$

$$\left(\sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 1]}\right)\Bigg) \mathrm{Sin}[3\, \lambda 1]\Bigg)\Bigg) +$$

$$\frac{1}{r^2\, \left(r^2 - r2^2\right)}\, 8\, r2^5 \Bigg(\mathrm{Cos}[\lambda]\, (-1 + 2\, \mathrm{Cos}[2\, \lambda])\, \Bigg(-\frac{1}{2\, r\, r2}\, \mathrm{Cos}[3\, \lambda 1]$$

$$\Bigg(\Bigg(2\, \left(r^2 - 2\, r\, r2 + r2^2\right) \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 1]}{r^2 - 2\, r\, r2 + r2^2}}\ \mathrm{EllipticE}\Big[$$

$$\frac{\theta 1}{2}, -\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\Big]\Bigg) \Big/ \left(\sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 1]}\right) -$$

$$\Bigg(2\, \left(r^2 + r2^2\right) \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 1]}{r^2 - 2\, r\, r2 + r2^2}}\ \mathrm{EllipticF}\Big[\frac{\theta 1}{2},$$

$$-\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\Big]\Bigg) \Big/ \left(\sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 1]}\right)\Bigg) -$$

$$\Bigg(\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 1]}{r^2 + r2^2}}\ \Bigg(-r^2 - r2^2 + r^2 \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 1]}{r^2 + r2^2}} +$$

$$r2^2 \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 1]}{r^2 + r2^2}}\Bigg) (1 + 2\, \mathrm{Cos}[2\, \lambda 1])\, \mathrm{Sin}[\lambda 1]\Bigg) \Big/$$

$$\left(r\, r2\, \sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 1]}\right)\Bigg) + (1 + 2\, \mathrm{Cos}[2\, \lambda])\, \mathrm{Sin}[\lambda]$$

$$\left(\left(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}\left(-r^2-r2^2+r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}+\right.\right.\right.$$

$$\left.r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}\right)\mathrm{Cos}[\lambda 1]\,(-1+2\,\mathrm{Cos}[2\,\lambda 1])\Bigg)\Bigg/$$

$$\left(r\,r2\,\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}\right)-\frac{1}{2\,r\,r2}\left(\left(2\left(r^2-2\,r\,r2+r2^2\right)\right.\right.$$

$$\left.\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r2+r2^2}}\,\mathrm{EllipticE}\left[\frac{\theta 1}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Bigg/$$

$$\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}\right)-\left(2\left(r^2+r2^2\right)\right.$$

$$\left.\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r2+r2^2}}\,\mathrm{EllipticF}\left[\frac{\theta 1}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Bigg/$$

$$\left.\left.\left.\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}\right)\right)\mathrm{Sin}[3\,\lambda 1]\right)\right)-$$

$$\frac{1}{r^2-r2^2}\,32\,r^2\,r2\left(\mathrm{Cos}[\lambda]\,(-1+2\,\mathrm{Cos}[2\,\lambda])\left(-\frac{1}{2\,r\,r2}\,\mathrm{Cos}[3\,\lambda 1]\right.\right.$$

$$\left(\left(2\left(r^2-2\,r\,r2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r2+r2^2}}\,\mathrm{EllipticE}\right.\right.$$

$$\left.\left.\left[\frac{\theta 1}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Bigg/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}\right)-$$

$$\left(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r2+r2^2}}\,\mathrm{EllipticF}\left[\frac{\theta 1}{2},\right.\right.$$

$$\left.\left.\left.-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Bigg/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}\right)\right)+$$

$$\left(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}\left(-r^2-r2^2+r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}+\right.\right.$$

$$\left.r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}\right)(1+2\,\mathrm{Cos}[2\,\lambda 1])$$

$$\text{Sin}[\lambda 1]\Big)\Big/\Big(r\,r2\,\sqrt{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 1]}\Big)\Big)-$$

$$(1+2\,\text{Cos}[2\,\lambda])\,\text{Sin}[\lambda]\,\Bigg(\Bigg(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 1]}{r^2+r2^2}}\,\Bigg(-r^2-r2^2+$$

$$r^2\,\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 1]}{r^2+r2^2}}+r2^2\,\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 1]}{r^2+r2^2}}\Bigg)$$

$$\text{Cos}[\lambda 1]\,(-1+2\,\text{Cos}[2\,\lambda 1])\Bigg)\Big/\Big(r\,r2\,\sqrt{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 1]}\Big)+$$

$$\frac{1}{2\,r\,r2}\,\Bigg(\Bigg(2\,\left(r^2-2\,r\,r2+r2^2\right)\,\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 1]}{r^2-2\,r\,r2+r2^2}}$$

$$\text{EllipticE}\Big[\frac{\theta 1}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\Bigg)\Big/$$

$$\Big(\sqrt{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 1]}\Big)-\Bigg(2\,\left(r^2+r2^2\right)$$

$$\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 1]}{r^2-2\,r\,r2+r2^2}}\;\text{EllipticF}\Big[\frac{\theta 1}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\Bigg)\Big/$$

$$\Big(\sqrt{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 1]}\Big)\Bigg)\,\text{Sin}[3\,\lambda 1]\Bigg)\Bigg)+$$

$$\frac{1}{r^2-r2^2}\,12\,r2^3\,\Bigg(\text{Cos}[\lambda]\,(-1+2\,\text{Cos}[2\,\lambda])\,\Bigg(-\frac{1}{2\,r\,r2}\,\text{Cos}[3\,\lambda 1]$$

$$\Bigg(\Bigg(2\,\left(r^2-2\,r\,r2+r2^2\right)\,\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 1]}{r^2-2\,r\,r2+r2^2}}\;\text{EllipticE}\Big[$$

$$\frac{\theta 1}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\Bigg)\Big/\Big(\sqrt{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 1]}\Big)-$$

$$\Bigg(2\,\left(r^2+r2^2\right)\,\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 1]}{r^2-2\,r\,r2+r2^2}}\;\text{EllipticF}\Big[\frac{\theta 1}{2},$$

$$-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\Bigg)\Big/\Big(\sqrt{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 1]}\Big)\Bigg)+$$

$$\left(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}\left(-r^2-r2^2+r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}+\right.\right.$$

$$\left.r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}\right)(1+2\,\mathrm{Cos}[2\,\lambda 1])$$

$$\left.\mathrm{Sin}[\lambda 1]\right)\Big/\left(r\,r2\,\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}\right)\Bigg)-$$

$$(1+2\,\mathrm{Cos}[2\,\lambda])\,\mathrm{Sin}[\lambda]\left(\left(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}\left(-r^2-r2^2+\right.\right.\right.$$

$$\left.r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}+r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}\right)$$

$$\left.\mathrm{Cos}[\lambda 1]\,(-1+2\,\mathrm{Cos}[2\,\lambda 1])\right)\Big/\left(r\,r2\,\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}\right)+$$

$$\frac{1}{2\,r\,r2}\left(\left(2\left(r^2-2\,r\,r2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r2+r2^2}}\right.\right.$$

$$\left.\mathrm{EllipticE}\left[\frac{\theta 1}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Big/$$

$$\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}\right)-\left(2\left(r^2+r2^2\right)\right.$$

$$\left.\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r2+r2^2}}\,\mathrm{EllipticF}\left[\frac{\theta 1}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Big/$$

$$\left.\left.\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}\right)\right)\mathrm{Sin}[3\,\lambda 1]\right)\right)+$$

$$\frac{1}{r^2\left(r^2-r2^2\right)}\,8\,r2^5\left(\mathrm{Cos}[\lambda]\,(-1+2\,\mathrm{Cos}[2\,\lambda])\left(-\frac{1}{2\,r\,r2}\,\mathrm{Cos}[3\,\lambda 1]\right.\right.$$

$$\left(\left(2\left(r^2-2\,r\,r2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r2+r2^2}}\,\mathrm{EllipticE}\right.\right.$$

$$\left.\left.\frac{\theta 1}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}\right)-$$

$$\left(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta1]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticF}\left[\frac{\theta1}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta1]}\right)\Bigg)+$$

$$\left(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta1]}{r^2+r2^2}}\left(-r^2-r2^2+r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta1]}{r^2+r2^2}}+\right.\right.$$

$$\left.r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta1]}{r^2+r2^2}}\right)(1+2\,\mathrm{Cos}[2\,\lambda1])$$

$$\left.\mathrm{Sin}[\lambda1]\right)\Big/\left(r\,r2\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta1]}\right)\Bigg)-$$

$$(1+2\,\mathrm{Cos}[2\,\lambda])\,\mathrm{Sin}[\lambda]\left(\left(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta1]}{r^2+r2^2}}\left(-r^2-r2^2+\right.\right.\right.$$

$$\left.r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta1]}{r^2+r2^2}}+r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta1]}{r^2+r2^2}}\right)$$

$$\left.\mathrm{Cos}[\lambda1]\,(-1+2\,\mathrm{Cos}[2\,\lambda1])\right)\Big/\left(r\,r2\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta1]}\right)+$$

$$\frac{1}{2\,r\,r2}\left(\left(2\left(r^2-2\,r\,r2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta1]}{r^2-2\,r\,r2+r2^2}}\right.\right.$$

$$\left.\mathrm{EllipticE}\left[\frac{\theta1}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Big/$$

$$\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta1]}\right)-\left(2\left(r^2+r2^2\right)\right.$$

$$\left.\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta1]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticF}\left[\frac{\theta1}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Big/$$

$$\left.\left.\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta1]}\right)\right)\mathrm{Sin}[3\,\lambda1]\right)\right)-$$

$$\frac{1}{r^2-r1^2}\,12\,r1^3\left(\mathrm{Cos}[\lambda]\left(-\frac{1}{2\,r\,r1}\,\mathrm{Cos}[\lambda2]\left(\left(2\left(r^2-2\,r\,r1+r1^2\right)\right.\right.\right.\right.$$

$$\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r1+r1^2}}\ \mathrm{EllipticE}\Big[\frac{\theta 1}{2},$$

$$-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Big)\Big/\Big(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}\Big)-$$

$$\Big(2\,(r^2+r1^2)\,\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r1+r1^2}}\ \mathrm{EllipticF}\Big[\frac{\theta 1}{2},$$

$$-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Big)\Big/\Big(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}\Big)\Big)-$$

$$\Big(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2+r1^2}}\ \Big(-r^2-r1^2+r^2\,\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2+r1^2}}+$$

$$r1^2\,\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2+r1^2}}\Big)$$

$$\mathrm{Sin}[\lambda 2]\Big)\Big/\Big(r\,r1\,\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}\Big)\Big)+$$

$$\mathrm{Sin}[\lambda]\ \Big(\Big(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2+r1^2}}\ \Big(-r^2-r1^2+r^2$$

$$\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2+r1^2}}+r1^2\,\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2+r1^2}}\Big)$$

$$\mathrm{Cos}[\lambda 2]\Big)\Big/\Big(r\,r1\,\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}\Big)-$$

$$\frac{1}{2\,r\,r1}\ \Big(\Big(2\,(r^2-2\,r\,r1+r1^2)\,\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r1+r1^2}}\ \mathrm{EllipticE}\Big[$$

$$\frac{\theta 1}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Big)\Big/\Big(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}\Big)-$$

$$\Big(2\,(r^2+r1^2)\,\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r1+r1^2}}\ \mathrm{EllipticF}\Big[\frac{\theta 1}{2},$$

$$-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Big)\Big/\Big(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}\Big)\Big)\ \mathrm{Sin}[\lambda 2]\Big)\Big)+$$

$$\frac{1}{r^2\left(r^2-r1^2\right)}\,24\,r1^5\left(\mathrm{Cos}[\lambda]\left(-\frac{1}{2\,r\,r1}\,\mathrm{Cos}[\lambda 2]\left(\left(2\left(r^2-2\,r\,r1+r1^2\right)\right.\right.\right.\right.$$

$$\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticE}\left[\frac{\theta 1}{2},\right.$$

$$\left.\left.-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}\right)-$$

$$\left(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticF}\left[\frac{\theta 1}{2},\right.\right.$$

$$\left.\left.\left.-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}\right)\right)-$$

$$\left(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2+r1^2}}\left(-r^2-r1^2+r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2+r1^2}}+\right.\right.$$

$$\left.\left.r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2+r1^2}}\right)\right.$$

$$\left.\mathrm{Sin}[\lambda 2]\right)\Big/\left(r\,r1\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}\right)\Bigg)+$$

$$\mathrm{Sin}[\lambda]\left(\left(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2+r1^2}}\left(-r^2-r1^2+r^2\right.\right.\right.$$

$$\left.\left.\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2+r1^2}}+r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2+r1^2}}\right)\right.$$

$$\left.\mathrm{Cos}[\lambda 2]\right)\Big/\left(r\,r1\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}\right)-$$

$$\frac{1}{2\,r\,r1}\left(\left(2\left(r^2-2\,r\,r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticE}\left[\right.\right.\right.$$

$$\left.\left.\frac{\theta 1}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}\right)-$$

$$\left(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticF}\left[\frac{\theta 1}{2},\right.\right.$$

$$-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Big)\Big/\Big(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}\Big)\Big)\,\mathrm{Sin}[\lambda2]\Big)\Big)-$$

$$\frac{1}{r^2-r1^2}\,12\,r1^3\Big(\mathrm{Cos}[\lambda]\Big(-\frac{1}{2\,r\,r1}\,\mathrm{Cos}[\lambda2]\Big(\Big(2\,(r^2-2\,r\,r1+r1^2)$$

$$\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticE}\Big[\frac{\theta1}{2},$$

$$-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Big)\Big/\Big(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}\Big)-$$

$$\Big(2\,(r^2+r1^2)\,\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticF}\Big[\frac{\theta1}{2},$$

$$-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Big)\Big/\Big(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}\Big)\Big)+$$

$$\Big(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}{r^2+r1^2}}\;\Big(-r^2-r1^2+r^2\,\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}{r^2+r1^2}}+$$

$$r1^2\,\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}{r^2+r1^2}}\Big)$$

$$\mathrm{Sin}[\lambda2]\Big)\Big/\Big(r\,r1\,\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}\Big)\Big)-$$

$$\mathrm{Sin}[\lambda]\Big(\Big(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}{r^2+r1^2}}\;\Big(-r^2-r1^2+r^2$$

$$\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}{r^2+r1^2}}+r1^2\,\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}{r^2+r1^2}}\Big)$$

$$\mathrm{Cos}[\lambda2]\Big)\Big/\Big(r\,r1\,\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}\Big)+$$

$$\frac{1}{2\,r\,r1}\Big(\Big(2\,(r^2-2\,r\,r1+r1^2)\,\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticE}\Big[$$

$$\frac{\theta1}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Big)\Big/\Big(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}\Big)-$$

$$\left(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticF}\left[\frac{\theta1}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}\right)\mathrm{Sin}[\lambda2]\Bigg)\Bigg)+$$

$$\frac{1}{r^2\left(r^2-r1^2\right)}\,24\,r1^5\Bigg(\mathrm{Cos}[\lambda]\Bigg(-\frac{1}{2\,r\,r1}\,\mathrm{Cos}[\lambda2]\Bigg(\Bigg(2\left(r^2-2\,r\,r1+r1^2\right)$$

$$\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticE}\left[\frac{\theta1}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\Bigg)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}\right)-$$

$$\left(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticF}\left[\frac{\theta1}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}\right)+$$

$$\left(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}{r^2+r1^2}}\left(-r^2-r1^2+r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}{r^2+r1^2}}+r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}{r^2+r1^2}}\right)\right.$$

$$\left.\mathrm{Sin}[\lambda2]\right)\Big/\left(r\,r1\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}\right)\Bigg)-$$

$$\mathrm{Sin}[\lambda]\Bigg(\Bigg(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}{r^2+r1^2}}\Bigg(-r^2-r1^2+r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}{r^2+r1^2}}+r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}{r^2+r1^2}}\Bigg)$$

$$\mathrm{Cos}[\lambda2]\Bigg)\Big/\left(r\,r1\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}\right)+$$

$$\frac{1}{2\,r\,r1}\Bigg(\Bigg(2\left(r^2-2\,r\,r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticE}\Big[$$

$$\frac{\theta 1}{2}, -\frac{4\, r\, r1}{r^2 - 2\, r\, r1 + r1^2}\Big]\Big) \Big/ \left(\sqrt{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 1]}\right) -$$

$$\left(2\left(r^2 + r1^2\right)\sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 1]}{r^2 - 2\, r\, r1 + r1^2}}\ \mathrm{EllipticF}\Big[\frac{\theta 1}{2},\right.$$

$$\left.-\frac{4\, r\, r1}{r^2 - 2\, r\, r1 + r1^2}\Big]\right) \Big/ \left(\sqrt{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 1]}\right)\Big)\ \mathrm{Sin}[\lambda 2]\Big)\Big) +$$

$$\frac{1}{r^2 - r2^2}\ 12\, r2^3 \Big(\mathrm{Cos}[\lambda]\ \Big(-\frac{1}{2\, r\, r2}\ \mathrm{Cos}[\lambda 2]\ \Big(\Big(2\left(r^2 - 2\, r\, r2 + r2^2\right)$$

$$\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 1]}{r^2 - 2\, r\, r2 + r2^2}}\ \mathrm{EllipticE}\Big[\frac{\theta 1}{2},$$

$$-\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\Big]\Big) \Big/ \left(\sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 1]}\right) -$$

$$\left(2\left(r^2 + r2^2\right)\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 1]}{r^2 - 2\, r\, r2 + r2^2}}\ \mathrm{EllipticF}\Big[\frac{\theta 1}{2},\right.$$

$$\left.-\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\Big]\right) \Big/ \left(\sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 1]}\right)\Big) -$$

$$\Big(\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 1]}{r^2 + r2^2}}\ \Big(-r^2 - r2^2 + r^2\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 1]}{r^2 + r2^2}} +$$

$$r2^2\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 1]}{r^2 + r2^2}}\Big)$$

$$\mathrm{Sin}[\lambda 2]\Big) \Big/ \left(r\, r2\sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 1]}\right)\Big) +$$

$$\mathrm{Sin}[\lambda]\ \Big(\Big(\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 1]}{r^2 + r2^2}}\ \Big(-r^2 - r2^2 + r^2$$

$$\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 1]}{r^2 + r2^2}} + r2^2\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 1]}{r^2 + r2^2}}\Big)$$

$$\mathrm{Cos}[\lambda 2]\Big) \Big/ \left(r\, r2\sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 1]}\right) -$$

$$\frac{1}{2\,r\,r2}\left(\left(2\left(r^2-2\,r\,r2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta1]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticE}\left[\frac{\theta1}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta1]}\right)-\left(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta1]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticF}\left[\frac{\theta1}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta1]}\right)\right)\mathrm{Sin}[\lambda2]\right)\Bigg)-$$

$$\frac{1}{r^2\left(r^2-r2^2\right)}\,24\,r2^5\left(\mathrm{Cos}[\lambda]\left(-\frac{1}{2\,r\,r2}\,\mathrm{Cos}[\lambda2]\left(\left(2\left(r^2-2\,r\,r2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta1]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticE}\left[\frac{\theta1}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta1]}\right)-\left(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta1]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticF}\left[\frac{\theta1}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta1]}\right)\right)-\left(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta1]}{r^2+r2^2}}\left(-r^2-r2^2+r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta1]}{r^2+r2^2}}+r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta1]}{r^2+r2^2}}\right)\mathrm{Sin}[\lambda2]\right)\Big/\left(r\,r2\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta1]}\right)\right)+\mathrm{Sin}[\lambda]\left(\left(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta1]}{r^2+r2^2}}\left(-r^2-r2^2+r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta1]}{r^2+r2^2}}+r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta1]}{r^2+r2^2}}\right)\right.\right.$$

$$\text{Cos}[\lambda 2]\Big)\Big/\left(r\,r2\,\sqrt{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 1]}\right)-$$

$$\frac{1}{2\,r\,r2}\left(\left(2\left(r^2-2\,r\,r2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 1]}{r^2-2\,r\,r2+r2^2}}\;\text{EllipticE}\Big[\frac{\theta 1}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 1]}\right)-\right.$$

$$\left.\left(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 1]}{r^2-2\,r\,r2+r2^2}}\;\text{EllipticF}\Big[\frac{\theta 1}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 1]}\right)\right)\text{Sin}[\lambda 2]\Bigg)\Bigg)+$$

$$\frac{1}{r^2-r2^2}\,12\,r2^3\left(\text{Cos}[\lambda]\left(-\frac{1}{2\,r\,r2}\,\text{Cos}[\lambda 2]\left(\left(2\left(r^2-2\,r\,r2+r2^2\right)\right.\right.\right.\right.$$

$$\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 1]}{r^2-2\,r\,r2+r2^2}}\;\text{EllipticE}\Big[\frac{\theta 1}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\Big)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 1]}\right)-$$

$$\left(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 1]}{r^2-2\,r\,r2+r2^2}}\;\text{EllipticF}\Big[\frac{\theta 1}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 1]}\right)+$$

$$\left(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 1]}{r^2+r2^2}}\left(-r^2-r2^2+r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 1]}{r^2+r2^2}}+r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 1]}{r^2+r2^2}}\right)\right.$$

$$\left.\text{Sin}[\lambda 2]\right)\Big/\left(r\,r2\,\sqrt{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 1]}\right)\Bigg)-$$

$$\text{Sin}[\lambda]\left(\left(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 1]}{r^2+r2^2}}\left(-r^2-r2^2+r^2\right.\right.\right.$$

$$\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}+r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}\Bigg)$$

$$\mathrm{Cos}[\lambda 2]\Bigg)\Big/\left(r\,r2\,\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}\right)+$$

$$\frac{1}{2\,r\,r2}\left(\left(2\left(r^2-2\,r\,r2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticE}\Big[\right.\right.$$

$$\left.\frac{\theta 1}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}\right)-$$

$$\left(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticF}\Big[\frac{\theta 1}{2},\right.$$

$$\left.\left.-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}\right)\right)\mathrm{Sin}[\lambda 2]\Bigg)\Bigg)-$$

$$\frac{1}{r^2\left(r^2-r2^2\right)}\,24\,r2^5\left(\mathrm{Cos}[\lambda]\left(-\frac{1}{2\,r\,r2}\,\mathrm{Cos}[\lambda 2]\left(\left(2\left(r^2-2\,r\,r2+r2^2\right)\right.\right.\right.$$

$$\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticE}\Big[\frac{\theta 1}{2},$$

$$\left.-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}\right)-$$

$$\left(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticF}\Big[\frac{\theta 1}{2},\right.$$

$$\left.-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}\right)+$$

$$\left(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}\left(-r^2-r2^2+r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}+\right.\right.$$

$$\left.r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}\right)$$

$$\mathrm{Sin}[\lambda 2]\Bigg)\Big/\left(r\,r2\,\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}\right)\Bigg)-$$

$$\mathrm{Sin}[\lambda]\left(\left(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}\left(-r^2-r2^2+r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}+r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}\right)\mathrm{Cos}[\lambda 2]\right)\Big/\left(r\,r2\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}\right)+\right.$$

$$\frac{1}{2\,r\,r2}\left(\left(2\left(r^2-2\,r\,r2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r2+r2^2}}\,\mathrm{EllipticE}\left[\frac{\theta 1}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}\right)-\right.$$

$$\left.\left(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r2+r2^2}}\,\mathrm{EllipticF}\left[\frac{\theta 1}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}\right)\right)\mathrm{Sin}[\lambda 2]\right)\right)-$$

$$\frac{1}{r^2-r1^2}\,32\,r^2\,r1\left(\mathrm{Cos}[\lambda]\,(-1+2\,\mathrm{Cos}[2\,\lambda])\left(-\frac{1}{2\,r\,r1}\,\mathrm{Cos}[3\,\lambda 2]\right.\right.$$

$$\left(\left(2\left(r^2-2\,r\,r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r1+r1^2}}\,\mathrm{EllipticE}\left[\frac{\theta 1}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}\right)-\right.$$

$$\left.\left(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r1+r1^2}}\,\mathrm{EllipticF}\left[\frac{\theta 1}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}\right)\right)-$$

$$\left(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2+r1^2}}\left(-r^2-r1^2+r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2+r1^2}}+r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2+r1^2}}\right)(1+2\,\mathrm{Cos}[2\,\lambda 2])\right.$$

$$\text{Sin}[\lambda 2]\Big)\Big/\left(r\, r1\, \sqrt{r^2+r1^2-2\, r\, r1\, \text{Cos}[\theta 1]}\right)\Big) +$$

$$(1+2\,\text{Cos}[2\,\lambda])\,\text{Sin}[\lambda]\,\Bigg(\Bigg(\sqrt{\frac{r^2+r1^2-2\, r\, r1\, \text{Cos}[\theta 1]}{r^2+r1^2}}\,\Bigg(-r^2-r1^2+$$

$$r^2\,\sqrt{\frac{r^2+r1^2-2\, r\, r1\, \text{Cos}[\theta 1]}{r^2+r1^2}}+r1^2\,\sqrt{\frac{r^2+r1^2-2\, r\, r1\, \text{Cos}[\theta 1]}{r^2+r1^2}}\Bigg)$$

$$\text{Cos}[\lambda 2]\,(-1+2\,\text{Cos}[2\,\lambda 2])\Bigg)\Big/\left(r\, r1\, \sqrt{r^2+r1^2-2\, r\, r1\, \text{Cos}[\theta 1]}\right)-$$

$$\frac{1}{2\, r\, r1}\,\Bigg(\Bigg(2\,\left(r^2-2\, r\, r1+r1^2\right)\,\sqrt{\frac{r^2+r1^2-2\, r\, r1\, \text{Cos}[\theta 1]}{r^2-2\, r\, r1+r1^2}}$$

$$\text{EllipticE}\left[\frac{\theta 1}{2},-\frac{4\, r\, r1}{r^2-2\, r\, r1+r1^2}\right]\Bigg)\Big/$$

$$\left(\sqrt{r^2+r1^2-2\, r\, r1\, \text{Cos}[\theta 1]}\right)-\Bigg(2\,\left(r^2+r1^2\right)$$

$$\sqrt{\frac{r^2+r1^2-2\, r\, r1\, \text{Cos}[\theta 1]}{r^2-2\, r\, r1+r1^2}}\;\text{EllipticF}\left[\frac{\theta 1}{2},-\frac{4\, r\, r1}{r^2-2\, r\, r1+r1^2}\right]\Bigg)\Big/$$

$$\left(\sqrt{r^2+r1^2-2\, r\, r1\, \text{Cos}[\theta 1]}\right)\Bigg)\,\text{Sin}[3\,\lambda 2]\Bigg)\Bigg)+$$

$$\frac{1}{r^2-r1^2}\,12\, r1^3\,\Bigg(\text{Cos}[\lambda]\,(-1+2\,\text{Cos}[2\,\lambda])\,\Bigg(-\frac{1}{2\, r\, r1}\,\text{Cos}[3\,\lambda 2]$$

$$\Bigg(\Bigg(2\,\left(r^2-2\, r\, r1+r1^2\right)\,\sqrt{\frac{r^2+r1^2-2\, r\, r1\, \text{Cos}[\theta 1]}{r^2-2\, r\, r1+r1^2}}\;\text{EllipticE}\Big[$$

$$\frac{\theta 1}{2},-\frac{4\, r\, r1}{r^2-2\, r\, r1+r1^2}\Big]\Bigg)\Big/\left(\sqrt{r^2+r1^2-2\, r\, r1\, \text{Cos}[\theta 1]}\right)-$$

$$\Bigg(2\,\left(r^2+r1^2\right)\,\sqrt{\frac{r^2+r1^2-2\, r\, r1\, \text{Cos}[\theta 1]}{r^2-2\, r\, r1+r1^2}}\;\text{EllipticF}\Big[\frac{\theta 1}{2},$$

$$-\frac{4\, r\, r1}{r^2-2\, r\, r1+r1^2}\Big]\Bigg)\Big/\left(\sqrt{r^2+r1^2-2\, r\, r1\, \text{Cos}[\theta 1]}\right)-$$

$$\left(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2+r1^2}}\left(-r^2-r1^2+r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2+r1^2}}+\right.\right.$$

$$\left.r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2+r1^2}}\right)(1+2\,\mathrm{Cos}[2\,\lambda 2])$$

$$\left.\mathrm{Sin}[\lambda 2]\right)\Big/\left(r\,r1\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}\right)\Bigg)+$$

$$(1+2\,\mathrm{Cos}[2\,\lambda])\,\mathrm{Sin}[\lambda]\left(\left(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2+r1^2}}\left(-r^2-r1^2+\right.\right.\right.$$

$$\left.r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2+r1^2}}+r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2+r1^2}}\right)$$

$$\left.\mathrm{Cos}[\lambda 2]\,(-1+2\,\mathrm{Cos}[2\,\lambda 2])\right)\Big/\left(r\,r1\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}\right)-$$

$$\frac{1}{2\,r\,r1}\left(\left(2\left(r^2-2\,r\,r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r1+r1^2}}\right.\right.$$

$$\left.\mathrm{EllipticE}\left[\frac{\theta 1}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\right)\Big/$$

$$\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}\right)-\left(2\left(r^2+r1^2\right)\right.$$

$$\left.\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r1+r1^2}}\,\mathrm{EllipticF}\left[\frac{\theta 1}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\right)\Big/$$

$$\left.\left.\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}\right)\right)\mathrm{Sin}[3\,\lambda 2]\right)\Bigg)+$$

$$\frac{1}{r^2\left(r^2-r1^2\right)}\,8\,r1^5\left(\mathrm{Cos}[\lambda]\,(-1+2\,\mathrm{Cos}[2\,\lambda])\left(-\frac{1}{2\,r\,r1}\,\mathrm{Cos}[3\,\lambda 2]\right.\right.$$

$$\left(\left(2\left(r^2-2\,r\,r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r1+r1^2}}\,\mathrm{EllipticE}\right.\right.$$

$$\left.\left.\frac{\theta 1}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}\right)-$$

$$\left(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticF}\left[\frac{\theta1}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}\right)\Bigg)-$$

$$\left(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}{r^2+r1^2}}\left(-r^2-r1^2+r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}{r^2+r1^2}}+r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}{r^2+r1^2}}\right)(1+2\,\mathrm{Cos}[2\,\lambda2])\,\mathrm{Sin}[\lambda2]\right)\Big/\left(r\,r1\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}\right)\Bigg)+$$

$$(1+2\,\mathrm{Cos}[2\,\lambda])\,\mathrm{Sin}[\lambda]\left(\left(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}{r^2+r1^2}}\left(-r^2-r1^2+r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}{r^2+r1^2}}+r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}{r^2+r1^2}}\right)\right.\right.$$

$$\left.\mathrm{Cos}[\lambda2]\,(-1+2\,\mathrm{Cos}[2\,\lambda2])\right)\Big/\left(r\,r1\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}\right)-$$

$$\frac{1}{2\,r\,r1}\left(\left(2\left(r^2-2\,r\,r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}{r^2-2\,r\,r1+r1^2}}\right.\right.$$

$$\mathrm{EllipticE}\left[\frac{\theta1}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\Big)\Big/$$

$$\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}\right)-\left(2\left(r^2+r1^2\right)\right.$$

$$\left.\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticF}\left[\frac{\theta1}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\right)\Big/$$

$$\left.\left.\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}\right)\right)\mathrm{Sin}[3\,\lambda2]\right)\right)-$$

$$\frac{1}{r^2-r1^2}\,32\,r^2\,r1\left(\mathrm{Cos}[\lambda]\,(-1+2\,\mathrm{Cos}[2\,\lambda])\left(-\frac{1}{2\,r\,r1}\,\mathrm{Cos}[3\,\lambda2]\right.\right.$$

$$\left(\left(2\left(r^2-2\,r\,r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticE}\left[\frac{\theta1}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}\right)-\left(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticF}\left[\frac{\theta1}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}\right)\right)+\left(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}{r^2+r1^2}}\left(-r^2-r1^2+r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}{r^2+r1^2}}+r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}{r^2+r1^2}}\right)(1+2\,\mathrm{Cos}[2\,\lambda2])\,\mathrm{Sin}[\lambda2]\right)\Big/\left(r\,r1\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}\right)\right)-(1+2\,\mathrm{Cos}[2\,\lambda])\,\mathrm{Sin}[\lambda]\left(\left(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}{r^2+r1^2}}\left(-r^2-r1^2+r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}{r^2+r1^2}}+r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}{r^2+r1^2}}\right)\mathrm{Cos}[\lambda2]\,(-1+2\,\mathrm{Cos}[2\,\lambda2])\right)\Big/\left(r\,r1\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}\right)+\frac{1}{2\,r\,r1}\left(\left(2\left(r^2-2\,r\,r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticE}\left[\frac{\theta1}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}\right)-\left(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticF}\left[\frac{\theta1}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\right)\Big/$$

$$\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}\right)\Bigg)\,\mathrm{Sin}[3\,\lambda 2]\Bigg)\Bigg)+$$

$$\frac{1}{r^2-r1^2}\,12\,r1^3\Bigg(\mathrm{Cos}[\lambda]\,(-1+2\,\mathrm{Cos}[2\,\lambda])\Bigg(-\frac{1}{2\,r\,r1}\,\mathrm{Cos}[3\,\lambda 2]$$

$$\Bigg(\Bigg(2\left(r^2-2\,r\,r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticE}\Big[$$

$$\frac{\theta 1}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Bigg)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}\right)-$$

$$\Bigg(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticF}\Big[\frac{\theta 1}{2},$$

$$-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Bigg)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}\right)\Bigg)+$$

$$\Bigg(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2+r1^2}}\;\Bigg(-r^2-r1^2+r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2+r1^2}}+$$

$$r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2+r1^2}}\Bigg)\,(1+2\,\mathrm{Cos}[2\,\lambda 2])$$

$$\mathrm{Sin}[\lambda 2]\Bigg)\Big/\left(r\,r1\,\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}\right)\Bigg)-$$

$$(1+2\,\mathrm{Cos}[2\,\lambda])\,\mathrm{Sin}[\lambda]\Bigg(\Bigg(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2+r1^2}}\;\Bigg(-r^2-r1^2+$$

$$r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2+r1^2}}+r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2+r1^2}}\Bigg)$$

$$\mathrm{Cos}[\lambda 2]\,(-1+2\,\mathrm{Cos}[2\,\lambda 2])\Bigg)\Big/\left(r\,r1\,\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}\right)+$$

$$\frac{1}{2\,r\,r1}\Bigg(\Bigg(2\left(r^2-2\,r\,r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r1+r1^2}}$$

$$\mathrm{EllipticE}\Big[\frac{\theta 1}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Bigg)\Big/$$

$$\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}\right)-\left(2\left(r^2+r1^2\right)\right.$$

$$\left.\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticF}\left[\frac{\theta 1}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\right)\Big/$$

$$\left.\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}\right)\right)\mathrm{Sin}[3\,\lambda 2]\Bigg)\Bigg)+$$

$$\frac{1}{r^2\left(r^2-r1^2\right)}\;8\,r1^5\left(\mathrm{Cos}[\lambda]\;(-1+2\,\mathrm{Cos}[2\,\lambda])\;\left(-\frac{1}{2\,r\,r1}\;\mathrm{Cos}[3\,\lambda 2]\right.\right.$$

$$\left(\left(2\left(r^2-2\,r\,r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticE}\Big[\right.\right.$$

$$\left.\frac{\theta 1}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}\right)-$$

$$\left(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticF}\Big[\frac{\theta 1}{2},\right.$$

$$\left.-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}\right)\Bigg)+$$

$$\left(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2+r1^2}}\;\left(-r^2-r1^2+r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2+r1^2}}+\right.\right.$$

$$\left.r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2+r1^2}}\right)(1+2\,\mathrm{Cos}[2\,\lambda 2])$$

$$\left.\mathrm{Sin}[\lambda 2]\right)\Big/\left(r\,r1\,\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}\right)\Bigg)-$$

$$(1+2\,\mathrm{Cos}[2\,\lambda])\;\mathrm{Sin}[\lambda]\;\left(\left(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2+r1^2}}\;\left(-r^2-r1^2+\right.\right.\right.$$

$$\left.r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2+r1^2}}+r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2+r1^2}}\right)$$

$$\left.\mathrm{Cos}[\lambda 2]\;(-1+2\,\mathrm{Cos}[2\,\lambda 2])\right)\Big/\left(r\,r1\,\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}\right)+$$

$$\frac{1}{2\,r\,r1}\left(\left(2\left(r^2-2\,r\,r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}{r^2-2\,r\,r1+r1^2}}\right.\right.$$

$$\left.\mathrm{EllipticE}\left[\frac{\theta1}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\right)\Big/$$

$$\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}\right)-\left(2\left(r^2+r1^2\right)\right.$$

$$\left.\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticF}\left[\frac{\theta1}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\right)\Big/$$

$$\left.\left.\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}\right)\right)\mathrm{Sin}[3\,\lambda2]\right)\right)+$$

$$\frac{1}{r^2-r2^2}\,32\,r^2\,r2\left(\mathrm{Cos}[\lambda]\,(-1+2\,\mathrm{Cos}[2\,\lambda])\left(-\frac{1}{2\,r\,r2}\,\mathrm{Cos}[3\,\lambda2]\right.\right.$$

$$\left(\left(2\left(r^2-2\,r\,r2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta1]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticE}\right.\right.$$

$$\left.\left.\frac{\theta1}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta1]}\right)-$$

$$\left(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta1]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticF}\left[\frac{\theta1}{2},\right.\right.$$

$$\left.\left.-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta1]}\right)\Bigg)-$$

$$\left(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta1]}{r^2+r2^2}}\left(-r^2-r2^2+r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta1]}{r^2+r2^2}}+\right.\right.$$

$$\left.r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta1]}{r^2+r2^2}}\right)(1+2\,\mathrm{Cos}[2\,\lambda2])$$

$$\left.\mathrm{Sin}[\lambda2]\right)\Big/\left(r\,r2\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta1]}\right)\Bigg)+$$

$$(1+2\,\mathrm{Cos}[2\,\lambda])\,\mathrm{Sin}[\lambda]\left(\left(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta1]}{r^2+r2^2}}\left(-r^2-r2^2+\right.\right.\right.$$

$$r^2 \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 1]}{r^2 + r2^2}} + r2^2 \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 1]}{r^2 + r2^2}}\Bigg)$$

$$\mathrm{Cos}[\lambda 2]\ (-1 + 2\, \mathrm{Cos}[2\, \lambda 2])\Bigg) \Big/ \left(r\, r2\, \sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 1]}\right) -$$

$$\frac{1}{2\, r\, r2} \Bigg(\Bigg(2\, \left(r^2 - 2\, r\, r2 + r2^2\right) \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 1]}{r^2 - 2\, r\, r2 + r2^2}}$$

$$\mathrm{EllipticE}\left[\frac{\theta 1}{2}, -\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\right]\Bigg) \Big/$$

$$\left(\sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 1]}\right) - \Bigg(2\, \left(r^2 + r2^2\right)$$

$$\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 1]}{r^2 - 2\, r\, r2 + r2^2}}\ \mathrm{EllipticF}\left[\frac{\theta 1}{2}, -\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\right]\Bigg) \Big/$$

$$\left(\sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 1]}\right)\Bigg)\ \mathrm{Sin}[3\, \lambda 2]\Bigg)\Bigg) -$$

$$\frac{1}{r^2 - r2^2}\ 12\, r2^3 \Bigg(\mathrm{Cos}[\lambda]\ (-1 + 2\, \mathrm{Cos}[2\, \lambda])\ \Bigg(-\frac{1}{2\, r\, r2}\ \mathrm{Cos}[3\, \lambda 2]$$

$$\Bigg(\Bigg(2\, \left(r^2 - 2\, r\, r2 + r2^2\right) \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 1]}{r^2 - 2\, r\, r2 + r2^2}}\ \mathrm{EllipticE}\Big[$$

$$\frac{\theta 1}{2}, -\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\Big]\Bigg) \Big/ \left(\sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 1]}\right) -$$

$$\Bigg(2\, \left(r^2 + r2^2\right) \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 1]}{r^2 - 2\, r\, r2 + r2^2}}\ \mathrm{EllipticF}\Big[\frac{\theta 1}{2},$$

$$-\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\Big]\Bigg) \Big/ \left(\sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 1]}\right)\Bigg) -$$

$$\Bigg(\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 1]}{r^2 + r2^2}}\ \Bigg(-r^2 - r2^2 + r^2 \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 1]}{r^2 + r2^2}} +$$

$$r2^2 \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 1]}{r^2 + r2^2}}\Bigg)\ (1 + 2\, \mathrm{Cos}[2\, \lambda 2])$$

$$\text{Sin}[\lambda 2]\Big)\Big/\left(r\,r2\,\sqrt{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 1]}\right)\Big)+$$

$$(1+2\,\text{Cos}[2\,\lambda])\,\text{Sin}[\lambda]\,\Bigg(\Bigg(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 1]}{r^2+r2^2}}\,\Bigg(-r^2-r2^2+$$

$$r^2\,\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 1]}{r^2+r2^2}}+r2^2\,\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 1]}{r^2+r2^2}}\Bigg)$$

$$\text{Cos}[\lambda 2]\,(-1+2\,\text{Cos}[2\,\lambda 2])\Bigg)\Big/\left(r\,r2\,\sqrt{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 1]}\right)-$$

$$\frac{1}{2\,r\,r2}\,\Bigg(\Bigg(2\,\left(r^2-2\,r\,r2+r2^2\right)\,\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 1]}{r^2-2\,r\,r2+r2^2}}$$

$$\text{EllipticE}\left[\frac{\theta 1}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\Bigg)\Big/$$

$$\left(\sqrt{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 1]}\right)-\Bigg(2\,\left(r^2+r2^2\right)$$

$$\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 1]}{r^2-2\,r\,r2+r2^2}}\,\text{EllipticF}\left[\frac{\theta 1}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\Bigg)\Big/$$

$$\left(\sqrt{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 1]}\right)\Bigg)\,\text{Sin}[3\,\lambda 2]\Bigg)\Bigg)-$$

$$\frac{1}{r^2\,\left(r^2-r2^2\right)}\,8\,r2^5\,\Bigg(\text{Cos}[\lambda]\,(-1+2\,\text{Cos}[2\,\lambda])\,\Bigg(-\frac{1}{2\,r\,r2}\,\text{Cos}[3\,\lambda 2]$$

$$\Bigg(\Bigg(2\,\left(r^2-2\,r\,r2+r2^2\right)\,\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 1]}{r^2-2\,r\,r2+r2^2}}\,\text{EllipticE}\Big[$$

$$\frac{\theta 1}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\Bigg)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 1]}\right)-$$

$$\Bigg(2\,\left(r^2+r2^2\right)\,\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 1]}{r^2-2\,r\,r2+r2^2}}\,\text{EllipticF}\Big[\frac{\theta 1}{2},$$

$$-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\Bigg)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 1]}\right)\Bigg)-$$

$$\left(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}\left(-r^2-r2^2+r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}+\right.\right.$$

$$\left.r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}\right)(1+2\,\mathrm{Cos}[2\,\lambda 2])$$

$$\left.\mathrm{Sin}[\lambda 2]\right)\Big/\left(r\,r2\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}\right)\Bigg)+$$

$$(1+2\,\mathrm{Cos}[2\,\lambda])\,\mathrm{Sin}[\lambda]\left(\left(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}\left(-r^2-r2^2+\right.\right.\right.$$

$$\left.r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}+r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}\right)$$

$$\left.\mathrm{Cos}[\lambda 2]\,(-1+2\,\mathrm{Cos}[2\,\lambda 2])\right)\Big/\left(r\,r2\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}\right)-$$

$$\frac{1}{2\,r\,r2}\left(\left(2\left(r^2-2\,r\,r2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r2+r2^2}}\right.\right.$$

$$\left.\mathrm{EllipticE}\left[\frac{\theta 1}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Big/$$

$$\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}\right)-\left(2\left(r^2+r2^2\right)\right.$$

$$\left.\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r2+r2^2}}\,\mathrm{EllipticF}\left[\frac{\theta 1}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Big/$$

$$\left.\left.\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}\right)\right)\mathrm{Sin}[3\,\lambda 2]\right)\Bigg)+$$

$$\frac{1}{r^2-r2^2}\,32\,r^2\,r2\left(\mathrm{Cos}[\lambda]\,(-1+2\,\mathrm{Cos}[2\,\lambda])\left(-\frac{1}{2\,r\,r2}\,\mathrm{Cos}[3\,\lambda 2]\right.\right.$$

$$\left(\left(2\left(r^2-2\,r\,r2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r2+r2^2}}\,\mathrm{EllipticE}\right.\right.$$

$$\left.\left.\frac{\theta 1}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}\right)-$$

$$\left(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta1]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticF}\left[\frac{\theta1}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta1]}\right)\Bigg)+$$

$$\left(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta1]}{r^2+r2^2}}\left(-r^2-r2^2+r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta1]}{r^2+r2^2}}+r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta1]}{r^2+r2^2}}\right)(1+2\,\mathrm{Cos}[2\,\lambda2])\right.$$

$$\left.\mathrm{Sin}[\lambda2]\right)\Big/\left(r\,r2\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta1]}\right)\Bigg)-$$

$$(1+2\,\mathrm{Cos}[2\,\lambda])\,\mathrm{Sin}[\lambda]\left(\left(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta1]}{r^2+r2^2}}\left(-r^2-r2^2+r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta1]}{r^2+r2^2}}+r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta1]}{r^2+r2^2}}\right)\right.\right.$$

$$\left.\mathrm{Cos}[\lambda2]\,(-1+2\,\mathrm{Cos}[2\,\lambda2])\right)\Big/\left(r\,r2\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta1]}\right)+$$

$$\frac{1}{2\,r\,r2}\left(\left(2\left(r^2-2\,r\,r2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta1]}{r^2-2\,r\,r2+r2^2}}\right.\right.$$

$$\left.\mathrm{EllipticE}\left[\frac{\theta1}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Big/$$

$$\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta1]}\right)-\left(2\left(r^2+r2^2\right)\right.$$

$$\left.\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta1]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticF}\left[\frac{\theta1}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Big/$$

$$\left.\left.\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta1]}\right)\right)\mathrm{Sin}[3\,\lambda2]\right)\right)-$$

$$\frac{1}{r^2-r2^2}\,12\,r2^3\left(\mathrm{Cos}[\lambda]\,(-1+2\,\mathrm{Cos}[2\,\lambda])\left(-\frac{1}{2\,r\,r2}\,\mathrm{Cos}[3\,\lambda2]\right.\right.$$

$$\left(\left(2\left(r^2-2\,r\,r2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta1]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticE}\left[\frac{\theta1}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta1]}\right)-\left(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta1]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticF}\left[\frac{\theta1}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta1]}\right)\right)+\left(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta1]}{r^2+r2^2}}\left(-r^2-r2^2+r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta1]}{r^2+r2^2}}+r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta1]}{r^2+r2^2}}\right)(1+2\,\mathrm{Cos}[2\,\lambda2])\,\mathrm{Sin}[\lambda2]\right)\Big/\left(r\,r2\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta1]}\right)-(1+2\,\mathrm{Cos}[2\,\lambda])\,\mathrm{Sin}[\lambda]\left(\left(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta1]}{r^2+r2^2}}\left(-r^2-r2^2+r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta1]}{r^2+r2^2}}+r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta1]}{r^2+r2^2}}\right)\mathrm{Cos}[\lambda2]\,(-1+2\,\mathrm{Cos}[2\,\lambda2])\right)\Big/\left(r\,r2\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta1]}\right)+\frac{1}{2\,r\,r2}\left(\left(2\left(r^2-2\,r\,r2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta1]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticE}\left[\frac{\theta1}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta1]}\right)-\left(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta1]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticF}\left[\frac{\theta1}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Big/$$

$$\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}\right)\Big)\,\mathrm{Sin}[3\,\lambda 2]\Big)\Big)-$$

$$\frac{1}{r^2\left(r^2-r2^2\right)}\,8\,r2^5\Big(\mathrm{Cos}[\lambda]\,(-1+2\,\mathrm{Cos}[2\,\lambda])\Big(-\frac{1}{2\,r\,r2}\,\mathrm{Cos}[3\,\lambda 2]$$

$$\Big(\Big(2\left(r^2-2\,r\,r2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticE}\Big[$$

$$\frac{\theta 1}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\Big)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}\right)-$$

$$\Big(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticF}\Big[\frac{\theta 1}{2},$$

$$-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\Big)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}\right)\Big)+$$

$$\Big(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}\;\Big(-r^2-r2^2+r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}+$$

$$r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}\Big)\,(1+2\,\mathrm{Cos}[2\,\lambda 2])$$

$$\mathrm{Sin}[\lambda 2]\Big)\Big/\left(r\,r2\,\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}\right)\Big)-$$

$$(1+2\,\mathrm{Cos}[2\,\lambda])\,\mathrm{Sin}[\lambda]\,\Big(\Big(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}\;\Big(-r^2-r2^2+$$

$$r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}+r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}\Big)$$

$$\mathrm{Cos}[\lambda 2]\,(-1+2\,\mathrm{Cos}[2\,\lambda 2])\Big)\Big/\left(r\,r2\,\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}\right)+$$

$$\frac{1}{2\,r\,r2}\Big(\Big(2\left(r^2-2\,r\,r2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r2+r2^2}}$$

$$\mathrm{EllipticE}\Big[\frac{\theta 1}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\Big)\Big/$$

$$\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta1]}\right)-\left(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta1]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticF}\left[\frac{\theta1}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta1]}\right)\Bigg)\,\mathrm{Sin}[3\,\lambda2]\Bigg)\Bigg)+$$

$$\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}\;\Bigg(-\frac{1}{r^2-r1^2}\,32\,(2\,r1\,\mathrm{Cos}[3\,\lambda-3\,\lambda1]+r\,\mathrm{Cos}[\theta1+3\,\lambda-3\,\lambda1]+r\,\mathrm{Cos}[\theta1-3\,\lambda+3\,\lambda1]-2\,r1\,\mathrm{Cos}[3\,\lambda-3\,\lambda2]-r\,\mathrm{Cos}[\theta1+3\,\lambda-3\,\lambda2]-r\,\mathrm{Cos}[\theta1-3\,\lambda+3\,\lambda2])\,\mathrm{Csc}[\theta1]-$$

$$\Big(2\,\big(15\,r^2\,r1^3\,\mathrm{Sin}[\theta1+3\,\lambda-3\,\lambda1]+5\,r1^5\,\mathrm{Sin}[\theta1+3\,\lambda-3\,\lambda1]-3\,r^2\,r1^3\,\mathrm{Sin}[\theta1+\lambda-\lambda1]+15\,r1^5\,\mathrm{Sin}[\theta1+\lambda-\lambda1]-3\,r^2\,r1^3\,\mathrm{Sin}[\theta1-\lambda+\lambda1]+15\,r1^5\,\mathrm{Sin}[\theta1-\lambda+\lambda1]+15\,r^2\,r1^3\,\mathrm{Sin}[\theta1-3\,\lambda+3\,\lambda1]+5\,r1^5\,\mathrm{Sin}[\theta1-3\,\lambda+3\,\lambda1]-15\,r^2\,r1^3\,\mathrm{Sin}[\theta1+3\,\lambda-3\,\lambda2]-5\,r1^5\,\mathrm{Sin}[\theta1+3\,\lambda-3\,\lambda2]+3\,r^2\,r1^3\,\mathrm{Sin}[\theta1+\lambda-\lambda2]-15\,r1^5\,\mathrm{Sin}[\theta1+\lambda-\lambda2]+3\,r^2\,r1^3\,\mathrm{Sin}[\theta1-\lambda+\lambda2]-15\,r1^5\,\mathrm{Sin}[\theta1-\lambda+\lambda2]-15\,r^2\,r1^3\,\mathrm{Sin}[\theta1-3\,\lambda+3\,\lambda2]-5\,r1^5\,\mathrm{Sin}[\theta1-3\,\lambda+3\,\lambda2]\big)\Big)\Big/\left(r^2\left(r^2-r1^2\right)\left(-r^2-r1^2+2\,r\,r1\,\mathrm{Cos}[\theta1]\right)\right)-$$

$$\frac{1}{r^2\left(-r^2-r1^2+2\,r\,r1\,\mathrm{Cos}[\theta1]\right)^2}\,2\,\Big(r^2\,r1^3\,\mathrm{Sin}[\theta1+3\,\lambda-3\,\lambda1]-r1^5\,\mathrm{Sin}[\theta1+3\,\lambda-3\,\lambda1]+3\,r^2\,r1^3\,\mathrm{Sin}[\theta1+\lambda-\lambda1]-3\,r1^5\,\mathrm{Sin}[\theta1+\lambda-\lambda1]+3\,r^2\,r1^3\,\mathrm{Sin}[\theta1-\lambda+\lambda1]-3\,r1^5\,\mathrm{Sin}[\theta1-\lambda+\lambda1]+r^2\,r1^3\,\mathrm{Sin}[\theta1-3\,\lambda+3\,\lambda1]-r1^5\,\mathrm{Sin}[\theta1-3\,\lambda+3\,\lambda1]-r^2\,r1^3\,\mathrm{Sin}[\theta1+3\,\lambda-3\,\lambda2]+r1^5\,\mathrm{Sin}[\theta1+3\,\lambda-3\,\lambda2]-3\,r^2\,r1^3\,\mathrm{Sin}[\theta1+\lambda-\lambda2]+3\,r1^5\,\mathrm{Sin}[\theta1+\lambda-\lambda2]-3\,r^2\,r1^3\,\mathrm{Sin}[\theta1-\lambda+\lambda2]+3\,r1^5\,\mathrm{Sin}[\theta1-\lambda+\lambda2]-r^2\,r1^3\,\mathrm{Sin}[\theta1-3\,\lambda+3\,\lambda2]+r1^5\,\mathrm{Sin}[\theta1-3\,\lambda+3\,\lambda2]\Big)\Bigg)+$$

$$\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta1]}\;\Bigg(\frac{1}{r^2-r2^2}\,32\,(2\,r2\,\mathrm{Cos}[3\,\lambda-3\,\lambda1]+r\,\mathrm{Cos}[\theta1+3\,\lambda-3\,\lambda1]+r\,\mathrm{Cos}[\theta1-3\,\lambda+3\,\lambda1]-2\,r2\,\mathrm{Cos}[3\,\lambda-3\,\lambda2]-r\,\mathrm{Cos}[\theta1+3\,\lambda-3\,\lambda2]-r\,\mathrm{Cos}[\theta1-3\,\lambda+3\,\lambda2])\,\mathrm{Csc}[\theta1]+$$

$$\Big(2\,\big(15\,r^2\,r2^3\,\mathrm{Sin}[\theta1+3\,\lambda-3\,\lambda1]+5\,r2^5\,\mathrm{Sin}[\theta1+3\,\lambda-3\,\lambda1]-3\,r^2\,r2^3\,\mathrm{Sin}[\theta1+\lambda-\lambda1]+15\,r2^5\,\mathrm{Sin}[\theta1+\lambda-\lambda1]-3\,r^2\,r2^3\,\mathrm{Sin}[\theta1-\lambda+\lambda1]+15\,r2^5\,\mathrm{Sin}[\theta1-\lambda+\lambda1]+15\,r^2\,r2^3\,\mathrm{Sin}[\theta1-3\,\lambda+3\,\lambda1]+5\,r2^5\,\mathrm{Sin}[\theta1-3\,\lambda+3\,\lambda1]-15\,r^2\,r2^3\,\mathrm{Sin}[\theta1+3\,\lambda-3\,\lambda2]-5\,r2^5\,\mathrm{Sin}[\theta1+3\,\lambda-3\,\lambda2]+3\,r^2\,r2^3\,\mathrm{Sin}[\theta1+\lambda-\lambda2]-15\,r2^5\,\mathrm{Sin}[\theta1+\lambda-\lambda2]+3\,r^2\,r2^3\,\mathrm{Sin}[\theta1-\lambda+\lambda2]-15\,r2^5\,\mathrm{Sin}[\theta1-\lambda+\lambda2]-15\,r^2\,r2^3\,\mathrm{Sin}[\theta1-3\,\lambda+3\,\lambda2]-5\,r2^5\,\mathrm{Sin}[\theta1-3\,\lambda+3\,\lambda2]\big)\Big)\Big/$$

$$\left(r^2\left(r^2-r2^2\right)\left(-r^2-r2^2+2\,r\,r2\,\mathrm{Cos}[\theta1]\right)\right)+$$

$$\frac{1}{r^2\left(-r^2-r2^2+2\,r\,r2\,\mathrm{Cos}[\theta1]\right)^2}\,2$$

$$\left(r^2\,r2^3\,\mathrm{Sin}[\theta1+3\,\lambda-3\,\lambda1]-r2^5\,\mathrm{Sin}[\theta1+3\,\lambda-3\,\lambda1]+\right.$$
$$3\,r^2\,r2^3\,\mathrm{Sin}[\theta1+\lambda-\lambda1]-3\,r2^5\,\mathrm{Sin}[\theta1+\lambda-\lambda1]+$$
$$3\,r^2\,r2^3\,\mathrm{Sin}[\theta1-\lambda+\lambda1]-3\,r2^5\,\mathrm{Sin}[\theta1-\lambda+\lambda1]+$$
$$r^2\,r2^3\,\mathrm{Sin}[\theta1-3\,\lambda+3\,\lambda1]-r2^5\,\mathrm{Sin}[\theta1-3\,\lambda+3\,\lambda1]-$$
$$r^2\,r2^3\,\mathrm{Sin}[\theta1+3\,\lambda-3\,\lambda2]+r2^5\,\mathrm{Sin}[\theta1+3\,\lambda-3\,\lambda2]-$$
$$3\,r^2\,r2^3\,\mathrm{Sin}[\theta1+\lambda-\lambda2]+3\,r2^5\,\mathrm{Sin}[\theta1+\lambda-\lambda2]-$$
$$3\,r^2\,r2^3\,\mathrm{Sin}[\theta1-\lambda+\lambda2]+3\,r2^5\,\mathrm{Sin}[\theta1-\lambda+\lambda2]-$$
$$\left.\left.r^2\,r2^3\,\mathrm{Sin}[\theta1-3\,\lambda+3\,\lambda2]+r2^5\,\mathrm{Sin}[\theta1-3\,\lambda+3\,\lambda2]\right)\right)\Bigg)+$$

$$\frac{1}{96\,r}\Bigg(-\Bigg(\Bigg(64\,r\,r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta2]}{r^2-2\,r\,r1+r1^2}}\,\mathrm{Cos}[3\,\lambda-3\,\lambda1]$$

$$\mathrm{EllipticF}\left[\frac{\theta2}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\Bigg)\Big/$$

$$\left(\left(r^2-r1^2\right)\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta2]}\right)\Bigg)+$$

$$\Bigg(16\,r1^4\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta2]}{r^2-2\,r\,r1+r1^2}}\,\mathrm{Cos}[3\,\lambda-3\,\lambda1]$$

$$\mathrm{EllipticF}\left[\frac{\theta2}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\Bigg)\Big/$$

$$\left(r\left(r^2-r1^2\right)\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta2]}\right)+$$

$$\frac{48\,r1^4\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta2]}{r^2-2\,r\,r1+r1^2}}\,\mathrm{Cos}[\lambda-\lambda1]\,\mathrm{EllipticF}\left[\frac{\theta2}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]}{r\left(r^2-r1^2\right)\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta2]}}+$$

$$\Bigg(64\,r\,r1^2$$

$$\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta2]}{r^2-2\,r\,r1+r1^2}}$$

$$\mathrm{Cos}[3\,\lambda-3\,\lambda2]$$

$$\text{EllipticF}\left[\frac{\theta 2}{2}, -\frac{4\, r\, r1}{r^2 - 2\, r\, r1 + r1^2}\right]\Bigg) \Big/$$

$$\left(\left(r^2 - r1^2\right) \sqrt{r^2 + r1^2 - 2\, r\, r1 \,\text{Cos}[\theta 2]}\right) -$$

$$\Bigg(16\, r1^4 \sqrt{\frac{r^2 + r1^2 - 2\, r\, r1 \,\text{Cos}[\theta 2]}{r^2 - 2\, r\, r1 + r1^2}}$$

$$\text{Cos}[3\,\lambda - 3\,\lambda 2]$$

$$\text{EllipticF}\left[\frac{\theta 2}{2}, -\frac{4\, r\, r1}{r^2 - 2\, r\, r1 + r1^2}\right]\Bigg) \Big/$$

$$\left(r\left(r^2 - r1^2\right) \sqrt{r^2 + r1^2 - 2\, r\, r1 \,\text{Cos}[\theta 2]}\right) -$$

$$\frac{48\, r1^4 \sqrt{\frac{r^2+r1^2-2\, r\, r1 \,\text{Cos}[\theta 2]}{r^2-2\, r\, r1+r1^2}}\, \text{Cos}[\lambda - \lambda 2]\, \text{EllipticF}\left[\frac{\theta 2}{2}, -\frac{4\, r\, r1}{r^2-2\, r\, r1+r1^2}\right]}{r\left(r^2 - r1^2\right) \sqrt{r^2 + r1^2 - 2\, r\, r1 \,\text{Cos}[\theta 2]}} +$$

$$\Bigg(64\, r\, r2^2$$

$$\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2 \,\text{Cos}[\theta 2]}{r^2 - 2\, r\, r2 + r2^2}}$$

$$\text{Cos}[3\,\lambda - 3\,\lambda 1]$$

$$\text{EllipticF}\left[\frac{\theta 2}{2}, -\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\right]\Bigg) \Big/$$

$$\left(\left(r^2 - r2^2\right) \sqrt{r^2 + r2^2 - 2\, r\, r2 \,\text{Cos}[\theta 2]}\right) -$$

$$\Bigg(16\, r2^4 \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2 \,\text{Cos}[\theta 2]}{r^2 - 2\, r\, r2 + r2^2}}$$

$$\text{Cos}[3\,\lambda - 3\,\lambda 1]$$

$$\text{EllipticF}\left[\frac{\theta 2}{2}, -\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\right]\Bigg) \Big/$$

$$\left(r\left(r^2 - r2^2\right) \sqrt{r^2 + r2^2 - 2\, r\, r2 \,\text{Cos}[\theta 2]}\right) -$$

$$\frac{48\, r2^4 \sqrt{\frac{r^2+r2^2-2\, r\, r2 \,\text{Cos}[\theta 2]}{r^2-2\, r\, r2+r2^2}}\, \text{Cos}[\lambda - \lambda 1]\, \text{EllipticF}\left[\frac{\theta 2}{2}, -\frac{4\, r\, r2}{r^2-2\, r\, r2+r2^2}\right]}{r\left(r^2 - r2^2\right) \sqrt{r^2 + r2^2 - 2\, r\, r2 \,\text{Cos}[\theta 2]}} -$$

$$\Bigg(64\, r\, r2^2$$

$$\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r2+r2^2}}$$

$$\mathrm{Cos}[3\,\lambda-3\,\lambda 2]$$

$$\mathrm{EllipticF}\left[\frac{\theta 2}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\Bigg)\Bigg/$$

$$\left(\left(r^2-r2^2\right)\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}\right)+$$

$$\Bigg(16\,r2^4\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r2+r2^2}}$$

$$\mathrm{Cos}[3\,\lambda-3\,\lambda 2]$$

$$\mathrm{EllipticF}\left[\frac{\theta 2}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\Bigg)\Bigg/$$

$$\left(r\left(r^2-r2^2\right)\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}\right)+$$

$$\frac{48\,r2^4\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r2+r2^2}}\,\mathrm{Cos}[\lambda-\lambda 2]\,\mathrm{EllipticF}\left[\frac{\theta 2}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]}{r\left(r^2-r2^2\right)\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}}+$$

$$\frac{1}{r^2-r1^2}$$

$$12$$

$$r1^3$$

$$\Bigg(\mathrm{Cos}[\lambda]\Bigg(-\frac{1}{2\,r\,r1}\,\mathrm{Cos}[\lambda 1]$$

$$\Bigg(\Bigg(2\left(r^2-2\,r\,r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r1+r1^2}}\,\mathrm{EllipticE}\Big[$$

$$\frac{\theta 2}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Bigg)\Bigg/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\right)-$$

$$\Bigg(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r1+r1^2}}\,\mathrm{EllipticF}\Big[\frac{\theta 2}{2},$$

$$-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Bigg)\Bigg/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\right)\Bigg)-$$

$$\Bigg(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}\Bigg(-r^2-r1^2+r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}+$$

$$r1^2 \sqrt{\frac{r^2 + r1^2 - 2\, r\, r1 \operatorname{Cos}[\theta 2]}{r^2 + r1^2}}\Bigg)$$

$$\operatorname{Sin}[\lambda 1]\Bigg) \Big/ \left(r\, r1 \sqrt{r^2 + r1^2 - 2\, r\, r1 \operatorname{Cos}[\theta 2]}\right)\Bigg) +$$

$$\operatorname{Sin}[\lambda] \Bigg(\Bigg(\sqrt{\frac{r^2 + r1^2 - 2\, r\, r1 \operatorname{Cos}[\theta 2]}{r^2 + r1^2}} \Bigg(-r^2 - r1^2 + r^2$$

$$\sqrt{\frac{r^2 + r1^2 - 2\, r\, r1 \operatorname{Cos}[\theta 2]}{r^2 + r1^2}} + r1^2 \sqrt{\frac{r^2 + r1^2 - 2\, r\, r1 \operatorname{Cos}[\theta 2]}{r^2 + r1^2}}\Bigg)$$

$$\operatorname{Cos}[\lambda 1]\Bigg) \Big/ \left(r\, r1 \sqrt{r^2 + r1^2 - 2\, r\, r1 \operatorname{Cos}[\theta 2]}\right) -$$

$$\frac{1}{2\, r\, r1} \Bigg(\Bigg(2 \left(r^2 - 2\, r\, r1 + r1^2\right) \sqrt{\frac{r^2 + r1^2 - 2\, r\, r1 \operatorname{Cos}[\theta 2]}{r^2 - 2\, r\, r1 + r1^2}} \operatorname{EllipticE}\Big[$$

$$\frac{\theta 2}{2}, -\frac{4\, r\, r1}{r^2 - 2\, r\, r1 + r1^2}\Big]\Bigg) \Big/ \left(\sqrt{r^2 + r1^2 - 2\, r\, r1 \operatorname{Cos}[\theta 2]}\right) -$$

$$\Bigg(2 \left(r^2 + r1^2\right) \sqrt{\frac{r^2 + r1^2 - 2\, r\, r1 \operatorname{Cos}[\theta 2]}{r^2 - 2\, r\, r1 + r1^2}} \operatorname{EllipticF}\Big[\frac{\theta 2}{2},$$

$$-\frac{4\, r\, r1}{r^2 - 2\, r\, r1 + r1^2}\Big]\Bigg) \Big/ \left(\sqrt{r^2 + r1^2 - 2\, r\, r1 \operatorname{Cos}[\theta 2]}\right)\Bigg) \operatorname{Sin}[\lambda 1]\Bigg)\Bigg) -$$

$$\frac{1}{r^2 \left(r^2 - r1^2\right)} 24\, r1^5 \Bigg(\operatorname{Cos}[\lambda] \Bigg(-\frac{1}{2\, r\, r1} \operatorname{Cos}[\lambda 1] \Bigg(\Bigg(2 \left(r^2 - 2\, r\, r1 + r1^2\right)$$

$$\sqrt{\frac{r^2 + r1^2 - 2\, r\, r1 \operatorname{Cos}[\theta 2]}{r^2 - 2\, r\, r1 + r1^2}} \operatorname{EllipticE}\Big[\frac{\theta 2}{2},$$

$$-\frac{4\, r\, r1}{r^2 - 2\, r\, r1 + r1^2}\Big]\Bigg) \Big/ \left(\sqrt{r^2 + r1^2 - 2\, r\, r1 \operatorname{Cos}[\theta 2]}\right) -$$

$$\Bigg(2 \left(r^2 + r1^2\right) \sqrt{\frac{r^2 + r1^2 - 2\, r\, r1 \operatorname{Cos}[\theta 2]}{r^2 - 2\, r\, r1 + r1^2}} \operatorname{EllipticF}\Big[\frac{\theta 2}{2},$$

$$-\frac{4\, r\, r1}{r^2 - 2\, r\, r1 + r1^2}\Big]\Bigg) \Big/ \left(\sqrt{r^2 + r1^2 - 2\, r\, r1 \operatorname{Cos}[\theta 2]}\right)\Bigg) -$$

$$\left(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}\left(-r^2-r1^2+r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}+r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}\right)\right.$$

$$\left.\mathrm{Sin}[\lambda 1]\right)\Big/\left(r\,r1\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\right)\Bigg)+$$

$$\mathrm{Sin}[\lambda]\left(\left(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}\left(-r^2-r1^2+r^2\right.\right.\right.$$

$$\left.\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}+r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}\right)$$

$$\left.\mathrm{Cos}[\lambda 1]\right)\Big/\left(r\,r1\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\right)-$$

$$\frac{1}{2\,r\,r1}\left(\left(2\left(r^2-2\,r\,r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r1+r1^2}}\,\mathrm{EllipticE}\left[\frac{\theta 2}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\right)-\right.$$

$$\left(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r1+r1^2}}\,\mathrm{EllipticF}\left[\frac{\theta 2}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\right)\Bigg)\,\mathrm{Sin}[\lambda 1]\Bigg)\Bigg)+$$

$$\frac{1}{r^2-r1^2}\,12\,r1^3\left(\mathrm{Cos}[\lambda]\left(-\frac{1}{2\,r\,r1}\,\mathrm{Cos}[\lambda 1]\left(\left(2\left(r^2-2\,r\,r1+r1^2\right)\right.\right.\right.\right.$$

$$\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r1+r1^2}}\,\mathrm{EllipticE}\left[\frac{\theta 2}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\Big)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\right)-$$

$$\left(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r1+r1^2}}\,\mathrm{EllipticF}\left[\frac{\theta 2}{2},\right.\right.$$

$$-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Big)\Big/\Big(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\Big)\Big)+$$

$$\Big(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}\,\Big(-r^2-r1^2+r^2\,\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}+$$

$$r1^2\,\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}\Big)$$

$$\mathrm{Sin}[\lambda 1]\Big)\Big/\Big(r\,r1\,\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\Big)\Big)-$$

$$\mathrm{Sin}[\lambda]\,\Big(\Big(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}\,\Big(-r^2-r1^2+r^2$$

$$\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}+r1^2\,\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}\Big)$$

$$\mathrm{Cos}[\lambda 1]\Big)\Big/\Big(r\,r1\,\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\Big)+$$

$$\frac{1}{2\,r\,r1}\,\Big(\Big(2\,\big(r^2-2\,r\,r1+r1^2\big)\,\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r1+r1^2}}\,\mathrm{EllipticE}\Big[$$

$$\frac{\theta 2}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Big)\Big/\Big(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\Big)-$$

$$\Big(2\,\big(r^2+r1^2\big)\,\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r1+r1^2}}\,\mathrm{EllipticF}\Big[\frac{\theta 2}{2},$$

$$-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Big)\Big/\Big(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\Big)\Big)\,\mathrm{Sin}[\lambda 1]\Big)\Big)-$$

$$\frac{1}{r^2\,\big(r^2-r1^2\big)}\,24\,r1^5\,\Big(\mathrm{Cos}[\lambda]\,\Big(-\frac{1}{2\,r\,r1}\,\mathrm{Cos}[\lambda 1]\,\Big(\Big(2\,\big(r^2-2\,r\,r1+r1^2\big)$$

$$\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r1+r1^2}}\,\mathrm{EllipticE}\Big[\frac{\theta 2}{2},$$

$$-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Big)\Big/\Big(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\Big)-$$

$$\left(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticF}\left[\frac{\theta 2}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\right)\Bigg)+$$

$$\left(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}\left(-r^2-r1^2+r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}+r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}\right)\mathrm{Sin}[\lambda 1]\right)\Big/\left(r\,r1\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\right)\Bigg)-$$

$$\mathrm{Sin}[\lambda]\left(\left(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}\left(-r^2-r1^2+r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}+r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}\right)\mathrm{Cos}[\lambda 1]\right)\Big/\left(r\,r1\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\right)+\right.$$

$$\frac{1}{2\,r\,r1}\left(\left(2\left(r^2-2\,r\,r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticE}\left[\frac{\theta 2}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\right)-\right.$$

$$\left.\left(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticF}\left[\frac{\theta 2}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\right)\mathrm{Sin}[\lambda 1]\right)\Bigg)-$$

$$\frac{1}{r^2-r2^2}\,12\,r2^3\left(\mathrm{Cos}[\lambda]\left(-\frac{1}{2\,r\,r2}\,\mathrm{Cos}[\lambda 1]\left(\left(2\left(r^2-2\,r\,r2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticE}\left[\frac{\theta 2}{2},\right.\right.\right.\right.$$

$$-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\Big)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}\right)-$$

$$\left(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticF}\Big[\frac{\theta 2}{2},\right.$$

$$\left.-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}\right)\Bigg)-$$

$$\left(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2+r2^2}}\left(-r^2-r2^2+r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2+r2^2}}+\right.\right.$$

$$\left.r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2+r2^2}}\right)$$

$$\mathrm{Sin}[\lambda 1]\Bigg)\Big/\left(r\,r2\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}\right)\Bigg)+$$

$$\mathrm{Sin}[\lambda]\left(\left(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2+r2^2}}\left(-r^2-r2^2+r^2\right.\right.\right.$$

$$\left.\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2+r2^2}}+r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2+r2^2}}\right)$$

$$\mathrm{Cos}[\lambda 1]\Bigg)\Big/\left(r\,r2\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}\right)-$$

$$\frac{1}{2\,r\,r2}\left(\left(2\left(r^2-2\,r\,r2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticE}\Big[\right.\right.$$

$$\left.\frac{\theta 2}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}\right)-$$

$$\left(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticF}\Big[\frac{\theta 2}{2},\right.$$

$$\left.\left.-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}\right)\right)\mathrm{Sin}[\lambda 1]\Bigg)\Bigg)+$$

$$\frac{1}{r^2\left(r^2-r2^2\right)}\,24\,r2^5\left(\mathrm{Cos}[\lambda]\left(-\frac{1}{2\,r\,r2}\,\mathrm{Cos}[\lambda 1]\left(\left(2\left(r^2-2\,r\,r2+r2^2\right)\right.\right.\right.\right.$$

$$\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 2]}{r^2-2\,r\,r2+r2^2}}\ \text{EllipticE}\Big[\frac{\theta 2}{2},$$

$$-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\Big)\Big/\Big(\sqrt{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 2]}\Big)-$$

$$\Bigg(2\,(r^2+r2^2)\,\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 2]}{r^2-2\,r\,r2+r2^2}}\ \text{EllipticF}\Big[\frac{\theta 2}{2},$$

$$-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\Bigg)\Big/\Big(\sqrt{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 2]}\Big)\Bigg)-$$

$$\Bigg(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 2]}{r^2+r2^2}}\ \Bigg(-r^2-r2^2+r^2\,\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 2]}{r^2+r2^2}}+$$

$$r2^2\,\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 2]}{r^2+r2^2}}\Bigg)$$

$$\text{Sin}[\lambda 1]\Bigg)\Big/\Big(r\,r2\,\sqrt{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 2]}\Big)\Bigg)+$$

$$\text{Sin}[\lambda]\Bigg(\Bigg(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 2]}{r^2+r2^2}}\ \Bigg(-r^2-r2^2+r^2$$

$$\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 2]}{r^2+r2^2}}+r2^2\,\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 2]}{r^2+r2^2}}\Bigg)$$

$$\text{Cos}[\lambda 1]\Bigg)\Big/\Big(r\,r2\,\sqrt{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 2]}\Big)-$$

$$\frac{1}{2\,r\,r2}\Bigg(\Bigg(2\,(r^2-2\,r\,r2+r2^2)\,\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 2]}{r^2-2\,r\,r2+r2^2}}\ \text{EllipticE}\Big[$$

$$\frac{\theta 2}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\Bigg)\Big/\Big(\sqrt{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 2]}\Big)-$$

$$\Bigg(2\,(r^2+r2^2)\,\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 2]}{r^2-2\,r\,r2+r2^2}}\ \text{EllipticF}\Big[\frac{\theta 2}{2},$$

$$-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\Bigg)\Big/\Big(\sqrt{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 2]}\Big)\Bigg)\ \text{Sin}[\lambda 1]\Bigg)\Bigg)-$$

$$\frac{1}{r^2 - r2^2}\, 12\, r2^3 \left(\mathrm{Cos}[\lambda] \left(-\frac{1}{2\, r\, r2}\, \mathrm{Cos}[\lambda 1] \left(\left(2\left(r^2 - 2\, r\, r2 + r2^2\right)\right.\right.\right.\right.$$

$$\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}{r^2 - 2\, r\, r2 + r2^2}}\ \mathrm{EllipticE}\left[\frac{\theta 2}{2},\right.$$

$$\left.\left.-\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\right]\right) \Big/ \left(\sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}\right) -$$

$$\left(2\left(r^2 + r2^2\right) \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}{r^2 - 2\, r\, r2 + r2^2}}\ \mathrm{EllipticF}\left[\frac{\theta 2}{2},\right.\right.$$

$$\left.\left.\left.-\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\right]\right) \Big/ \left(\sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}\right)\right) +$$

$$\left(\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}{r^2 + r2^2}} \left(-r^2 - r2^2 + r^2 \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}{r^2 + r2^2}} +\right.\right.$$

$$\left.r2^2 \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}{r^2 + r2^2}}\right)$$

$$\left.\mathrm{Sin}[\lambda 1]\right) \Big/ \left(r\, r2 \sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}\right)\Bigg) -$$

$$\mathrm{Sin}[\lambda] \left(\left(\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}{r^2 + r2^2}} \left(-r^2 - r2^2 + r^2\right.\right.\right.$$

$$\left.\left.\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}{r^2 + r2^2}} + r2^2 \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}{r^2 + r2^2}}\right)$$

$$\left.\mathrm{Cos}[\lambda 1]\right) \Big/ \left(r\, r2 \sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}\right) +$$

$$\frac{1}{2\, r\, r2} \left(\left(2\left(r^2 - 2\, r\, r2 + r2^2\right) \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}{r^2 - 2\, r\, r2 + r2^2}}\ \mathrm{EllipticE}\left[\right.\right.\right.$$

$$\left.\left.\frac{\theta 2}{2}, -\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\right]\right) \Big/ \left(\sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}\right) -$$

$$\left(2\left(r^2 + r2^2\right) \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}{r^2 - 2\, r\, r2 + r2^2}}\ \mathrm{EllipticF}\left[\frac{\theta 2}{2},\right.\right.$$

$$-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\Big)\Big/\Big(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}\Big)\Big)\,\mathrm{Sin}[\lambda 1]\Big)\Big)+$$

$$\frac{1}{r^2\left(r^2-r2^2\right)}\,24\,r2^5\Big(\mathrm{Cos}[\lambda]\Big(-\frac{1}{2\,r\,r2}\,\mathrm{Cos}[\lambda 1]\Big(\Big(2\left(r^2-2\,r\,r2+r2^2\right)$$

$$\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticE}\Big[\frac{\theta 2}{2},$$

$$-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\Big)\Big/\Big(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}\Big)-$$

$$\Big(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticF}\Big[\frac{\theta 2}{2},$$

$$-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\Big)\Big/\Big(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}\Big)\Big)+$$

$$\Big(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2+r2^2}}\;\Big(-r^2-r2^2+r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2+r2^2}}+$$

$$r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2+r2^2}}\Big)$$

$$\mathrm{Sin}[\lambda 1]\Big)\Big/\Big(r\,r2\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}\Big)\Big)-$$

$$\mathrm{Sin}[\lambda]\Big(\Big(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2+r2^2}}\;\Big(-r^2-r2^2+r^2$$

$$\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2+r2^2}}+r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2+r2^2}}\Big)$$

$$\mathrm{Cos}[\lambda 1]\Big)\Big/\Big(r\,r2\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}\Big)+$$

$$\frac{1}{2\,r\,r2}\Big(\Big(2\left(r^2-2\,r\,r2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticE}\Big[$$

$$\frac{\theta 2}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\Big)\Big/\Big(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}\Big)-$$

$$\left(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticF}\left[\frac{\theta 2}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}\right)\right)\mathrm{Sin}[\lambda 1]\Bigg)\Bigg)+$$

$$\frac{1}{r^2-r1^2}\,32\,r^2\,r1\left(\mathrm{Cos}[\lambda]\,(-1+2\,\mathrm{Cos}[2\,\lambda])\left(-\frac{1}{2\,r\,r1}\,\mathrm{Cos}[3\,\lambda 1]\right.\right.$$

$$\left(\left(2\left(r^2-2\,r\,r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticE}\left[\frac{\theta 2}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\right)-\right.$$

$$\left(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticF}\left[\frac{\theta 2}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\right)-$$

$$\left(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}\left(-r^2-r1^2+r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}+\right.\right.$$

$$\left.r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}\right)(1+2\,\mathrm{Cos}[2\,\lambda 1])$$

$$\left.\mathrm{Sin}[\lambda 1]\right)\Big/\left(r\,r1\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\right)\Bigg)+$$

$$(1+2\,\mathrm{Cos}[2\,\lambda])\,\mathrm{Sin}[\lambda]\left(\left(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}\left(-r^2-r1^2+\right.\right.\right.$$

$$\left.r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}+r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}\right)$$

$$\left.\mathrm{Cos}[\lambda 1]\,(-1+2\,\mathrm{Cos}[2\,\lambda 1])\right)\Big/\left(r\,r1\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\right)-$$

$$\frac{1}{2\,r\,r1}\left(\left(2\left(r^2-2\,r\,r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r1+r1^2}}\right.\right.$$

$$\text{EllipticE}\left[\frac{\theta 2}{2}, -\frac{4\, r\, r1}{r^2 - 2\, r\, r1 + r1^2}\right]\Bigg)\Bigg/$$

$$\left(\sqrt{r^2 + r1^2 - 2\, r\, r1\, \text{Cos}[\theta 2]}\right) - \Bigg(2\left(r^2 + r1^2\right)$$

$$\sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \text{Cos}[\theta 2]}{r^2 - 2\, r\, r1 + r1^2}}\ \text{EllipticF}\left[\frac{\theta 2}{2}, -\frac{4\, r\, r1}{r^2 - 2\, r\, r1 + r1^2}\right]\Bigg)\Bigg/$$

$$\left(\sqrt{r^2 + r1^2 - 2\, r\, r1\, \text{Cos}[\theta 2]}\right)\Bigg)\ \text{Sin}[3\,\lambda 1]\Bigg)\Bigg) -$$

$$\frac{1}{r^2 - r1^2}\ 12\, r1^3 \Bigg(\text{Cos}[\lambda]\ (-1 + 2\,\text{Cos}[2\,\lambda])\ \Bigg(-\frac{1}{2\, r\, r1}\ \text{Cos}[3\,\lambda 1]$$

$$\Bigg(\Bigg(2\left(r^2 - 2\, r\, r1 + r1^2\right)\sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \text{Cos}[\theta 2]}{r^2 - 2\, r\, r1 + r1^2}}\ \text{EllipticE}\Big[$$

$$\frac{\theta 2}{2}, -\frac{4\, r\, r1}{r^2 - 2\, r\, r1 + r1^2}\Big]\Bigg)\Big/\left(\sqrt{r^2 + r1^2 - 2\, r\, r1\, \text{Cos}[\theta 2]}\right) -$$

$$\Bigg(2\left(r^2 + r1^2\right)\sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \text{Cos}[\theta 2]}{r^2 - 2\, r\, r1 + r1^2}}\ \text{EllipticF}\Big[\frac{\theta 2}{2},$$

$$-\frac{4\, r\, r1}{r^2 - 2\, r\, r1 + r1^2}\Big]\Bigg)\Big/\left(\sqrt{r^2 + r1^2 - 2\, r\, r1\, \text{Cos}[\theta 2]}\right)\Bigg) -$$

$$\Bigg(\sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \text{Cos}[\theta 2]}{r^2 + r1^2}}\ \Bigg(-r^2 - r1^2 + r^2\sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \text{Cos}[\theta 2]}{r^2 + r1^2}} +$$

$$r1^2\sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \text{Cos}[\theta 2]}{r^2 + r1^2}}\Bigg)\ (1 + 2\,\text{Cos}[2\,\lambda 1])$$

$$\text{Sin}[\lambda 1]\Bigg)\Big/\left(r\, r1\sqrt{r^2 + r1^2 - 2\, r\, r1\, \text{Cos}[\theta 2]}\right)\Bigg) +$$

$$(1 + 2\,\text{Cos}[2\,\lambda])\ \text{Sin}[\lambda]\ \Bigg(\Bigg(\sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \text{Cos}[\theta 2]}{r^2 + r1^2}}\ \Bigg(-r^2 - r1^2 +$$

$$r^2\sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \text{Cos}[\theta 2]}{r^2 + r1^2}} + r1^2\sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \text{Cos}[\theta 2]}{r^2 + r1^2}}\Bigg)$$

$$\text{Cos}[\lambda 1]\ (-1+2\,\text{Cos}[2\,\lambda 1])\Big)\Big/\Big(r\ r1\ \sqrt{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 2]}\Big)-$$

$$\frac{1}{2\,r\,r1}\Bigg(\Bigg(2\left(r^2-2\,r\,r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 2]}{r^2-2\,r\,r1+r1^2}}$$

$$\text{EllipticE}\Big[\frac{\theta 2}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Bigg)\Big/$$

$$\Big(\sqrt{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 2]}\Big)-\Bigg(2\left(r^2+r1^2\right)$$

$$\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 2]}{r^2-2\,r\,r1+r1^2}}\ \text{EllipticF}\Big[\frac{\theta 2}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Bigg)\Big/$$

$$\Big(\sqrt{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 2]}\Big)\Bigg)\ \text{Sin}[3\,\lambda 1]\Bigg)\Bigg)-$$

$$\frac{1}{r^2\left(r^2-r1^2\right)}\ 8\,r1^5\Bigg(\text{Cos}[\lambda]\ (-1+2\,\text{Cos}[2\,\lambda])\ \Bigg(-\frac{1}{2\,r\,r1}\ \text{Cos}[3\,\lambda 1]$$

$$\Bigg(\Bigg(2\left(r^2-2\,r\,r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 2]}{r^2-2\,r\,r1+r1^2}}\ \text{EllipticE}\Big[$$

$$\frac{\theta 2}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Bigg)\Big/\Big(\sqrt{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 2]}\Big)-$$

$$\Bigg(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 2]}{r^2-2\,r\,r1+r1^2}}\ \text{EllipticF}\Big[\frac{\theta 2}{2},$$

$$-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Bigg)\Big/\Big(\sqrt{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 2]}\Big)\Bigg)-$$

$$\Bigg(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 2]}{r^2+r1^2}}\ \Bigg(-r^2-r1^2+r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 2]}{r^2+r1^2}}+$$

$$r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 2]}{r^2+r1^2}}\Bigg)\ (1+2\,\text{Cos}[2\,\lambda 1])$$

$$\text{Sin}[\lambda 1]\Bigg)\Big/\Big(r\ r1\ \sqrt{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 2]}\Big)\Bigg)+$$

$$(1+2\,\mathrm{Cos}[2\,\lambda])\,\mathrm{Sin}[\lambda]\,\Bigg(\Bigg(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}\,\Bigg(-r^2-r1^2+$$

$$r^2\,\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}+r1^2\,\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}\Bigg)$$

$$\mathrm{Cos}[\lambda 1]\,(-1+2\,\mathrm{Cos}[2\,\lambda 1])\Bigg)\Big/\Big(r\,r1\,\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\Big)-$$

$$\frac{1}{2\,r\,r1}\,\Bigg(\Bigg(2\,(r^2-2\,r\,r1+r1^2)\,\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r1+r1^2}}$$

$$\mathrm{EllipticE}\Big[\frac{\theta 2}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Bigg)\Big/$$

$$\Big(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\Big)-\Bigg(2\,(r^2+r1^2)$$

$$\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticF}\Big[\frac{\theta 2}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Bigg)\Big/$$

$$\Big(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\Big)\Bigg)\,\mathrm{Sin}[3\,\lambda 1]\Bigg)\Bigg)+$$

$$\frac{1}{r^2-r1^2}\,32\,r^2\,r1\,\Bigg(\mathrm{Cos}[\lambda]\,(-1+2\,\mathrm{Cos}[2\,\lambda])\,\Bigg(-\frac{1}{2\,r\,r1}\,\mathrm{Cos}[3\,\lambda 1]$$

$$\Bigg(\Bigg(2\,(r^2-2\,r\,r1+r1^2)\,\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticE}\Big[$$

$$\frac{\theta 2}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Bigg)\Big/\Big(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\Big)-$$

$$\Bigg(2\,(r^2+r1^2)\,\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticF}\Big[\frac{\theta 2}{2},$$

$$-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Bigg)\Big/\Big(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\Big)\Bigg)+$$

$$\Bigg(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}\,\Bigg(-r^2-r1^2+r^2\,\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}+$$

$$r1^2 \sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 2]}{r^2 + r1^2}}\Bigg) (1 + 2\, \mathrm{Cos}[2\, \lambda 1])$$

$$\mathrm{Sin}[\lambda 1]\Bigg) \Big/ \left(r\, r1\, \sqrt{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 2]}\right)\Bigg) -$$

$$(1 + 2\, \mathrm{Cos}[2\, \lambda])\, \mathrm{Sin}[\lambda]\, \Bigg(\Bigg(\sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 2]}{r^2 + r1^2}}\, \Bigg(-r^2 - r1^2 +$$

$$r^2 \sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 2]}{r^2 + r1^2}} + r1^2 \sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 2]}{r^2 + r1^2}}\Bigg)$$

$$\mathrm{Cos}[\lambda 1]\, (-1 + 2\, \mathrm{Cos}[2\, \lambda 1])\Bigg) \Big/ \left(r\, r1\, \sqrt{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 2]}\right) +$$

$$\frac{1}{2\, r\, r1}\, \Bigg(\Bigg(2\, \left(r^2 - 2\, r\, r1 + r1^2\right) \sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 2]}{r^2 - 2\, r\, r1 + r1^2}}$$

$$\mathrm{EllipticE}\left[\frac{\theta 2}{2}, -\frac{4\, r\, r1}{r^2 - 2\, r\, r1 + r1^2}\right]\Bigg) \Big/$$

$$\left(\sqrt{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 2]}\right) - \Bigg(2\, \left(r^2 + r1^2\right)$$

$$\sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 2]}{r^2 - 2\, r\, r1 + r1^2}}\, \mathrm{EllipticF}\left[\frac{\theta 2}{2}, -\frac{4\, r\, r1}{r^2 - 2\, r\, r1 + r1^2}\right]\Bigg) \Big/$$

$$\left(\sqrt{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 2]}\right)\Bigg)\, \mathrm{Sin}[3\, \lambda 1]\Bigg)\Bigg) -$$

$$\frac{1}{r^2 - r1^2}\, 12\, r1^3 \Bigg(\mathrm{Cos}[\lambda]\, (-1 + 2\, \mathrm{Cos}[2\, \lambda])\, \Bigg(-\frac{1}{2\, r\, r1}\, \mathrm{Cos}[3\, \lambda 1]$$

$$\Bigg(\Bigg(2\, \left(r^2 - 2\, r\, r1 + r1^2\right) \sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 2]}{r^2 - 2\, r\, r1 + r1^2}}\, \mathrm{EllipticE}\Big[$$

$$\frac{\theta 2}{2}, -\frac{4\, r\, r1}{r^2 - 2\, r\, r1 + r1^2}\Big]\Bigg) \Big/ \left(\sqrt{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 2]}\right) -$$

$$\Bigg(2\, \left(r^2 + r1^2\right) \sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 2]}{r^2 - 2\, r\, r1 + r1^2}}\, \mathrm{EllipticF}\Big[\frac{\theta 2}{2},$$

$$-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Big)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\right)\Big)+$$

$$\left(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}\left(-r^2-r1^2+r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}+\right.\right.$$

$$\left.r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}\right)(1+2\,\mathrm{Cos}[2\,\lambda 1])$$

$$\left.\mathrm{Sin}[\lambda 1]\right)\Big/\left(r\,r1\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\right)\Big)-$$

$$(1+2\,\mathrm{Cos}[2\,\lambda])\,\mathrm{Sin}[\lambda]\left(\left(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}\left(-r^2-r1^2+\right.\right.\right.$$

$$\left.r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}+r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}\right)$$

$$\left.\mathrm{Cos}[\lambda 1]\,(-1+2\,\mathrm{Cos}[2\,\lambda 1])\right)\Big/\left(r\,r1\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\right)+$$

$$\frac{1}{2\,r\,r1}\left(\left(2\left(r^2-2\,r\,r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r1+r1^2}}\right.\right.$$

$$\left.\mathrm{EllipticE}\left[\frac{\theta 2}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\right)\Big/$$

$$\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\right)-\left(2\left(r^2+r1^2\right)\right.$$

$$\left.\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r1+r1^2}}\,\mathrm{EllipticF}\left[\frac{\theta 2}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\right)\Big/$$

$$\left.\left.\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\right)\right)\mathrm{Sin}[3\,\lambda 1]\right)\right)-$$

$$\frac{1}{r^2\left(r^2-r1^2\right)}\,8\,r1^5\left(\mathrm{Cos}[\lambda]\,(-1+2\,\mathrm{Cos}[2\,\lambda])\left(-\frac{1}{2\,r\,r1}\,\mathrm{Cos}[3\,\lambda 1]\right.\right.$$

$$\left.\left(\left(2\left(r^2-2\,r\,r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r1+r1^2}}\,\mathrm{EllipticE}\right[\right.\right.$$

$$\frac{\theta 2}{2}, -\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Big)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\right)-$$

$$\left(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticF}\Big[\frac{\theta 2}{2},\right.$$

$$\left.-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\right)+$$

$$\left(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}\left(-r^2-r1^2+r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}+\right.\right.$$

$$\left.r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}\right)(1+2\,\mathrm{Cos}[2\,\lambda 1])$$

$$\left.\mathrm{Sin}[\lambda 1]\right)\Big/\left(r\,r1\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\right)\Bigg)-$$

$$(1+2\,\mathrm{Cos}[2\,\lambda])\,\mathrm{Sin}[\lambda]\left(\left(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}\left(-r^2-r1^2+\right.\right.\right.$$

$$\left.r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}+r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}\right)$$

$$\left.\mathrm{Cos}[\lambda 1]\,(-1+2\,\mathrm{Cos}[2\,\lambda 1])\right)\Big/\left(r\,r1\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\right)+$$

$$\frac{1}{2\,r\,r1}\left(\left(2\left(r^2-2\,r\,r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r1+r1^2}}\right.\right.$$

$$\left.\mathrm{EllipticE}\Big[\frac{\theta 2}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\right)\Big/$$

$$\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\right)-\left(2\left(r^2+r1^2\right)\right.$$

$$\left.\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticF}\Big[\frac{\theta 2}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\right)\Big/$$

$$\left.\left.\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\right)\right)\mathrm{Sin}[3\,\lambda 1]\right)\Bigg)-$$

$$\frac{1}{r^2 - r2^2}\, 32\, r^2\, r2 \Bigg(\mathrm{Cos}[\lambda]\,(-1 + 2\,\mathrm{Cos}[2\,\lambda])\,\Bigg(-\frac{1}{2\,r\,r2}\,\mathrm{Cos}[3\,\lambda 1]$$

$$\Bigg(\Bigg(2\,(r^2 - 2\,r\,r2 + r2^2)\,\sqrt{\frac{r^2 + r2^2 - 2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2 - 2\,r\,r2 + r2^2}}\;\mathrm{EllipticE}\Big[$$

$$\frac{\theta 2}{2},\, -\frac{4\,r\,r2}{r^2 - 2\,r\,r2 + r2^2}\Big]\Bigg)\Big/\Big(\sqrt{r^2 + r2^2 - 2\,r\,r2\,\mathrm{Cos}[\theta 2]}\Big) -$$

$$\Bigg(2\,(r^2 + r2^2)\,\sqrt{\frac{r^2 + r2^2 - 2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2 - 2\,r\,r2 + r2^2}}\;\mathrm{EllipticF}\Big[\frac{\theta 2}{2},$$

$$-\frac{4\,r\,r2}{r^2 - 2\,r\,r2 + r2^2}\Big]\Bigg)\Big/\Big(\sqrt{r^2 + r2^2 - 2\,r\,r2\,\mathrm{Cos}[\theta 2]}\Big)\Bigg) -$$

$$\Bigg(\sqrt{\frac{r^2 + r2^2 - 2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2 + r2^2}}\,\Bigg(-r^2 - r2^2 + r^2\,\sqrt{\frac{r^2 + r2^2 - 2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2 + r2^2}} +$$

$$r2^2\,\sqrt{\frac{r^2 + r2^2 - 2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2 + r2^2}}\Bigg)\,(1 + 2\,\mathrm{Cos}[2\,\lambda 1])$$

$$\mathrm{Sin}[\lambda 1]\Bigg)\Big/\Big(r\,r2\,\sqrt{r^2 + r2^2 - 2\,r\,r2\,\mathrm{Cos}[\theta 2]}\Big)\Bigg) +$$

$$(1 + 2\,\mathrm{Cos}[2\,\lambda])\,\mathrm{Sin}[\lambda]\,\Bigg(\Bigg(\sqrt{\frac{r^2 + r2^2 - 2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2 + r2^2}}\,\Bigg(-r^2 - r2^2 +$$

$$r^2\,\sqrt{\frac{r^2 + r2^2 - 2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2 + r2^2}} + r2^2\,\sqrt{\frac{r^2 + r2^2 - 2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2 + r2^2}}\Bigg)$$

$$\mathrm{Cos}[\lambda 1]\,(-1 + 2\,\mathrm{Cos}[2\,\lambda 1])\Bigg)\Big/\Big(r\,r2\,\sqrt{r^2 + r2^2 - 2\,r\,r2\,\mathrm{Cos}[\theta 2]}\Big) -$$

$$\frac{1}{2\,r\,r2}\,\Bigg(\Bigg(2\,(r^2 - 2\,r\,r2 + r2^2)\,\sqrt{\frac{r^2 + r2^2 - 2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2 - 2\,r\,r2 + r2^2}}$$

$$\mathrm{EllipticE}\Big[\frac{\theta 2}{2},\, -\frac{4\,r\,r2}{r^2 - 2\,r\,r2 + r2^2}\Big]\Bigg)\Big/$$

$$\Big(\sqrt{r^2 + r2^2 - 2\,r\,r2\,\mathrm{Cos}[\theta 2]}\Big) - \Bigg(2\,(r^2 + r2^2)$$

$$\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r2+r2^2}}\ \mathrm{EllipticF}\left[\frac{\theta 2}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\Bigg)\Bigg/$$

$$\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}\right)\Bigg)\ \mathrm{Sin}[3\,\lambda 1]\Bigg)\Bigg)+$$

$$\frac{1}{r^2-r2^2}\,12\,r2^3\Bigg(\mathrm{Cos}[\lambda]\ (-1+2\,\mathrm{Cos}[2\,\lambda])\ \Bigg(-\frac{1}{2\,r\,r2}\,\mathrm{Cos}[3\,\lambda 1]$$

$$\Bigg(\Bigg(2\left(r^2-2\,r\,r2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r2+r2^2}}\ \mathrm{EllipticE}\Big[$$

$$\frac{\theta 2}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\Bigg)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}\right)-$$

$$\Bigg(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r2+r2^2}}\ \mathrm{EllipticF}\Big[\frac{\theta 2}{2},$$

$$-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\Bigg)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}\right)\Bigg)-$$

$$\Bigg(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2+r2^2}}\ \Bigg(-r^2-r2^2+r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2+r2^2}}+$$

$$r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2+r2^2}}\Bigg)\ (1+2\,\mathrm{Cos}[2\,\lambda 1])$$

$$\mathrm{Sin}[\lambda 1]\Bigg)\Big/\left(r\,r2\,\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}\right)\Bigg)+$$

$$(1+2\,\mathrm{Cos}[2\,\lambda])\ \mathrm{Sin}[\lambda]\ \Bigg(\Bigg(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2+r2^2}}\ \Bigg(-r^2-r2^2+$$

$$r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2+r2^2}}+r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2+r2^2}}\Bigg)$$

$$\mathrm{Cos}[\lambda 1]\ (-1+2\,\mathrm{Cos}[2\,\lambda 1])\Bigg)\Big/\left(r\,r2\,\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}\right)-$$

$$\frac{1}{2\,r\,r2}\ \Bigg(\Bigg(2\left(r^2-2\,r\,r2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r2+r2^2}}$$

$$\text{EllipticE}\left[\frac{\theta 2}{2}, -\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\right]\Bigg)\Bigg/$$

$$\left(\sqrt{r^2 + r2^2 - 2\, r\, r2\, \text{Cos}[\theta 2]}\right) - \Bigg(2\left(r^2 + r2^2\right)$$

$$\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \text{Cos}[\theta 2]}{r^2 - 2\, r\, r2 + r2^2}}\ \text{EllipticF}\left[\frac{\theta 2}{2}, -\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\right]\Bigg)\Bigg/$$

$$\left(\sqrt{r^2 + r2^2 - 2\, r\, r2\, \text{Cos}[\theta 2]}\right)\Bigg)\ \text{Sin}[3\,\lambda 1]\Bigg)\Bigg) +$$

$$\frac{1}{r^2\left(r^2 - r2^2\right)}\ 8\, r2^5 \Bigg(\text{Cos}[\lambda]\ (-1 + 2\,\text{Cos}[2\,\lambda])\ \Bigg(-\frac{1}{2\, r\, r2}\ \text{Cos}[3\,\lambda 1]$$

$$\Bigg(\Bigg(2\left(r^2 - 2\, r\, r2 + r2^2\right)\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \text{Cos}[\theta 2]}{r^2 - 2\, r\, r2 + r2^2}}\ \text{EllipticE}\Big[$$

$$\frac{\theta 2}{2}, -\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\Big]\Bigg)\Bigg/\left(\sqrt{r^2 + r2^2 - 2\, r\, r2\, \text{Cos}[\theta 2]}\right) -$$

$$\Bigg(2\left(r^2 + r2^2\right)\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \text{Cos}[\theta 2]}{r^2 - 2\, r\, r2 + r2^2}}\ \text{EllipticF}\Big[\frac{\theta 2}{2},$$

$$-\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\Big]\Bigg)\Bigg/\left(\sqrt{r^2 + r2^2 - 2\, r\, r2\, \text{Cos}[\theta 2]}\right)\Bigg) -$$

$$\Bigg(\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \text{Cos}[\theta 2]}{r^2 + r2^2}}\ \Bigg(-r^2 - r2^2 + r^2\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \text{Cos}[\theta 2]}{r^2 + r2^2}} +$$

$$r2^2\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \text{Cos}[\theta 2]}{r^2 + r2^2}}\Bigg)\ (1 + 2\,\text{Cos}[2\,\lambda 1])$$

$$\text{Sin}[\lambda 1]\Bigg)\Bigg/\left(r\, r2\sqrt{r^2 + r2^2 - 2\, r\, r2\, \text{Cos}[\theta 2]}\right)\Bigg) +$$

$$(1 + 2\,\text{Cos}[2\,\lambda])\ \text{Sin}[\lambda]\ \Bigg(\Bigg(\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \text{Cos}[\theta 2]}{r^2 + r2^2}}\ \Bigg(-r^2 - r2^2 +$$

$$r^2\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \text{Cos}[\theta 2]}{r^2 + r2^2}} + r2^2\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \text{Cos}[\theta 2]}{r^2 + r2^2}}\Bigg)$$

$$\text{Cos}[\lambda 1]\ (-1+2\,\text{Cos}[2\,\lambda 1])\Big)\Big/\Big(r\ r2\ \sqrt{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 2]}\Big)-$$

$$\frac{1}{2\,r\,r2}\Bigg(\Bigg(2\left(r^2-2\,r\,r2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 2]}{r^2-2\,r\,r2+r2^2}}$$

$$\text{EllipticE}\Big[\frac{\theta 2}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\Bigg)\Big/$$

$$\Big(\sqrt{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 2]}\Big)-\Bigg(2\left(r^2+r2^2\right)$$

$$\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 2]}{r^2-2\,r\,r2+r2^2}}\ \text{EllipticF}\Big[\frac{\theta 2}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\Bigg)\Big/$$

$$\Big(\sqrt{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 2]}\Big)\Bigg)\ \text{Sin}[3\,\lambda 1]\Bigg)\Bigg)-$$

$$\frac{1}{r^2-r2^2}\ 32\,r^2\,r2\Bigg(\text{Cos}[\lambda]\ (-1+2\,\text{Cos}[2\,\lambda])\ \Bigg(-\frac{1}{2\,r\,r2}\ \text{Cos}[3\,\lambda 1]$$

$$\Bigg(\Bigg(2\left(r^2-2\,r\,r2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 2]}{r^2-2\,r\,r2+r2^2}}\ \text{EllipticE}\Big[$$

$$\frac{\theta 2}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\Bigg)\Big/\Big(\sqrt{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 2]}\Big)-$$

$$\Bigg(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 2]}{r^2-2\,r\,r2+r2^2}}\ \text{EllipticF}\Big[\frac{\theta 2}{2},$$

$$-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\Bigg)\Big/\Big(\sqrt{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 2]}\Big)\Bigg)+$$

$$\Bigg(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 2]}{r^2+r2^2}}\ \Bigg(-r^2-r2^2+r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 2]}{r^2+r2^2}}+$$

$$r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 2]}{r^2+r2^2}}\Bigg)\ (1+2\,\text{Cos}[2\,\lambda 1])$$

$$\text{Sin}[\lambda 1]\Bigg)\Big/\Big(r\ r2\ \sqrt{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 2]}\Big)\Bigg)-$$

$$(1+2\,\mathrm{Cos}[2\,\lambda])\,\mathrm{Sin}[\lambda]\,\Bigg(\Bigg(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2+r2^2}}\,\Bigg(-r^2-r2^2+$$

$$r^2\,\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2+r2^2}}+r2^2\,\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2+r2^2}}\Bigg)$$

$$\mathrm{Cos}[\lambda 1]\,(-1+2\,\mathrm{Cos}[2\,\lambda 1])\Bigg)\Big/\Big(r\,r2\,\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}\Big)+$$

$$\frac{1}{2\,r\,r2}\,\Bigg(\Bigg(2\,\left(r^2-2\,r\,r2+r2^2\right)\,\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r2+r2^2}}$$

$$\mathrm{EllipticE}\Big[\frac{\theta 2}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\Bigg)\Big/$$

$$\Big(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}\Big)-\Bigg(2\,\left(r^2+r2^2\right)$$

$$\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticF}\Big[\frac{\theta 2}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\Bigg)\Big/$$

$$\Big(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}\Big)\Bigg)\,\mathrm{Sin}[3\,\lambda 1]\Bigg)\Bigg)+$$

$$\frac{1}{r^2-r2^2}\,12\,r2^3\,\Bigg(\mathrm{Cos}[\lambda]\,(-1+2\,\mathrm{Cos}[2\,\lambda])\,\Bigg(-\frac{1}{2\,r\,r2}\,\mathrm{Cos}[3\,\lambda 1]$$

$$\Bigg(\Bigg(2\,\left(r^2-2\,r\,r2+r2^2\right)\,\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticE}\Big[$$

$$\frac{\theta 2}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\Bigg)\Big/\Big(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}\Big)-$$

$$\Bigg(2\,\left(r^2+r2^2\right)\,\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticF}\Big[\frac{\theta 2}{2},$$

$$-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\Bigg)\Big/\Big(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}\Big)\Bigg)+$$

$$\Bigg(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2+r2^2}}\,\Bigg(-r^2-r2^2+r^2\,\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2+r2^2}}+$$

$$r2^2 \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}{r^2 + r2^2}}\Bigg) (1 + 2\, \mathrm{Cos}[2\, \lambda 1])$$

$$\mathrm{Sin}[\lambda 1]\Bigg) \Big/ \left(r\, r2\, \sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}\right)\Bigg) -$$

$$(1 + 2\, \mathrm{Cos}[2\, \lambda])\, \mathrm{Sin}[\lambda]\, \Bigg(\Bigg(\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}{r^2 + r2^2}}\, \Bigg(-r^2 - r2^2 +$$

$$r^2 \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}{r^2 + r2^2}} + r2^2 \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}{r^2 + r2^2}}\Bigg)$$

$$\mathrm{Cos}[\lambda 1]\, (-1 + 2\, \mathrm{Cos}[2\, \lambda 1])\Bigg) \Big/ \left(r\, r2\, \sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}\right) +$$

$$\frac{1}{2\, r\, r2} \Bigg(\Bigg(2\, \left(r^2 - 2\, r\, r2 + r2^2\right) \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}{r^2 - 2\, r\, r2 + r2^2}}$$

$$\mathrm{EllipticE}\left[\frac{\theta 2}{2}, -\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\right]\Bigg) \Big/$$

$$\left(\sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}\right) - \Bigg(2\, \left(r^2 + r2^2\right)$$

$$\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}{r^2 - 2\, r\, r2 + r2^2}}\, \mathrm{EllipticF}\left[\frac{\theta 2}{2}, -\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\right]\Bigg) \Big/$$

$$\left(\sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}\right)\Bigg)\, \mathrm{Sin}[3\, \lambda 1]\Bigg)\Bigg) +$$

$$\frac{1}{r^2\, \left(r^2 - r2^2\right)}\, 8\, r2^5 \Bigg(\mathrm{Cos}[\lambda]\, (-1 + 2\, \mathrm{Cos}[2\, \lambda])\, \Bigg(-\frac{1}{2\, r\, r2}\, \mathrm{Cos}[3\, \lambda 1]$$

$$\Bigg(\Bigg(2\, \left(r^2 - 2\, r\, r2 + r2^2\right) \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}{r^2 - 2\, r\, r2 + r2^2}}\, \mathrm{EllipticE}\Big[$$

$$\frac{\theta 2}{2}, -\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\Big]\Bigg) \Big/ \left(\sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}\right) -$$

$$\Bigg(2\, \left(r^2 + r2^2\right) \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}{r^2 - 2\, r\, r2 + r2^2}}\, \mathrm{EllipticF}\Big[\frac{\theta 2}{2},$$

$$-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\Big)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}\right)\Big)+$$

$$\left(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2+r2^2}}\left(-r^2-r2^2+r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2+r2^2}}+\right.\right.$$

$$\left.r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2+r2^2}}\right)(1+2\,\mathrm{Cos}[2\,\lambda 1])$$

$$\left.\mathrm{Sin}[\lambda 1]\right)\Big/\left(r\,r2\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}\right)\Big)-$$

$$(1+2\,\mathrm{Cos}[2\,\lambda])\,\mathrm{Sin}[\lambda]\left(\left(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2+r2^2}}\left(-r^2-r2^2+\right.\right.\right.$$

$$\left.r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2+r2^2}}+r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2+r2^2}}\right)$$

$$\left.\mathrm{Cos}[\lambda 1]\,(-1+2\,\mathrm{Cos}[2\,\lambda 1])\right)\Big/\left(r\,r2\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}\right)+$$

$$\frac{1}{2\,r\,r2}\left(\left(2\left(r^2-2\,r\,r2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r2+r2^2}}\right.\right.$$

$$\left.\mathrm{EllipticE}\left[\frac{\theta 2}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Big/$$

$$\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}\right)-\left(2\left(r^2+r2^2\right)\right.$$

$$\left.\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r2+r2^2}}\,\mathrm{EllipticF}\left[\frac{\theta 2}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Big/$$

$$\left.\left.\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}\right)\right)\mathrm{Sin}[3\,\lambda 1]\right)\right)-$$

$$\frac{1}{r^2-r1^2}\,12\,r1^3\left(\mathrm{Cos}[\lambda]\left(-\frac{1}{2\,r\,r1}\,\mathrm{Cos}[\lambda 2]\left(\left(2\left(r^2-2\,r\,r1+r1^2\right)\right.\right.\right.\right.$$

$$\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r1+r1^2}}\,\mathrm{EllipticE}\left[\frac{\theta 2}{2},\right.$$

$$-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Big)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\right)-$$

$$\left(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticF}\Big[\frac{\theta 2}{2},\right.$$

$$\left.-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\right)\Bigg)-$$

$$\left(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}\left(-r^2-r1^2+r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}+\right.\right.$$

$$\left.r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}\right)$$

$$\mathrm{Sin}[\lambda 2]\Big)\Big/\left(r\,r1\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\right)\Big)+$$

$$\mathrm{Sin}[\lambda]\left(\left(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}\left(-r^2-r1^2+r^2\right.\right.\right.$$

$$\left.\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}+r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}\right)$$

$$\mathrm{Cos}[\lambda 2]\Big)\Big/\left(r\,r1\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\right)-$$

$$\frac{1}{2\,r\,r1}\left(\left(2\left(r^2-2\,r\,r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticE}\Big[\right.\right.$$

$$\frac{\theta 2}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Big)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\right)-$$

$$\left(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticF}\Big[\frac{\theta 2}{2},\right.$$

$$\left.\left.-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\right)\right)\mathrm{Sin}[\lambda 2]\Big)\Big)+$$

$$\frac{1}{r^2\left(r^2-r1^2\right)}\,24\,r1^5\left(\mathrm{Cos}[\lambda]\left(-\frac{1}{2\,r\,r1}\,\mathrm{Cos}[\lambda 2]\left(\left(2\left(r^2-2\,r\,r1+r1^2\right)\right.\right.\right.\right.$$

$$\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r1+r1^2}}\ \mathrm{EllipticE}\Big[\frac{\theta 2}{2},$$

$$-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Big)\Big/\Big(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\Big)-$$

$$\Big(2\,(r^2+r1^2)\,\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r1+r1^2}}\ \mathrm{EllipticF}\Big[\frac{\theta 2}{2},$$

$$-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Big)\Big/\Big(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\Big)\Big)-$$

$$\Big(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}\ \Big(-r^2-r1^2+r^2\,\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}+$$

$$r1^2\,\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}\Big)$$

$$\mathrm{Sin}[\lambda 2]\Big)\Big/\Big(r\,r1\,\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\Big)\Big)+$$

$$\mathrm{Sin}[\lambda]\ \Big(\Big(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}\ \Big(-r^2-r1^2+r^2$$

$$\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}+r1^2\,\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}\Big)$$

$$\mathrm{Cos}[\lambda 2]\Big)\Big/\Big(r\,r1\,\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\Big)-$$

$$\frac{1}{2\,r\,r1}\ \Big(\Big(2\,(r^2-2\,r\,r1+r1^2)\,\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r1+r1^2}}\ \mathrm{EllipticE}\Big[$$

$$\frac{\theta 2}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Big)\Big/\Big(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\Big)-$$

$$\Big(2\,(r^2+r1^2)\,\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r1+r1^2}}\ \mathrm{EllipticF}\Big[\frac{\theta 2}{2},$$

$$-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Big)\Big/\Big(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\Big)\Big)\ \mathrm{Sin}[\lambda 2]\Big)\Big)-$$

$$\frac{1}{r^2 - r1^2}\, 12\, r1^3 \left(\mathrm{Cos}[\lambda] \left(-\frac{1}{2\, r\, r1}\, \mathrm{Cos}[\lambda 2] \left(\left(2\left(r^2 - 2\, r\, r1 + r1^2\right)\right.\right.\right.\right.$$

$$\sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 2]}{r^2 - 2\, r\, r1 + r1^2}}\ \mathrm{EllipticE}\left[\frac{\theta 2}{2},\right.$$

$$\left.\left.-\frac{4\, r\, r1}{r^2 - 2\, r\, r1 + r1^2}\right]\right) \Big/ \left(\sqrt{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 2]}\right) -$$

$$\left(2\left(r^2 + r1^2\right) \sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 2]}{r^2 - 2\, r\, r1 + r1^2}}\ \mathrm{EllipticF}\left[\frac{\theta 2}{2},\right.\right.$$

$$\left.\left.\left.-\frac{4\, r\, r1}{r^2 - 2\, r\, r1 + r1^2}\right]\right) \Big/ \left(\sqrt{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 2]}\right)\right) +$$

$$\left(\sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 2]}{r^2 + r1^2}} \left(-r^2 - r1^2 + r^2 \sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 2]}{r^2 + r1^2}} +\right.\right.$$

$$\left.\left. r1^2 \sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 2]}{r^2 + r1^2}}\right)$$

$$\left.\mathrm{Sin}[\lambda 2]\right) \Big/ \left(r\, r1 \sqrt{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 2]}\right)\Bigg) -$$

$$\mathrm{Sin}[\lambda] \left(\left(\sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 2]}{r^2 + r1^2}} \left(-r^2 - r1^2 + r^2\right.\right.\right.$$

$$\left.\left.\sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 2]}{r^2 + r1^2}} + r1^2 \sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 2]}{r^2 + r1^2}}\right)$$

$$\left.\mathrm{Cos}[\lambda 2]\right) \Big/ \left(r\, r1 \sqrt{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 2]}\right) +$$

$$\frac{1}{2\, r\, r1} \left(\left(2\left(r^2 - 2\, r\, r1 + r1^2\right) \sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 2]}{r^2 - 2\, r\, r1 + r1^2}}\ \mathrm{EllipticE}\left[\right.\right.\right.$$

$$\left.\left.\frac{\theta 2}{2}, -\frac{4\, r\, r1}{r^2 - 2\, r\, r1 + r1^2}\right]\right) \Big/ \left(\sqrt{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 2]}\right) -$$

$$\left(2\left(r^2 + r1^2\right) \sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 2]}{r^2 - 2\, r\, r1 + r1^2}}\ \mathrm{EllipticF}\left[\frac{\theta 2}{2},\right.\right.$$

$$-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Big)\Big/\Big(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\Big)\Big)\,\mathrm{Sin}[\lambda 2]\Big)\Big)+$$

$$\frac{1}{r^2\left(r^2-r1^2\right)}\,24\,r1^5\Big(\mathrm{Cos}[\lambda]\Big(-\frac{1}{2\,r\,r1}\,\mathrm{Cos}[\lambda 2]\Big(\Big(2\left(r^2-2\,r\,r1+r1^2\right)$$

$$\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticE}\Big[\frac{\theta 2}{2},$$

$$-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Big)\Big/\Big(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\Big)-$$

$$\Big(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticF}\Big[\frac{\theta 2}{2},$$

$$-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Big)\Big/\Big(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\Big)\Big)+$$

$$\Big(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}\;\Big(-r^2-r1^2+r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}+$$

$$r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}\Big)$$

$$\mathrm{Sin}[\lambda 2]\Big)\Big/\Big(r\,r1\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\Big)\Big)-$$

$$\mathrm{Sin}[\lambda]\Big(\Big(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}\;\Big(-r^2-r1^2+r^2$$

$$\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}+r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}\Big)$$

$$\mathrm{Cos}[\lambda 2]\Big)\Big/\Big(r\,r1\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\Big)+$$

$$\frac{1}{2\,r\,r1}\Big(\Big(2\left(r^2-2\,r\,r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticE}\Big[$$

$$\frac{\theta 2}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Big)\Big/\Big(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\Big)-$$

$$\left(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticF}\left[\frac{\theta 2}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\right)\mathrm{Sin}[\lambda 2]\Bigg)\Bigg)+$$

$$\frac{1}{r^2-r2^2}\,12\,r2^3\left(\mathrm{Cos}[\lambda]\left(-\frac{1}{2\,r\,r2}\,\mathrm{Cos}[\lambda 2]\left(\left(2\left(r^2-2\,r\,r2+r2^2\right)\right.\right.\right.\right.$$

$$\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticE}\left[\frac{\theta 2}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\Bigg)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}\right)-$$

$$\left(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticF}\left[\frac{\theta 2}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}\right)-$$

$$\left(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2+r2^2}}\left(-r^2-r2^2+r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2+r2^2}}+\right.\right.$$

$$\left.r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2+r2^2}}\right)$$

$$\mathrm{Sin}[\lambda 2]\Big)\Big/\left(r\,r2\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}\right)\Bigg)+$$

$$\mathrm{Sin}[\lambda]\left(\left(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2+r2^2}}\left(-r^2-r2^2+r^2\right.\right.\right.$$

$$\left.\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2+r2^2}}+r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2+r2^2}}\right)$$

$$\mathrm{Cos}[\lambda 2]\Big)\Big/\left(r\,r2\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}\right)-$$

$$\frac{1}{2\,r\,r2}\left(\left(2\left(r^2-2\,r\,r2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticE}\right.\right.$$

$$\frac{\theta 2}{2}, -\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\Big]\Big) \Big/ \left(\sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}\right) -$$

$$\left(2\left(r^2 + r2^2\right)\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}{r^2 - 2\, r\, r2 + r2^2}}\ \mathrm{EllipticF}\Big[\frac{\theta 2}{2},\right.$$

$$\left.-\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\Big]\Big) \Big/ \left(\sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}\right)\Big)\ \mathrm{Sin}[\lambda 2]\Big)\Big) -$$

$$\frac{1}{r^2\left(r^2 - r2^2\right)}\ 24\, r2^5 \Big(\mathrm{Cos}[\lambda]\ \Big(-\frac{1}{2\, r\, r2}\ \mathrm{Cos}[\lambda 2]\ \Big(\Big(2\left(r^2 - 2\, r\, r2 + r2^2\right)$$

$$\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}{r^2 - 2\, r\, r2 + r2^2}}\ \mathrm{EllipticE}\Big[\frac{\theta 2}{2},$$

$$-\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\Big]\Big) \Big/ \left(\sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}\right) -$$

$$\left(2\left(r^2 + r2^2\right)\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}{r^2 - 2\, r\, r2 + r2^2}}\ \mathrm{EllipticF}\Big[\frac{\theta 2}{2},\right.$$

$$\left.-\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\Big]\Big) \Big/ \left(\sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}\right)\Big) -$$

$$\Big(\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}{r^2 + r2^2}}\ \Big(-r^2 - r2^2 + r^2\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}{r^2 + r2^2}} +$$

$$r2^2\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}{r^2 + r2^2}}\Big)$$

$$\mathrm{Sin}[\lambda 2]\Big) \Big/ \left(r\, r2\sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}\right)\Big) +$$

$$\mathrm{Sin}[\lambda]\ \Big(\Big(\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}{r^2 + r2^2}}\ \Big(-r^2 - r2^2 + r^2$$

$$\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}{r^2 + r2^2}} + r2^2\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}{r^2 + r2^2}}\Big)$$

$$\mathrm{Cos}[\lambda 2]\Big) \Big/ \left(r\, r2\sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}\right) -$$

$$\frac{1}{2\,r\,r2}\left(\left(2\left(r^2-2\,r\,r2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta2]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticE}\left[\frac{\theta2}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta2]}\right)-\left(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta2]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticF}\left[\frac{\theta2}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta2]}\right)\right)\mathrm{Sin}[\lambda2]\right)\right)+$$

$$\frac{1}{r^2-r2^2}\,12\,r2^3\left(\mathrm{Cos}[\lambda]\left(-\frac{1}{2\,r\,r2}\,\mathrm{Cos}[\lambda2]\left(\left(2\left(r^2-2\,r\,r2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta2]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticE}\left[\frac{\theta2}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta2]}\right)-\left(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta2]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticF}\left[\frac{\theta2}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta2]}\right)\right)+\left(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta2]}{r^2+r2^2}}\left(-r^2-r2^2+r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta2]}{r^2+r2^2}}+r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta2]}{r^2+r2^2}}\right)\mathrm{Sin}[\lambda2]\right)\Big/\left(r\,r2\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta2]}\right)\right)-\mathrm{Sin}[\lambda]\left(\left(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta2]}{r^2+r2^2}}\left(-r^2-r2^2+r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta2]}{r^2+r2^2}}+r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta2]}{r^2+r2^2}}\right)\right.\right.$$

$$\text{Cos}[\lambda 2]\Big)\Big/\left(r\,r2\,\sqrt{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 2]}\right)+$$

$$\frac{1}{2\,r\,r2}\left(\left(2\left(r^2-2\,r\,r2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 2]}{r^2-2\,r\,r2+r2^2}}\;\text{EllipticE}\Big[\frac{\theta 2}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 2]}\right)-\right.$$

$$\left.\left(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 2]}{r^2-2\,r\,r2+r2^2}}\;\text{EllipticF}\Big[\frac{\theta 2}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 2]}\right)\right)\text{Sin}[\lambda 2]\Bigg)\Bigg)-$$

$$\frac{1}{r^2\left(r^2-r2^2\right)}\,24\,r2^5\left(\text{Cos}[\lambda]\left(-\frac{1}{2\,r\,r2}\,\text{Cos}[\lambda 2]\left(\left(2\left(r^2-2\,r\,r2+r2^2\right)\right.\right.\right.$$

$$\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 2]}{r^2-2\,r\,r2+r2^2}}\;\text{EllipticE}\Big[\frac{\theta 2}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\Big)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 2]}\right)-$$

$$\left(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 2]}{r^2-2\,r\,r2+r2^2}}\;\text{EllipticF}\Big[\frac{\theta 2}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 2]}\right)\Bigg)+$$

$$\left(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 2]}{r^2+r2^2}}\left(-r^2-r2^2+r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 2]}{r^2+r2^2}}+\right.\right.$$

$$\left.r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 2]}{r^2+r2^2}}\right)$$

$$\text{Sin}[\lambda 2]\Big)\Big/\left(r\,r2\,\sqrt{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 2]}\right)\Bigg)-$$

$$\text{Sin}[\lambda]\left(\left(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 2]}{r^2+r2^2}}\left(-r^2-r2^2+r^2\right.\right.\right.$$

$$\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2+r2^2}}+r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2+r2^2}}\Bigg)$$

$$\mathrm{Cos}[\lambda 2]\Bigg)\Big/\left(r\,r2\,\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}\right)+$$

$$\frac{1}{2\,r\,r2}\left(\left(2\left(r^2-2\,r\,r2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticE}\Big[\right.\right.$$

$$\left.\frac{\theta 2}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}\right)-$$

$$\left(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticF}\Big[\frac{\theta 2}{2},\right.$$

$$\left.\left.-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}\right)\right)\mathrm{Sin}[\lambda 2]\Bigg)\Bigg)-$$

$$\frac{1}{r^2-r1^2}\,32\,r^2\,r1\left(\mathrm{Cos}[\lambda]\,(-1+2\,\mathrm{Cos}[2\,\lambda])\left(-\frac{1}{2\,r\,r1}\,\mathrm{Cos}[3\,\lambda 2]\right.\right.$$

$$\left(\left(2\left(r^2-2\,r\,r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticE}\Big[\right.\right.$$

$$\left.\frac{\theta 2}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\right)-$$

$$\left(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticF}\Big[\frac{\theta 2}{2},\right.$$

$$\left.-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\right)\Bigg)-$$

$$\left(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}\left(-r^2-r1^2+r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}+\right.\right.$$

$$\left.r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}\right)(1+2\,\mathrm{Cos}[2\,\lambda 2])$$

$$\mathrm{Sin}[\lambda 2]\Bigg)\Big/\left(r\,r1\,\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\right)\Bigg)+$$

$$(1+2\,\mathrm{Cos}[2\,\lambda])\,\mathrm{Sin}[\lambda]\,\Bigg(\Bigg(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}\,\Bigg(-r^2-r1^2+$$

$$r^2\,\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}+r1^2\,\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}\Bigg)$$

$$\mathrm{Cos}[\lambda 2]\,(-1+2\,\mathrm{Cos}[2\,\lambda 2])\Bigg)\Big/\Big(r\,r1\,\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\Big)-$$

$$\frac{1}{2\,r\,r1}\,\Bigg(\Bigg(2\,(r^2-2\,r\,r1+r1^2)\,\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r1+r1^2}}$$

$$\mathrm{EllipticE}\Big[\frac{\theta 2}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Bigg)\Big/$$

$$\Big(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\Big)-\Bigg(2\,(r^2+r1^2)$$

$$\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticF}\Big[\frac{\theta 2}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Bigg)\Big/$$

$$\Big(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\Big)\Bigg)\,\mathrm{Sin}[3\,\lambda 2]\Bigg)\Bigg)+$$

$$\frac{1}{r^2-r1^2}\,12\,r1^3\,\Bigg(\mathrm{Cos}[\lambda]\,(-1+2\,\mathrm{Cos}[2\,\lambda])\,\Bigg(-\frac{1}{2\,r\,r1}\,\mathrm{Cos}[3\,\lambda 2]$$

$$\Bigg(\Bigg(2\,(r^2-2\,r\,r1+r1^2)\,\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticE}\Big[$$

$$\frac{\theta 2}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Bigg)\Big/\Big(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\Big)-$$

$$\Bigg(2\,(r^2+r1^2)\,\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticF}\Big[\frac{\theta 2}{2},$$

$$-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Bigg)\Big/\Big(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\Big)\Bigg)-$$

$$\Bigg(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}\,\Bigg(-r^2-r1^2+r^2\,\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}+$$

$$r1^2 \sqrt{\frac{r^2 + r1^2 - 2\, r\, r1 \,\mathrm{Cos}[\theta 2]}{r^2 + r1^2}}\Bigg) (1 + 2\,\mathrm{Cos}[2\,\lambda 2])$$

$$\mathrm{Sin}[\lambda 2]\Bigg) \Big/ \left(r\, r1 \sqrt{r^2 + r1^2 - 2\, r\, r1 \,\mathrm{Cos}[\theta 2]}\right)\Bigg) +$$

$$(1 + 2\,\mathrm{Cos}[2\,\lambda])\,\mathrm{Sin}[\lambda] \Bigg(\Bigg(\sqrt{\frac{r^2 + r1^2 - 2\, r\, r1 \,\mathrm{Cos}[\theta 2]}{r^2 + r1^2}} \Bigg(-r^2 - r1^2 +$$

$$r^2 \sqrt{\frac{r^2 + r1^2 - 2\, r\, r1 \,\mathrm{Cos}[\theta 2]}{r^2 + r1^2}} + r1^2 \sqrt{\frac{r^2 + r1^2 - 2\, r\, r1 \,\mathrm{Cos}[\theta 2]}{r^2 + r1^2}}\Bigg)$$

$$\mathrm{Cos}[\lambda 2]\,(-1 + 2\,\mathrm{Cos}[2\,\lambda 2])\Bigg) \Big/ \left(r\, r1 \sqrt{r^2 + r1^2 - 2\, r\, r1 \,\mathrm{Cos}[\theta 2]}\right) -$$

$$\frac{1}{2\, r\, r1} \Bigg(\Bigg(2\left(r^2 - 2\, r\, r1 + r1^2\right) \sqrt{\frac{r^2 + r1^2 - 2\, r\, r1 \,\mathrm{Cos}[\theta 2]}{r^2 - 2\, r\, r1 + r1^2}}$$

$$\mathrm{EllipticE}\left[\frac{\theta 2}{2}, -\frac{4\, r\, r1}{r^2 - 2\, r\, r1 + r1^2}\right]\Bigg) \Big/$$

$$\left(\sqrt{r^2 + r1^2 - 2\, r\, r1 \,\mathrm{Cos}[\theta 2]}\right) - \Bigg(2\left(r^2 + r1^2\right)$$

$$\sqrt{\frac{r^2 + r1^2 - 2\, r\, r1 \,\mathrm{Cos}[\theta 2]}{r^2 - 2\, r\, r1 + r1^2}}\ \mathrm{EllipticF}\left[\frac{\theta 2}{2}, -\frac{4\, r\, r1}{r^2 - 2\, r\, r1 + r1^2}\right]\Bigg) \Big/$$

$$\left(\sqrt{r^2 + r1^2 - 2\, r\, r1 \,\mathrm{Cos}[\theta 2]}\right)\Bigg) \mathrm{Sin}[3\,\lambda 2]\Bigg)\Bigg) +$$

$$\frac{1}{r^2\left(r^2 - r1^2\right)}\, 8\, r1^5 \Bigg(\mathrm{Cos}[\lambda]\,(-1 + 2\,\mathrm{Cos}[2\,\lambda]) \Bigg(-\frac{1}{2\, r\, r1}\,\mathrm{Cos}[3\,\lambda 2]$$

$$\Bigg(\Bigg(2\left(r^2 - 2\, r\, r1 + r1^2\right) \sqrt{\frac{r^2 + r1^2 - 2\, r\, r1 \,\mathrm{Cos}[\theta 2]}{r^2 - 2\, r\, r1 + r1^2}}\ \mathrm{EllipticE}\Big[$$

$$\frac{\theta 2}{2}, -\frac{4\, r\, r1}{r^2 - 2\, r\, r1 + r1^2}\Big]\Bigg) \Big/ \left(\sqrt{r^2 + r1^2 - 2\, r\, r1 \,\mathrm{Cos}[\theta 2]}\right) -$$

$$\Bigg(2\left(r^2 + r1^2\right) \sqrt{\frac{r^2 + r1^2 - 2\, r\, r1 \,\mathrm{Cos}[\theta 2]}{r^2 - 2\, r\, r1 + r1^2}}\ \mathrm{EllipticF}\Big[\frac{\theta 2}{2},$$

$$-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Big)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\right)\Big)-$$

$$\left(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}\left(-r^2-r1^2+r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}+\right.\right.$$

$$\left.r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}\right)(1+2\,\mathrm{Cos}[2\,\lambda 2])$$

$$\left.\mathrm{Sin}[\lambda 2]\right)\Big/\left(r\,r1\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\right)\Big)+$$

$$(1+2\,\mathrm{Cos}[2\,\lambda])\,\mathrm{Sin}[\lambda]\left(\left(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}\left(-r^2-r1^2+\right.\right.\right.$$

$$\left.r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}+r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}\right)$$

$$\left.\mathrm{Cos}[\lambda 2]\,(-1+2\,\mathrm{Cos}[2\,\lambda 2])\right)\Big/\left(r\,r1\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\right)-$$

$$\frac{1}{2\,r\,r1}\left(\left(2\left(r^2-2\,r\,r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r1+r1^2}}\right.\right.$$

$$\left.\mathrm{EllipticE}\left[\frac{\theta 2}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\right)\Big/$$

$$\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\right)-\left(2\left(r^2+r1^2\right)\right.$$

$$\left.\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r1+r1^2}}\,\mathrm{EllipticF}\left[\frac{\theta 2}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\right)\Big/$$

$$\left.\left.\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\right)\right)\mathrm{Sin}[3\,\lambda 2]\right)\right)-$$

$$\frac{1}{r^2-r1^2}\,32\,r^2\,r1\left(\mathrm{Cos}[\lambda]\,(-1+2\,\mathrm{Cos}[2\,\lambda])\left(-\frac{1}{2\,r\,r1}\,\mathrm{Cos}[3\,\lambda 2]\right.\right.$$

$$\left(\left(2\left(r^2-2\,r\,r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r1+r1^2}}\,\mathrm{EllipticE}\right.\right.$$

$$\frac{\theta 2}{2}, -\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Big)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\right)-$$

$$\left(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticF}\Big[\frac{\theta 2}{2},\right.$$

$$\left.-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\right)+$$

$$\left(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}\left(-r^2-r1^2+r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}+\right.\right.$$

$$\left.r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}\right)(1+2\,\mathrm{Cos}[2\,\lambda 2])$$

$$\left.\mathrm{Sin}[\lambda 2]\right)\Big/\left(r\,r1\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\right)\Bigg)-$$

$$(1+2\,\mathrm{Cos}[2\,\lambda])\,\mathrm{Sin}[\lambda]\left(\left(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}\left(-r^2-r1^2+\right.\right.\right.$$

$$\left.r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}+r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}\right)$$

$$\left.\mathrm{Cos}[\lambda 2]\,(-1+2\,\mathrm{Cos}[2\,\lambda 2])\right)\Big/\left(r\,r1\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\right)+$$

$$\frac{1}{2\,r\,r1}\left(\left(2\left(r^2-2\,r\,r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r1+r1^2}}\right.\right.$$

$$\left.\mathrm{EllipticE}\Big[\frac{\theta 2}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\right)\Big/$$

$$\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\right)-\left(2\left(r^2+r1^2\right)\right.$$

$$\left.\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticF}\Big[\frac{\theta 2}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\right)\Big/$$

$$\left.\left.\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\right)\right)\mathrm{Sin}[3\,\lambda 2]\right)\Bigg)+$$

$$\frac{1}{r^2 - r1^2}\, 12\, r1^3 \left(\mathrm{Cos}[\lambda]\ (-1 + 2\,\mathrm{Cos}[2\,\lambda])\ \left(-\frac{1}{2\,r\,r1}\,\mathrm{Cos}[3\,\lambda 2]\right.\right.$$

$$\left(\left(2\left(r^2 - 2\,r\,r1 + r1^2\right)\sqrt{\frac{r^2 + r1^2 - 2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2 - 2\,r\,r1 + r1^2}}\ \mathrm{EllipticE}\Big[\right.\right.$$

$$\left.\frac{\theta 2}{2}, -\frac{4\,r\,r1}{r^2 - 2\,r\,r1 + r1^2}\Big]\right) \Big/ \left(\sqrt{r^2 + r1^2 - 2\,r\,r1\,\mathrm{Cos}[\theta 2]}\right) -$$

$$\left(2\left(r^2 + r1^2\right)\sqrt{\frac{r^2 + r1^2 - 2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2 - 2\,r\,r1 + r1^2}}\ \mathrm{EllipticF}\Big[\frac{\theta 2}{2},\right.$$

$$\left.-\frac{4\,r\,r1}{r^2 - 2\,r\,r1 + r1^2}\Big]\right) \Big/ \left(\sqrt{r^2 + r1^2 - 2\,r\,r1\,\mathrm{Cos}[\theta 2]}\right)\Bigg) +$$

$$\left(\sqrt{\frac{r^2 + r1^2 - 2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2 + r1^2}}\ \left(-r^2 - r1^2 + r^2\sqrt{\frac{r^2 + r1^2 - 2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2 + r1^2}} +\right.\right.$$

$$\left.r1^2\sqrt{\frac{r^2 + r1^2 - 2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2 + r1^2}}\right)\ (1 + 2\,\mathrm{Cos}[2\,\lambda 2])$$

$$\left.\mathrm{Sin}[\lambda 2]\right) \Big/ \left(r\,r1\,\sqrt{r^2 + r1^2 - 2\,r\,r1\,\mathrm{Cos}[\theta 2]}\right)\Bigg) -$$

$$(1 + 2\,\mathrm{Cos}[2\,\lambda])\ \mathrm{Sin}[\lambda]\ \left(\left(\sqrt{\frac{r^2 + r1^2 - 2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2 + r1^2}}\ \left(-r^2 - r1^2 +\right.\right.\right.$$

$$\left.r^2\sqrt{\frac{r^2 + r1^2 - 2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2 + r1^2}} + r1^2\sqrt{\frac{r^2 + r1^2 - 2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2 + r1^2}}\right)$$

$$\left.\mathrm{Cos}[\lambda 2]\ (-1 + 2\,\mathrm{Cos}[2\,\lambda 2])\right) \Big/ \left(r\,r1\,\sqrt{r^2 + r1^2 - 2\,r\,r1\,\mathrm{Cos}[\theta 2]}\right) +$$

$$\frac{1}{2\,r\,r1}\left(\left(2\left(r^2 - 2\,r\,r1 + r1^2\right)\sqrt{\frac{r^2 + r1^2 - 2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2 - 2\,r\,r1 + r1^2}}\right.\right.$$

$$\left.\mathrm{EllipticE}\Big[\frac{\theta 2}{2}, -\frac{4\,r\,r1}{r^2 - 2\,r\,r1 + r1^2}\Big]\right) \Big/$$

$$\left(\sqrt{r^2 + r1^2 - 2\,r\,r1\,\mathrm{Cos}[\theta 2]}\right) - \left(2\left(r^2 + r1^2\right)\right.$$

$$\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticF}\left[\frac{\theta 2}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\Bigg)\Bigg/$$

$$\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\right)\Bigg)\,\mathrm{Sin}[3\,\lambda 2]\Bigg)\Bigg)+$$

$$\frac{1}{r^2\left(r^2-r1^2\right)}\,8\,r1^5\Bigg(\mathrm{Cos}[\lambda]\,(-1+2\,\mathrm{Cos}[2\,\lambda])\Bigg(-\frac{1}{2\,r\,r1}\,\mathrm{Cos}[3\,\lambda 2]$$

$$\Bigg(\Bigg(2\left(r^2-2\,r\,r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticE}\Big[$$

$$\frac{\theta 2}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Bigg)\Bigg/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\right)-$$

$$\Bigg(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticF}\Big[\frac{\theta 2}{2},$$

$$-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Bigg)\Bigg/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\right)\Bigg)+$$

$$\Bigg(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}\;\Bigg(-r^2-r1^2+r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}+$$

$$r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}\Bigg)\,(1+2\,\mathrm{Cos}[2\,\lambda 2])$$

$$\mathrm{Sin}[\lambda 2]\Bigg)\Bigg/\left(r\,r1\,\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\right)\Bigg)-$$

$$(1+2\,\mathrm{Cos}[2\,\lambda])\,\mathrm{Sin}[\lambda]\Bigg(\Bigg(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}\;\Bigg(-r^2-r1^2+$$

$$r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}+r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}\Bigg)$$

$$\mathrm{Cos}[\lambda 2]\,(-1+2\,\mathrm{Cos}[2\,\lambda 2])\Bigg)\Bigg/\left(r\,r1\,\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\right)+$$

$$\frac{1}{2\,r\,r1}\Bigg(\Bigg(2\left(r^2-2\,r\,r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r1+r1^2}}$$

$$\text{EllipticE}\left[\frac{\theta 2}{2}, -\frac{4\, r\, r1}{r^2 - 2\, r\, r1 + r1^2}\right]\Bigg)\Bigg/$$

$$\left(\sqrt{r^2 + r1^2 - 2\, r\, r1\, \text{Cos}[\theta 2]}\right) - \Bigg(2\left(r^2 + r1^2\right)$$

$$\sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \text{Cos}[\theta 2]}{r^2 - 2\, r\, r1 + r1^2}}\ \text{EllipticF}\left[\frac{\theta 2}{2}, -\frac{4\, r\, r1}{r^2 - 2\, r\, r1 + r1^2}\right]\Bigg)\Bigg/$$

$$\left(\sqrt{r^2 + r1^2 - 2\, r\, r1\, \text{Cos}[\theta 2]}\right)\Bigg)\ \text{Sin}[3\,\lambda 2]\Bigg)\Bigg) +$$

$$\frac{1}{r^2 - r2^2}\ 32\, r^2\, r2\ \Bigg(\text{Cos}[\lambda]\ (-1 + 2\,\text{Cos}[2\,\lambda])\ \Bigg(-\frac{1}{2\, r\, r2}\ \text{Cos}[3\,\lambda 2]$$

$$\Bigg(\Bigg(2\left(r^2 - 2\, r\, r2 + r2^2\right)\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \text{Cos}[\theta 2]}{r^2 - 2\, r\, r2 + r2^2}}\ \text{EllipticE}\Big[$$

$$\frac{\theta 2}{2}, -\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\Big]\Bigg)\Bigg/\left(\sqrt{r^2 + r2^2 - 2\, r\, r2\, \text{Cos}[\theta 2]}\right) -$$

$$\Bigg(2\left(r^2 + r2^2\right)\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \text{Cos}[\theta 2]}{r^2 - 2\, r\, r2 + r2^2}}\ \text{EllipticF}\Big[\frac{\theta 2}{2},$$

$$-\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\Big]\Bigg)\Bigg/\left(\sqrt{r^2 + r2^2 - 2\, r\, r2\, \text{Cos}[\theta 2]}\right)\Bigg) -$$

$$\Bigg(\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \text{Cos}[\theta 2]}{r^2 + r2^2}}\ \Bigg(-r^2 - r2^2 + r^2\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \text{Cos}[\theta 2]}{r^2 + r2^2}} +$$

$$r2^2\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \text{Cos}[\theta 2]}{r^2 + r2^2}}\Bigg)\ (1 + 2\,\text{Cos}[2\,\lambda 2])$$

$$\text{Sin}[\lambda 2]\Bigg)\Bigg/\left(r\, r2\sqrt{r^2 + r2^2 - 2\, r\, r2\, \text{Cos}[\theta 2]}\right)\Bigg) +$$

$$(1 + 2\,\text{Cos}[2\,\lambda])\ \text{Sin}[\lambda]\ \Bigg(\Bigg(\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \text{Cos}[\theta 2]}{r^2 + r2^2}}\ \Bigg(-r^2 - r2^2 +$$

$$r^2\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \text{Cos}[\theta 2]}{r^2 + r2^2}} + r2^2\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \text{Cos}[\theta 2]}{r^2 + r2^2}}\Bigg)$$

$$\text{Cos}[\lambda 2]\ (-1+2\,\text{Cos}[2\,\lambda 2])\Big)\Big/\Big(r\ r2\ \sqrt{r^2+r2^2-2\ r\ r2\ \text{Cos}[\theta 2]}\Big)-$$

$$\frac{1}{2\ r\ r2}\Bigg(\Bigg(2\ \left(r^2-2\ r\ r2+r2^2\right)\ \sqrt{\frac{r^2+r2^2-2\ r\ r2\ \text{Cos}[\theta 2]}{r^2-2\ r\ r2+r2^2}}$$

$$\text{EllipticE}\Big[\frac{\theta 2}{2},-\frac{4\ r\ r2}{r^2-2\ r\ r2+r2^2}\Big]\Bigg)\Big/$$

$$\left(\sqrt{r^2+r2^2-2\ r\ r2\ \text{Cos}[\theta 2]}\right)-\Bigg(2\ \left(r^2+r2^2\right)$$

$$\sqrt{\frac{r^2+r2^2-2\ r\ r2\ \text{Cos}[\theta 2]}{r^2-2\ r\ r2+r2^2}}\ \text{EllipticF}\Big[\frac{\theta 2}{2},-\frac{4\ r\ r2}{r^2-2\ r\ r2+r2^2}\Big]\Bigg)\Big/$$

$$\left(\sqrt{r^2+r2^2-2\ r\ r2\ \text{Cos}[\theta 2]}\right)\Bigg)\ \text{Sin}[3\,\lambda 2]\Bigg)\Bigg)-$$

$$\frac{1}{r^2-r2^2}\ 12\ r2^3\ \Bigg(\text{Cos}[\lambda]\ (-1+2\,\text{Cos}[2\,\lambda])\ \Bigg(-\frac{1}{2\ r\ r2}\ \text{Cos}[3\,\lambda 2]$$

$$\Bigg(\Bigg(2\ \left(r^2-2\ r\ r2+r2^2\right)\ \sqrt{\frac{r^2+r2^2-2\ r\ r2\ \text{Cos}[\theta 2]}{r^2-2\ r\ r2+r2^2}}\ \text{EllipticE}\Big[$$

$$\frac{\theta 2}{2},-\frac{4\ r\ r2}{r^2-2\ r\ r2+r2^2}\Big]\Bigg)\Big/\left(\sqrt{r^2+r2^2-2\ r\ r2\ \text{Cos}[\theta 2]}\right)-$$

$$\Bigg(2\ \left(r^2+r2^2\right)\ \sqrt{\frac{r^2+r2^2-2\ r\ r2\ \text{Cos}[\theta 2]}{r^2-2\ r\ r2+r2^2}}\ \text{EllipticF}\Big[\frac{\theta 2}{2},$$

$$-\frac{4\ r\ r2}{r^2-2\ r\ r2+r2^2}\Big]\Bigg)\Big/\left(\sqrt{r^2+r2^2-2\ r\ r2\ \text{Cos}[\theta 2]}\right)\Bigg)-$$

$$\Bigg(\sqrt{\frac{r^2+r2^2-2\ r\ r2\ \text{Cos}[\theta 2]}{r^2+r2^2}}\ \Bigg(-r^2-r2^2+r^2\ \sqrt{\frac{r^2+r2^2-2\ r\ r2\ \text{Cos}[\theta 2]}{r^2+r2^2}}+$$

$$r2^2\ \sqrt{\frac{r^2+r2^2-2\ r\ r2\ \text{Cos}[\theta 2]}{r^2+r2^2}}\Bigg)\ (1+2\,\text{Cos}[2\,\lambda 2])$$

$$\text{Sin}[\lambda 2]\Bigg)\Big/\left(r\ r2\ \sqrt{r^2+r2^2-2\ r\ r2\ \text{Cos}[\theta 2]}\right)\Bigg)+$$

$$(1+2\,\mathrm{Cos}[2\,\lambda])\,\mathrm{Sin}[\lambda]\,\Bigg(\Bigg(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2+r2^2}}\,\Bigg(-r^2-r2^2+$$

$$r^2\,\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2+r2^2}}+r2^2\,\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2+r2^2}}\Bigg)$$

$$\mathrm{Cos}[\lambda 2]\,(-1+2\,\mathrm{Cos}[2\,\lambda 2])\Bigg)\Big/\Big(r\,r2\,\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}\Big)-$$

$$\frac{1}{2\,r\,r2}\,\Bigg(\Bigg(2\,\left(r^2-2\,r\,r2+r2^2\right)\,\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r2+r2^2}}$$

$$\mathrm{EllipticE}\Big[\frac{\theta 2}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\Bigg)\Big/$$

$$\Big(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}\Big)-\Bigg(2\,\left(r^2+r2^2\right)$$

$$\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticF}\Big[\frac{\theta 2}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\Bigg)\Big/$$

$$\Big(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}\Big)\Bigg)\,\mathrm{Sin}[3\,\lambda 2]\Bigg)\Bigg)-$$

$$\frac{1}{r^2\,\left(r^2-r2^2\right)}\,8\,r2^5\,\Bigg(\mathrm{Cos}[\lambda]\,(-1+2\,\mathrm{Cos}[2\,\lambda])\,\Bigg(-\frac{1}{2\,r\,r2}\,\mathrm{Cos}[3\,\lambda 2]$$

$$\Bigg(\Bigg(2\,\left(r^2-2\,r\,r2+r2^2\right)\,\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticE}\Big[$$

$$\frac{\theta 2}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\Bigg)\Big/\Big(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}\Big)-$$

$$\Bigg(2\,\left(r^2+r2^2\right)\,\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticF}\Big[\frac{\theta 2}{2},$$

$$-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\Bigg)\Big/\Big(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}\Big)\Bigg)-$$

$$\Bigg(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2+r2^2}}\,\Bigg(-r^2-r2^2+r^2\,\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2+r2^2}}+$$

$$r2^2 \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}{r^2 + r2^2}}\Bigg) (1 + 2\, \mathrm{Cos}[2\, \lambda 2])$$

$$\mathrm{Sin}[\lambda 2]\Bigg) \Big/ \left(r\, r2\, \sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}\right)\Bigg) +$$

$$(1 + 2\, \mathrm{Cos}[2\, \lambda])\, \mathrm{Sin}[\lambda] \Bigg(\Bigg(\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}{r^2 + r2^2}} \Bigg(-r^2 - r2^2 +$$

$$r^2 \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}{r^2 + r2^2}} + r2^2 \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}{r^2 + r2^2}}\Bigg)$$

$$\mathrm{Cos}[\lambda 2]\, (-1 + 2\, \mathrm{Cos}[2\, \lambda 2])\Bigg) \Big/ \left(r\, r2\, \sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}\right) -$$

$$\frac{1}{2\, r\, r2} \Bigg(\Bigg(2\, \left(r^2 - 2\, r\, r2 + r2^2\right) \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}{r^2 - 2\, r\, r2 + r2^2}}$$

$$\mathrm{EllipticE}\left[\frac{\theta 2}{2}, -\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\right]\Bigg) \Big/$$

$$\left(\sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}\right) - \Bigg(2\, \left(r^2 + r2^2\right)$$

$$\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}{r^2 - 2\, r\, r2 + r2^2}}\ \mathrm{EllipticF}\left[\frac{\theta 2}{2}, -\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\right]\Bigg) \Big/$$

$$\left(\sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}\right)\Bigg) \mathrm{Sin}[3\, \lambda 2]\Bigg)\Bigg) +$$

$$\frac{1}{r^2 - r2^2}\, 32\, r^2\, r2 \Bigg(\mathrm{Cos}[\lambda]\, (-1 + 2\, \mathrm{Cos}[2\, \lambda]) \Bigg(-\frac{1}{2\, r\, r2}\, \mathrm{Cos}[3\, \lambda 2]$$

$$\Bigg(\Bigg(2\, \left(r^2 - 2\, r\, r2 + r2^2\right) \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}{r^2 - 2\, r\, r2 + r2^2}}\ \mathrm{EllipticE}\Big[$$

$$\frac{\theta 2}{2}, -\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\Big]\Bigg) \Big/ \left(\sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}\right) -$$

$$\Bigg(2\, \left(r^2 + r2^2\right) \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}{r^2 - 2\, r\, r2 + r2^2}}\ \mathrm{EllipticF}\Big[\frac{\theta 2}{2},$$

$$-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\Big)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}\right)\Big)+$$

$$\left(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2+r2^2}}\left(-r^2-r2^2+r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2+r2^2}}+\right.\right.$$

$$\left.r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2+r2^2}}\right)(1+2\,\mathrm{Cos}[2\,\lambda 2])$$

$$\left.\mathrm{Sin}[\lambda 2]\right)\Big/\left(r\,r2\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}\right)\Big)-$$

$$(1+2\,\mathrm{Cos}[2\,\lambda])\,\mathrm{Sin}[\lambda]\left(\left(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2+r2^2}}\left(-r^2-r2^2+\right.\right.\right.$$

$$\left.r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2+r2^2}}+r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2+r2^2}}\right)$$

$$\left.\mathrm{Cos}[\lambda 2]\,(-1+2\,\mathrm{Cos}[2\,\lambda 2])\right)\Big/\left(r\,r2\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}\right)+$$

$$\frac{1}{2\,r\,r2}\left(\left(2\left(r^2-2\,r\,r2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r2+r2^2}}\right.\right.$$

$$\left.\mathrm{EllipticE}\left[\frac{\theta 2}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Big/$$

$$\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}\right)-\left(2\left(r^2+r2^2\right)\right.$$

$$\left.\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r2+r2^2}}\,\mathrm{EllipticF}\left[\frac{\theta 2}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Big/$$

$$\left.\left.\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}\right)\right)\mathrm{Sin}[3\,\lambda 2]\right)\right)-$$

$$\frac{1}{r^2-r2^2}\,12\,r2^3\left(\mathrm{Cos}[\lambda]\,(-1+2\,\mathrm{Cos}[2\,\lambda])\left(-\frac{1}{2\,r\,r2}\,\mathrm{Cos}[3\,\lambda 2]\right.\right.$$

$$\left(\left(2\left(r^2-2\,r\,r2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r2+r2^2}}\,\mathrm{EllipticE}\right.\right.$$

$$\frac{\theta 2}{2}, -\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\Big]\Big) \Big/ \left(\sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}\right) -$$

$$\left(2\left(r^2 + r2^2\right)\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}{r^2 - 2\, r\, r2 + r2^2}}\ \mathrm{EllipticF}\Big[\frac{\theta 2}{2},\right.$$

$$\left. -\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\Big]\right) \Big/ \left(\sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}\right)\Bigg) +$$

$$\left(\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}{r^2 + r2^2}}\left(-r^2 - r2^2 + r^2\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}{r^2 + r2^2}} +\right.\right.$$

$$\left. r2^2\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}{r^2 + r2^2}}\right)(1 + 2\, \mathrm{Cos}[2\, \lambda 2])$$

$$\left.\mathrm{Sin}[\lambda 2]\right) \Big/ \left(r\, r2\sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}\right)\Bigg) -$$

$$(1 + 2\, \mathrm{Cos}[2\, \lambda])\, \mathrm{Sin}[\lambda]\left(\left(\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}{r^2 + r2^2}}\left(-r^2 - r2^2 +\right.\right.\right.$$

$$\left. r^2\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}{r^2 + r2^2}} + r2^2\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}{r^2 + r2^2}}\right)$$

$$\left.\mathrm{Cos}[\lambda 2]\,(-1 + 2\, \mathrm{Cos}[2\, \lambda 2])\right) \Big/ \left(r\, r2\sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}\right) +$$

$$\frac{1}{2\, r\, r2}\left(\left(2\left(r^2 - 2\, r\, r2 + r2^2\right)\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}{r^2 - 2\, r\, r2 + r2^2}}\right.\right.$$

$$\left.\mathrm{EllipticE}\Big[\frac{\theta 2}{2}, -\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\Big]\right) \Big/$$

$$\left(\sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}\right) - \left(2\left(r^2 + r2^2\right)\right.$$

$$\left.\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}{r^2 - 2\, r\, r2 + r2^2}}\ \mathrm{EllipticF}\Big[\frac{\theta 2}{2}, -\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\Big]\right) \Big/$$

$$\left.\left.\left(\sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}\right)\right)\mathrm{Sin}[3\, \lambda 2]\right)\Bigg) -$$

$$\frac{1}{r^2\left(r^2-r2^2\right)}\,8\,r2^5\left(\mathrm{Cos}[\lambda]\,(-1+2\,\mathrm{Cos}[2\,\lambda])\left(-\frac{1}{2\,r\,r2}\,\mathrm{Cos}[3\,\lambda2]\right.\right.$$

$$\left(\left(2\left(r^2-2\,r\,r2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta2]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticE}\Big[\right.\right.$$

$$\left.\left.\frac{\theta2}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta2]}\right)-$$

$$\left(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta2]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticF}\Big[\frac{\theta2}{2},\right.$$

$$\left.-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta2]}\right)\Bigg)+$$

$$\left(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta2]}{r^2+r2^2}}\left(-r^2-r2^2+r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta2]}{r^2+r2^2}}+\right.\right.$$

$$\left.r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta2]}{r^2+r2^2}}\right)(1+2\,\mathrm{Cos}[2\,\lambda2])$$

$$\left.\mathrm{Sin}[\lambda2]\right)\Big/\left(r\,r2\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta2]}\right)\Bigg)-$$

$$(1+2\,\mathrm{Cos}[2\,\lambda])\,\mathrm{Sin}[\lambda]\left(\left(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta2]}{r^2+r2^2}}\left(-r^2-r2^2+\right.\right.\right.$$

$$\left.r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta2]}{r^2+r2^2}}+r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta2]}{r^2+r2^2}}\right)$$

$$\left.\mathrm{Cos}[\lambda2]\,(-1+2\,\mathrm{Cos}[2\,\lambda2])\right)\Big/\left(r\,r2\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta2]}\right)+$$

$$\frac{1}{2\,r\,r2}\left(\left(2\left(r^2-2\,r\,r2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta2]}{r^2-2\,r\,r2+r2^2}}\right.\right.$$

$$\left.\mathrm{EllipticE}\Big[\frac{\theta2}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\right)\Big/$$

$$\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta2]}\right)-\left(2\left(r^2+r2^2\right)\right.$$

$$\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta2]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticF}\left[\frac{\theta2}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\Bigg)\Bigg/$$

$$\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta2]}\right)\Bigg)\,\mathrm{Sin}[3\,\lambda2]\Bigg)\Bigg)+$$

$$\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta2]}\;\Bigg(-\frac{1}{r^2-r1^2}\,32\,(2\,r1\,\mathrm{Cos}[3\,\lambda-3\,\lambda1]+r$$

$$\mathrm{Cos}[\theta2+3\,\lambda-3\,\lambda1]+r\,\mathrm{Cos}[\theta2-3\,\lambda+3\,\lambda1]-2\,r1\,\mathrm{Cos}[3\,\lambda-3\,\lambda2]-r$$

$$\mathrm{Cos}[\theta2+3\,\lambda-3\,\lambda2]-r\,\mathrm{Cos}[\theta2-3\,\lambda+3\,\lambda2])\,\mathrm{Csc}[\theta2]-$$

$$(2\,(15\,r^2\,r1^3\,\mathrm{Sin}[\theta2+3\,\lambda-3\,\lambda1]+5\,r1^5\,\mathrm{Sin}[\theta2+3\,\lambda-3\,\lambda1]-3\,r^2\,r1^3$$

$$\mathrm{Sin}[\theta2+\lambda-\lambda1]+15\,r1^5\,\mathrm{Sin}[\theta2+\lambda-\lambda1]-3\,r^2\,r1^3\,\mathrm{Sin}[\theta2-\lambda+\lambda1]+$$

$$15\,r1^5\,\mathrm{Sin}[\theta2-\lambda+\lambda1]+15\,r^2\,r1^3\,\mathrm{Sin}[\theta2-3\,\lambda+3\,\lambda1]+5\,r1^5$$

$$\mathrm{Sin}[\theta2-3\,\lambda+3\,\lambda1]-15\,r^2\,r1^3\,\mathrm{Sin}[\theta2+3\,\lambda-3\,\lambda2]-5\,r1^5$$

$$\mathrm{Sin}[\theta2+3\,\lambda-3\,\lambda2]+3\,r^2\,r1^3\,\mathrm{Sin}[\theta2+\lambda-\lambda2]-15\,r1^5$$

$$\mathrm{Sin}[\theta2+\lambda-\lambda2]+3\,r^2\,r1^3\,\mathrm{Sin}[\theta2-\lambda+\lambda2]-15\,r1^5\,\mathrm{Sin}[\theta2-\lambda+\lambda2]-$$

$$15\,r^2\,r1^3\,\mathrm{Sin}[\theta2-3\,\lambda+3\,\lambda2]-5\,r1^5\,\mathrm{Sin}[\theta2-3\,\lambda+3\,\lambda2]))\Big/$$

$$(r^2\,(r^2-r1^2)\,(-r^2-r1^2+2\,r\,r1\,\mathrm{Cos}[\theta2]))-$$

$$\frac{1}{r^2\,(-r^2-r1^2+2\,r\,r1\,\mathrm{Cos}[\theta2])^2}\,2$$

$$(r^2\,r1^3\,\mathrm{Sin}[\theta2+3\,\lambda-3\,\lambda1]-r1^5\,\mathrm{Sin}[\theta2+3\,\lambda-3\,\lambda1]+$$

$$3\,r^2\,r1^3\,\mathrm{Sin}[\theta2+\lambda-\lambda1]-3\,r1^5\,\mathrm{Sin}[\theta2+\lambda-\lambda1]+$$

$$3\,r^2\,r1^3\,\mathrm{Sin}[\theta2-\lambda+\lambda1]-3\,r1^5\,\mathrm{Sin}[\theta2-\lambda+\lambda1]+$$

$$r^2\,r1^3\,\mathrm{Sin}[\theta2-3\,\lambda+3\,\lambda1]-r1^5\,\mathrm{Sin}[\theta2-3\,\lambda+3\,\lambda1]-$$

$$r^2\,r1^3\,\mathrm{Sin}[\theta2+3\,\lambda-3\,\lambda2]+r1^5\,\mathrm{Sin}[\theta2+3\,\lambda-3\,\lambda2]-$$

$$3\,r^2\,r1^3\,\mathrm{Sin}[\theta2+\lambda-\lambda2]+3\,r1^5\,\mathrm{Sin}[\theta2+\lambda-\lambda2]-$$

$$3\,r^2\,r1^3\,\mathrm{Sin}[\theta2-\lambda+\lambda2]+3\,r1^5\,\mathrm{Sin}[\theta2-\lambda+\lambda2]-$$

$$r^2\,r1^3\,\mathrm{Sin}[\theta2-3\,\lambda+3\,\lambda2]+r1^5\,\mathrm{Sin}[\theta2-3\,\lambda+3\,\lambda2])\Bigg)+$$

$$\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta2]}\;\Bigg(\frac{1}{r^2-r2^2}\,32\,(2\,r2\,\mathrm{Cos}[3\,\lambda-3\,\lambda1]+$$

$$r\,\mathrm{Cos}[\theta2+3\,\lambda-3\,\lambda1]+r\,\mathrm{Cos}[\theta2-3\,\lambda+3\,\lambda1]-2\,r2\,\mathrm{Cos}[3\,\lambda-3\,\lambda2]-$$

$$r\,\mathrm{Cos}[\theta2+3\,\lambda-3\,\lambda2]-r\,\mathrm{Cos}[\theta2-3\,\lambda+3\,\lambda2])\,\mathrm{Csc}[\theta2]+$$

$$(2\,(15\,r^2\,r2^3\,\mathrm{Sin}[\theta2+3\,\lambda-3\,\lambda1]+5\,r2^5\,\mathrm{Sin}[\theta2+3\,\lambda-3\,\lambda1]-3\,r^2\,r2^3$$

$$\mathrm{Sin}[\theta2+\lambda-\lambda1]+15\,r2^5\,\mathrm{Sin}[\theta2+\lambda-\lambda1]-3\,r^2\,r2^3\,\mathrm{Sin}[\theta2-\lambda+\lambda1]+$$

$$15\,r2^5\,\mathrm{Sin}[\theta2-\lambda+\lambda1]+15\,r^2\,r2^3\,\mathrm{Sin}[\theta2-3\,\lambda+3\,\lambda1]+5\,r2^5$$

$$\mathrm{Sin}[\theta2-3\,\lambda+3\,\lambda1]-15\,r^2\,r2^3\,\mathrm{Sin}[\theta2+3\,\lambda-3\,\lambda2]-5\,r2^5$$

$$\mathrm{Sin}[\theta2+3\,\lambda-3\,\lambda2]+3\,r^2\,r2^3\,\mathrm{Sin}[\theta2+\lambda-\lambda2]-15\,r2^5$$

$$\mathrm{Sin}[\theta2+\lambda-\lambda2]+3\,r^2\,r2^3\,\mathrm{Sin}[\theta2-\lambda+\lambda2]-15\,r2^5\,\mathrm{Sin}[\theta2-\lambda+\lambda2]-$$

$$15\,r^2\,r2^3\,\mathrm{Sin}[\theta2-3\,\lambda+3\,\lambda2]-5\,r2^5\,\mathrm{Sin}[\theta2-3\,\lambda+3\,\lambda2]))\Big/$$

$$(r^2\,(r^2-r2^2)\,(-r^2-r2^2+2\,r\,r2\,\mathrm{Cos}[\theta2]))+$$

$$\frac{1}{r^2\left(-r^2-r2^2+2\,r\,r2\,\mathrm{Cos}[\theta 2]\right)^2}\,2\,\Big(r^2\,r2^3\,\mathrm{Sin}[\theta 2+3\,\lambda-3\,\lambda 1]-r2^5\,\mathrm{Sin}[\theta 2+3\,\lambda-3\,\lambda 1]+3\,r^2\,r2^3\,\mathrm{Sin}[\theta 2+\lambda-\lambda 1]-3\,r2^5\,\mathrm{Sin}[\theta 2+\lambda-\lambda 1]+3\,r^2\,r2^3\,\mathrm{Sin}[\theta 2-\lambda+\lambda 1]-3\,r2^5\,\mathrm{Sin}[\theta 2-\lambda+\lambda 1]+r^2\,r2^3\,\mathrm{Sin}[\theta 2-3\,\lambda+3\,\lambda 1]-r2^5\,\mathrm{Sin}[\theta 2-3\,\lambda+3\,\lambda 1]-r^2\,r2^3\,\mathrm{Sin}[\theta 2+3\,\lambda-3\,\lambda 2]+r2^5\,\mathrm{Sin}[\theta 2+3\,\lambda-3\,\lambda 2]-3\,r^2\,r2^3\,\mathrm{Sin}[\theta 2+\lambda-\lambda 2]+3\,r2^5\,\mathrm{Sin}[\theta 2+\lambda-\lambda 2]-3\,r^2\,r2^3\,\mathrm{Sin}[\theta 2-\lambda+\lambda 2]+3\,r2^5\,\mathrm{Sin}[\theta 2-\lambda+\lambda 2]-r^2\,r2^3\,\mathrm{Sin}[\theta 2-3\,\lambda+3\,\lambda 2]+r2^5\,\mathrm{Sin}[\theta 2-3\,\lambda+3\,\lambda 2]\Big)\Big)\Big)$$

In[ ]:=
```
VxxySphericalZonalBand = Vxxy[0, 2 * Pi, θ1, θ2]
```
Out[ ]=

0

In[ ]:=
```
VxxySphericalShell = Vxxy[0, 2 * Pi, 0, Pi]
```

Infinity : Indeterminate expression 0 ComplexInfinity encountered.

Infinity : Indeterminate expression 0 ComplexInfinity encountered.

Infinity : Indeterminate expression 0 ComplexInfinity encountered.

General : Further output of Infinity::indet will be suppressed during this calculation.

Out[ ]=

Indeterminate

3. Vxyz

In[ ]:=

$$\mathrm{FullSimplify}\left[\int r3^2\,\mathrm{Sin}[\theta 3]\left((15*(-r3\,\mathrm{Cos}[\lambda-\lambda 3]\,\mathrm{Sin}[\theta 3])*(-r3\,\mathrm{Sin}[\theta 3]\,\mathrm{Sin}[\lambda-\lambda 3])*(-r+r3\,\mathrm{Cos}[\theta 3]))\Big/\left(\sqrt{r^2+r3^2-2*r*r3*\mathrm{Cos}[\theta 3]}\right)^7\right)d\lambda 3\right]$$

Out[ ]=

$$\frac{15\,r3^4\,(-r+r3\,\mathrm{Cos}[\theta 3])\,\mathrm{Cos}[2\,(\lambda-\lambda 3)]\,\mathrm{Sin}[\theta 3]^3}{4\left(r^2+r3^2-2\,r\,r3\,\mathrm{Cos}[\theta 3]\right)^{7/2}}$$

In[ ]:=

$$\mathrm{Vxyz}\lambda 3[\lambda 3_] := \frac{15\,r3^4\,(-r+r3\,\mathrm{Cos}[\theta 3])\,\mathrm{Cos}[2\,(\lambda-\lambda 3)]\,\mathrm{Sin}[\theta 3]^3}{4\left(r^2+r3^2-2\,r\,r3\,\mathrm{Cos}[\theta 3]\right)^{7/2}}$$

In[ ]:=
```
FullSimplify[Vxyzλ3[λ2] - Vxyzλ3[λ1]]
```
Out[ ]=

$$\frac{15\,r3^4\,(r-r3\,\mathrm{Cos}[\theta 3])\,\mathrm{Sin}[\theta 3]^3\,\mathrm{Sin}[2\,\lambda-\lambda 1-\lambda 2]\,\mathrm{Sin}[\lambda 1-\lambda 2]}{2\left(r^2+r3^2-2\,r\,r3\,\mathrm{Cos}[\theta 3]\right)^{7/2}}$$

In[ ]:=
```
FullSimplify[∫((15 r3^4 (r - r3 Cos[θ3]) Sin[θ3]^3 Sin[2 λ - λ1 - λ2] Sin[λ1 - λ2])/(2 (r^2 + r3^2 - 2 r r3 Cos[θ3])^(7/2)) dθ3]
```

Out[ ]=

$$-\left(\left(r3\left(15\left(r^2+3\,r3^2\right)-\frac{3\left(r^2-r3^2\right)^3}{\left(r^2+r3^2-2\,r\,r3\,\mathrm{Cos}[\theta3]\right)^2}+\frac{5\left(r^4+2\,r^2\,r3^2-3\,r3^4\right)}{r^2+r3^2-2\,r\,r3\,\mathrm{Cos}[\theta3]}+15\left(r^2+r3^2\right)\sqrt{1-\frac{2\,r\,r3\,\mathrm{Cos}[\theta3]}{r^2+r3^2}}\left(-1+\sqrt{1-\frac{2\,r\,r3\,\mathrm{Cos}[\theta3]}{r^2+r3^2}}\right)\right)\mathrm{Sin}[2\,\lambda-\lambda1-\lambda2]\,\mathrm{Sin}[\lambda1-\lambda2]\right)\Big/\left(16\,r^4\sqrt{r^2+r3^2-2\,r\,r3\,\mathrm{Cos}[\theta3]}\right)\right)$$

In[ ]:=
```
Vxyzθ3[θ3_] :=
```

$$-\left(\left(r3\left(15\left(r^2+3\,r3^2\right)-\frac{3\left(r^2-r3^2\right)^3}{\left(r^2+r3^2-2\,r\,r3\,\mathrm{Cos}[\theta3]\right)^2}+\frac{5\left(r^4+2\,r^2\,r3^2-3\,r3^4\right)}{r^2+r3^2-2\,r\,r3\,\mathrm{Cos}[\theta3]}+15\left(r^2+r3^2\right)\sqrt{1-\frac{2\,r\,r3\,\mathrm{Cos}[\theta3]}{r^2+r3^2}}\left(-1+\sqrt{1-\frac{2\,r\,r3\,\mathrm{Cos}[\theta3]}{r^2+r3^2}}\right)\right)\mathrm{Sin}[2\,\lambda-\lambda1-\lambda2]\,\mathrm{Sin}[\lambda1-\lambda2]\right)\Big/\left(16\,r^4\sqrt{r^2+r3^2-2\,r\,r3\,\mathrm{Cos}[\theta3]}\right)\right)$$

In[ ]:=
```
Simplify[Vxyzθ3[θ2] - Vxyzθ3[θ1]]
```

Out[ ]=

$$\frac{1}{16\,r^4}\,r3\left(\left(15\left(r^2+3\,r3^2\right)-\frac{3\left(r^2-r3^2\right)^3}{\left(r^2+r3^2-2\,r\,r3\,\mathrm{Cos}[\theta1]\right)^2}+\frac{5\left(r^4+2\,r^2\,r3^2-3\,r3^4\right)}{r^2+r3^2-2\,r\,r3\,\mathrm{Cos}[\theta1]}+15\left(r^2+r3^2\right)\sqrt{\frac{r^2+r3^2-2\,r\,r3\,\mathrm{Cos}[\theta1]}{r^2+r3^2}}\left(-1+\sqrt{\frac{r^2+r3^2-2\,r\,r3\,\mathrm{Cos}[\theta1]}{r^2+r3^2}}\right)\right)\Big/\left(\sqrt{r^2+r3^2-2\,r\,r3\,\mathrm{Cos}[\theta1]}\right)-\left(15\left(r^2+3\,r3^2\right)-\frac{3\left(r^2-r3^2\right)^3}{\left(r^2+r3^2-2\,r\,r3\,\mathrm{Cos}[\theta2]\right)^2}+\frac{5\left(r^4+2\,r^2\,r3^2-3\,r3^4\right)}{r^2+r3^2-2\,r\,r3\,\mathrm{Cos}[\theta2]}+15\left(r^2+r3^2\right)\sqrt{\frac{r^2+r3^2-2\,r\,r3\,\mathrm{Cos}[\theta2]}{r^2+r3^2}}\left(-1+\sqrt{\frac{r^2+r3^2-2\,r\,r3\,\mathrm{Cos}[\theta2]}{r^2+r3^2}}\right)\right)\Big/\left(\sqrt{r^2+r3^2-2\,r\,r3\,\mathrm{Cos}[\theta2]}\right)\right)\mathrm{Sin}[2\,\lambda-\lambda1-\lambda2]\,\mathrm{Sin}[\lambda1-\lambda2]$$

In[ ]:=
```
Simplify[
 ∫(1/(16 r^4) r3 (((15 (r^2 + 3 r3^2) - (3 (r^2 - r3^2)^3)/((r^2 + r3^2 - 2 r r3 Cos[θ1])^2) + (5 (r^4 + 2 r^2 r3^2 - 3 r3^4))/(r^2 + r3^2 - 2 r r3 Cos[θ1]) +
      15 (r^2 + r3^2) Sqrt[(r^2 + r3^2 - 2 r r3 Cos[θ1])/(r^2 + r3^2)]
       (-1 + Sqrt[(r^2 + r3^2 - 2 r r3 Cos[θ1])/(r^2 + r3^2)]))/(Sqrt[r^2 + r3^2 - 2 r r3 Cos[θ1]]) -
    ((15 (r^2 + 3 r3^2) - (3 (r^2 - r3^2)^3)/((r^2 + r3^2 - 2 r r3 Cos[θ2])^2) + (5 (r^4 + 2 r^2 r3^2 - 3 r3^4))/(r^2 + r3^2 - 2 r r3 Cos[θ2]) +
      15 (r^2 + r3^2) Sqrt[(r^2 + r3^2 - 2 r r3 Cos[θ2])/(r^2 + r3^2)] (-1 + Sqrt[(r^2 + r3^2 - 2 r r3 Cos[θ2])/(r^2 + r3^2)]))/
     (Sqrt[r^2 + r3^2 - 2 r r3 Cos[θ2]])) Sin[2 λ - λ1 - λ2] Sin[λ1 - λ2]) dr3]
```

Out[ ]=

$$\frac{1}{16\,r^4}\left(-\frac{5\left(r^2+r3^2-2\,r\,r3\,\mathrm{Cos}[\theta1]\right)^{3/2}}{\left(\frac{r^2+r3^2-2\,r\,r3\,\mathrm{Cos}[\theta1]}{r^2+r3^2}\right)^{3/2}}+\frac{8\,r3^2\left(2\,r^4+5\,r^2\,r3^2+2\,r3^4-6\,r\,r3\left(r^2+r3^2\right)\mathrm{Cos}[\theta1]+3\,r^2\,r3^2\,\mathrm{Cos}[\theta1]^2\right)}{\left(r^2+r3^2-2\,r\,r3\,\mathrm{Cos}[\theta1]\right)^{3/2}}+\frac{5\left(r^2+r3^2-2\,r\,r3\,\mathrm{Cos}[\theta2]\right)^{3/2}}{\left(\frac{r^2+r3^2-2\,r\,r3\,\mathrm{Cos}[\theta2]}{r^2+r3^2}\right)^{3/2}}-\frac{8\,r3^2\left(2\,r^4+5\,r^2\,r3^2+2\,r3^4-6\,r\,r3\left(r^2+r3^2\right)\mathrm{Cos}[\theta2]+3\,r^2\,r3^2\,\mathrm{Cos}[\theta2]^2\right)}{\left(r^2+r3^2-2\,r\,r3\,\mathrm{Cos}[\theta2]\right)^{3/2}}\right)$$

$$\mathrm{Sin}[2\,\lambda-\lambda1-\lambda2]\,\mathrm{Sin}[\lambda1-\lambda2]$$

In[ ]:=
$$\text{Vxyzr3[r3_]} := \frac{1}{16\,r^4}\left(-\frac{5\left(r^2+r3^2-2\,r\,r3\,\text{Cos}[\theta 1]\right)^{3/2}}{\left(\frac{r^2+r3^2-2\,r\,r3\,\text{Cos}[\theta 1]}{r^2+r3^2}\right)^{3/2}}+\frac{8\,r3^2\left(2\,r^4+5\,r^2\,r3^2+2\,r3^4-6\,r\,r3\left(r^2+r3^2\right)\text{Cos}[\theta 1]+3\,r^2\,r3^2\,\text{Cos}[\theta 1]^2\right)}{\left(r^2+r3^2-2\,r\,r3\,\text{Cos}[\theta 1]\right)^{3/2}}+\frac{5\left(r^2+r3^2-2\,r\,r3\,\text{Cos}[\theta 2]\right)^{3/2}}{\left(\frac{r^2+r3^2-2\,r\,r3\,\text{Cos}[\theta 2]}{r^2+r3^2}\right)^{3/2}}-\frac{8\,r3^2\left(2\,r^4+5\,r^2\,r3^2+2\,r3^4-6\,r\,r3\left(r^2+r3^2\right)\text{Cos}[\theta 2]+3\,r^2\,r3^2\,\text{Cos}[\theta 2]^2\right)}{\left(r^2+r3^2-2\,r\,r3\,\text{Cos}[\theta 2]\right)^{3/2}}\right)$$
$$\text{Sin}[2\,\lambda-\lambda 1-\lambda 2]\,\text{Sin}[\lambda 1-\lambda 2]$$

In[ ]:=
```
G * rho * (Vxyzr3[r2] - Vxyzr3[r1])
```

Out[ ]=
$$\text{G rho}\left(-\frac{1}{16\,r^4}\left(-\frac{5\left(r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 1]\right)^{3/2}}{\left(\frac{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 1]}{r^2+r1^2}\right)^{3/2}}+\frac{8\,r1^2\left(2\,r^4+5\,r^2\,r1^2+2\,r1^4-6\,r\,r1\left(r^2+r1^2\right)\text{Cos}[\theta 1]+3\,r^2\,r1^2\,\text{Cos}[\theta 1]^2\right)}{\left(r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 1]\right)^{3/2}}+\frac{5\left(r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 2]\right)^{3/2}}{\left(\frac{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 2]}{r^2+r1^2}\right)^{3/2}}-\frac{8\,r1^2\left(2\,r^4+5\,r^2\,r1^2+2\,r1^4-6\,r\,r1\left(r^2+r1^2\right)\text{Cos}[\theta 2]+3\,r^2\,r1^2\,\text{Cos}[\theta 2]^2\right)}{\left(r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 2]\right)^{3/2}}\right)\text{Sin}[2\,\lambda-\lambda 1-\lambda 2]\,\text{Sin}[\lambda 1-\lambda 2]+\frac{1}{16\,r^4}\left(-\frac{5\left(r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 1]\right)^{3/2}}{\left(\frac{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 1]}{r^2+r2^2}\right)^{3/2}}+\frac{8\,r2^2\left(2\,r^4+5\,r^2\,r2^2+2\,r2^4-6\,r\,r2\left(r^2+r2^2\right)\text{Cos}[\theta 1]+3\,r^2\,r2^2\,\text{Cos}[\theta 1]^2\right)}{\left(r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 1]\right)^{3/2}}+\frac{5\left(r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 2]\right)^{3/2}}{\left(\frac{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 2]}{r^2+r2^2}\right)^{3/2}}-\frac{8\,r2^2\left(2\,r^4+5\,r^2\,r2^2+2\,r2^4-6\,r\,r2\left(r^2+r2^2\right)\text{Cos}[\theta 2]+3\,r^2\,r2^2\,\text{Cos}[\theta 2]^2\right)}{\left(r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 2]\right)^{3/2}}\right)\text{Sin}[2\,\lambda-\lambda 1-\lambda 2]\,\text{Sin}[\lambda 1-\lambda 2]\right)$$

In[ ]:=
```
Vxyz[λ1_, λ2_, θ1_, θ2_] := G rho (-1/(16 r^4) (-(5 (r^2 + r1^2 - 2 r r1 Cos[θ1])^(3/2))/(((r^2+r1^2-2 r r1 Cos[θ1])/(r^2+r1^2))^(3/2)) +
    (8 r1^2 (2 r^4 + 5 r^2 r1^2 + 2 r1^4 - 6 r r1 (r^2 + r1^2) Cos[θ1] + 3 r^2 r1^2 Cos[θ1]^2))/(r^2 + r1^2 - 2 r r1 Cos[θ1])^(3/2) +
    (5 (r^2 + r1^2 - 2 r r1 Cos[θ2])^(3/2))/((r^2+r1^2-2 r r1 Cos[θ2])/(r^2+r1^2))^(3/2) -
    (8 r1^2 (2 r^4 + 5 r^2 r1^2 + 2 r1^4 - 6 r r1 (r^2 + r1^2) Cos[θ2] + 3 r^2 r1^2 Cos[θ2]^2))/(r^2 + r1^2 - 2 r r1 Cos[θ2])^(3/2))
  Sin[2 λ - λ1 - λ2] Sin[λ1 - λ2] + 1/(16 r^4) (-(5 (r^2 + r2^2 - 2 r r2 Cos[θ1])^(3/2))/((r^2+r2^2-2 r r2 Cos[θ1])/(r^2+r2^2))^(3/2) +
    (8 r2^2 (2 r^4 + 5 r^2 r2^2 + 2 r2^4 - 6 r r2 (r^2 + r2^2) Cos[θ1] + 3 r^2 r2^2 Cos[θ1]^2))/(r^2 + r2^2 - 2 r r2 Cos[θ1])^(3/2) +
    (5 (r^2 + r2^2 - 2 r r2 Cos[θ2])^(3/2))/((r^2+r2^2-2 r r2 Cos[θ2])/(r^2+r2^2))^(3/2) -
    (8 r2^2 (2 r^4 + 5 r^2 r2^2 + 2 r2^4 - 6 r r2 (r^2 + r2^2) Cos[θ2] + 3 r^2 r2^2 Cos[θ2]^2))/(r^2 + r2^2 - 2 r r2 Cos[θ2])^(3/2))
  Sin[2 λ - λ1 - λ2] Sin[λ1 - λ2])
```

In[ ]:=
```
VxyzSphericalZonalBand = Vxyz[0, 2 * Pi, θ1, θ2]
```

Out[ ]=

0

In[ ]:=
```
VxyzSphericalShell = Vxyz[0, 2 * Pi, 0, Pi]
```

Out[ ]=

0

4. Vyyx

In[ ]:=
```
FullSimplify[
 ∫ r3^2 Sin[θ3] (15 * (-r3 Sin[θ3] Sin[λ - λ3])^2 * (-r3 Cos[λ - λ3] Sin[θ3]) / (Sqrt[r^2 + r3^2 - 2 * r * r3 * Cos[θ3]])^7 -
    3 * (-r3 Cos[λ - λ3] Sin[θ3]) / (Sqrt[r^2 + r3^2 - 2 * r * r3 * Cos[θ3]])^5) dλ3]
```

Out[ ]=

$$\frac{r3^3\,\mathrm{Sin}[\theta 3]^2\,\mathrm{Sin}[\lambda-\lambda 3]\,\left(-3\left(r^2+r3^2\right)+6\,r\,r3\,\mathrm{Cos}[\theta 3]+5\,r3^2\,\mathrm{Sin}[\theta 3]^2\,\mathrm{Sin}[\lambda-\lambda 3]^2\right)}{\left(r^2+r3^2-2\,r\,r3\,\mathrm{Cos}[\theta 3]\right)^{7/2}}$$

In[ ]:=
```
Vyyxλ3[λ3_] :=
 r3^3 Sin[θ3]^2 Sin[λ - λ3] (-3 (r^2 + r3^2) + 6 r r3 Cos[θ3] + 5 r3^2 Sin[θ3]^2 Sin[λ - λ3]^2) / (r^2 + r3^2 - 2 r r3 Cos[θ3])^(7/2)
```

In[ ]:=
```
FullSimplify[Vyyxλ3[λ2] - Vyyxλ3[λ1]]
```

Out[ ]=

$$-\frac{1}{\left(r^2+r3^2-2\,r\,r3\,\mathrm{Cos}[\theta 3]\right)^{7/2}}\,r3^3\,\mathrm{Sin}[\theta 3]^2\,(\mathrm{Sin}[\lambda-\lambda 1]-\mathrm{Sin}[\lambda-\lambda 2])\,\left(-3\left(r^2+r3^2\right)+6\,r\,r3\,\mathrm{Cos}[\theta 3]+5\,r3^2\,\mathrm{Sin}[\theta 3]^2\left(\mathrm{Sin}[\lambda-\lambda 1]^2+\mathrm{Sin}[\lambda-\lambda 1]\,\mathrm{Sin}[\lambda-\lambda 2]+\mathrm{Sin}[\lambda-\lambda 2]^2\right)\right)$$

In[ ]:=
```
FullSimplify[∫(-1/(r^2 + r3^2 - 2 r r3 Cos[θ3])^(7/2)
    r3^3 Sin[θ3]^2 (Sin[λ - λ1] - Sin[λ - λ2]) (-3 (r^2 + r3^2) + 6 r r3 Cos[θ3] +
      5 r3^2 Sin[θ3]^2 (Sin[λ - λ1]^2 + Sin[λ - λ1] Sin[λ - λ2] + Sin[λ - λ2]^2)) ⅆr3]
```

Out[ ]=
```
                    1
-----------------------------------------------------
96 r (r^2 + r3^2 - 2 r r3 Cos[θ3])^(5/2)
 Csc[θ3]^2 (72 r3^4 (r - r3 Cos[θ3]) Cos[λ1] Sin[θ3]^4 Sin[λ] +
    72 r3^4 (-r + r3 Cos[θ3]) Cos[λ2] Sin[θ3]^4 Sin[λ] +
    (-r + r3 Cos[θ3]) (64 r^4 + 272 r^2 r3^2 + 89 r3^4 - 16 r r3 (16 r^2 + 17 r3^2) Cos[θ3] -
       28 r3^2 (-4 r^2 + r3^2) Cos[2 θ3] + 16 r r3^3 Cos[3 θ3] + 3 r3^4 Cos[4 θ3])
     Cos[λ1] (-1 + 2 Cos[2 λ1]) Sin[3 λ] + (r - r3 Cos[θ3])
     (64 r^4 + 272 r^2 r3^2 + 89 r3^4 - 16 r r3 (16 r^2 + 17 r3^2) Cos[θ3] -
       28 r3^2 (-4 r^2 + r3^2) Cos[2 θ3] + 16 r r3^3 Cos[3 θ3] + 3 r3^4 Cos[4 θ3]) Cos[λ2]
     (-1 + 2 Cos[2 λ2]) Sin[3 λ] + 72 r3^4 (-r + r3 Cos[θ3]) Cos[λ] Sin[θ3]^4 Sin[λ1] +
    (r - r3 Cos[θ3]) (64 r^4 + 272 r^2 r3^2 + 89 r3^4 - 16 r r3 (16 r^2 + 17 r3^2) Cos[θ3] -
       28 r3^2 (-4 r^2 + r3^2) Cos[2 θ3] + 16 r r3^3 Cos[3 θ3] + 3 r3^4 Cos[4 θ3]) Cos[λ]
     (-1 + 2 Cos[2 λ]) Sin[3 λ1] + 72 r3^4 (r - r3 Cos[θ3]) Cos[λ] Sin[θ3]^4 Sin[λ2] +
    (-r + r3 Cos[θ3]) (64 r^4 + 272 r^2 r3^2 + 89 r3^4 - 16 r r3 (16 r^2 + 17 r3^2) Cos[θ3] -
       28 r3^2 (-4 r^2 + r3^2) Cos[2 θ3] + 16 r r3^3 Cos[3 θ3] + 3 r3^4 Cos[4 θ3])
     Cos[λ] (-1 + 2 Cos[2 λ]) Sin[3 λ2])
```

In[ ]:=
```
Vyyxr3[r3_] := 1/(96 r (r^2 + r3^2 - 2 r r3 Cos[θ3])^(5/2))
  Csc[θ3]^2 (72 r3^4 (r - r3 Cos[θ3]) Cos[λ1] Sin[θ3]^4 Sin[λ] +
    72 r3^4 (-r + r3 Cos[θ3]) Cos[λ2] Sin[θ3]^4 Sin[λ] +
    (-r + r3 Cos[θ3]) (64 r^4 + 272 r^2 r3^2 + 89 r3^4 - 16 r r3 (16 r^2 + 17 r3^2) Cos[θ3] -
       28 r3^2 (-4 r^2 + r3^2) Cos[2 θ3] + 16 r r3^3 Cos[3 θ3] + 3 r3^4 Cos[4 θ3])
     Cos[λ1] (-1 + 2 Cos[2 λ1]) Sin[3 λ] + (r - r3 Cos[θ3])
     (64 r^4 + 272 r^2 r3^2 + 89 r3^4 - 16 r r3 (16 r^2 + 17 r3^2) Cos[θ3] -
       28 r3^2 (-4 r^2 + r3^2) Cos[2 θ3] + 16 r r3^3 Cos[3 θ3] + 3 r3^4 Cos[4 θ3]) Cos[λ2]
     (-1 + 2 Cos[2 λ2]) Sin[3 λ] + 72 r3^4 (-r + r3 Cos[θ3]) Cos[λ] Sin[θ3]^4 Sin[λ1] +
    (r - r3 Cos[θ3]) (64 r^4 + 272 r^2 r3^2 + 89 r3^4 - 16 r r3 (16 r^2 + 17 r3^2) Cos[θ3] -
       28 r3^2 (-4 r^2 + r3^2) Cos[2 θ3] + 16 r r3^3 Cos[3 θ3] + 3 r3^4 Cos[4 θ3]) Cos[λ]
     (-1 + 2 Cos[2 λ]) Sin[3 λ1] + 72 r3^4 (r - r3 Cos[θ3]) Cos[λ] Sin[θ3]^4 Sin[λ2] +
    (-r + r3 Cos[θ3]) (64 r^4 + 272 r^2 r3^2 + 89 r3^4 - 16 r r3 (16 r^2 + 17 r3^2) Cos[θ3] -
       28 r3^2 (-4 r^2 + r3^2) Cos[2 θ3] + 16 r r3^3 Cos[3 θ3] + 3 r3^4 Cos[4 θ3])
     Cos[λ] (-1 + 2 Cos[2 λ]) Sin[3 λ2])
```

In[ ]:=
```
Simplify[Vyyxr3[r2] - Vyyxr3[r1]]
```

Out[ ]=

$$\frac{1}{96\,r}\,\mathrm{Csc}[\theta 3]^2$$

$$\Bigg(-\frac{1}{\left(r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]\right)^{5/2}}\Big(72\,r1^4\,(r-r1\,\mathrm{Cos}[\theta 3])\,\mathrm{Cos}[\lambda 1]\,\mathrm{Sin}[\theta 3]^4\,\mathrm{Sin}[\lambda]+$$

$$72\,r1^4\,(-r+r1\,\mathrm{Cos}[\theta 3])\,\mathrm{Cos}[\lambda 2]\,\mathrm{Sin}[\theta 3]^4\,\mathrm{Sin}[\lambda]+$$

$$(-r+r1\,\mathrm{Cos}[\theta 3])\,\big(64\,r^4+272\,r^2\,r1^2+89\,r1^4-16\,r\,r1\,\left(16\,r^2+17\,r1^2\right)\mathrm{Cos}[\theta 3]-$$

$$28\,r1^2\,\left(-4\,r^2+r1^2\right)\mathrm{Cos}[2\,\theta 3]+16\,r\,r1^3\,\mathrm{Cos}[3\,\theta 3]+3\,r1^4\,\mathrm{Cos}[4\,\theta 3]\big)\,\mathrm{Cos}[\lambda 1]$$

$$(-1+2\,\mathrm{Cos}[2\,\lambda 1])\,\mathrm{Sin}[3\,\lambda]+(r-r1\,\mathrm{Cos}[\theta 3])\,\big(64\,r^4+272\,r^2\,r1^2+$$

$$89\,r1^4-16\,r\,r1\,\left(16\,r^2+17\,r1^2\right)\mathrm{Cos}[\theta 3]-28\,r1^2\,\left(-4\,r^2+r1^2\right)\mathrm{Cos}[2\,\theta 3]+$$

$$16\,r\,r1^3\,\mathrm{Cos}[3\,\theta 3]+3\,r1^4\,\mathrm{Cos}[4\,\theta 3]\big)\,\mathrm{Cos}[\lambda 2]\,(-1+2\,\mathrm{Cos}[2\,\lambda 2])\,\mathrm{Sin}[3\,\lambda]+$$

$$72\,r1^4\,(-r+r1\,\mathrm{Cos}[\theta 3])\,\mathrm{Cos}[\lambda]\,\mathrm{Sin}[\theta 3]^4\,\mathrm{Sin}[\lambda 1]+$$

$$(r-r1\,\mathrm{Cos}[\theta 3])\,\big(64\,r^4+272\,r^2\,r1^2+89\,r1^4-16\,r\,r1\,\left(16\,r^2+17\,r1^2\right)\mathrm{Cos}[\theta 3]-$$

$$28\,r1^2\,\left(-4\,r^2+r1^2\right)\mathrm{Cos}[2\,\theta 3]+16\,r\,r1^3\,\mathrm{Cos}[3\,\theta 3]+3\,r1^4\,\mathrm{Cos}[4\,\theta 3]\big)\,\mathrm{Cos}[\lambda]$$

$$(-1+2\,\mathrm{Cos}[2\,\lambda])\,\mathrm{Sin}[3\,\lambda 1]+72\,r1^4\,(r-r1\,\mathrm{Cos}[\theta 3])\,\mathrm{Cos}[\lambda]\,\mathrm{Sin}[\theta 3]^4\,\mathrm{Sin}[\lambda 2]+$$

$$(-r+r1\,\mathrm{Cos}[\theta 3])\,\big(64\,r^4+272\,r^2\,r1^2+89\,r1^4-16\,r\,r1\,\left(16\,r^2+17\,r1^2\right)\mathrm{Cos}[\theta 3]-$$

$$28\,r1^2\,\left(-4\,r^2+r1^2\right)\mathrm{Cos}[2\,\theta 3]+16\,r\,r1^3\,\mathrm{Cos}[3\,\theta 3]+3\,r1^4\,\mathrm{Cos}[4\,\theta 3]\big)$$

$$\mathrm{Cos}[\lambda]\,(-1+2\,\mathrm{Cos}[2\,\lambda])\,\mathrm{Sin}[3\,\lambda 2]\Big)+$$

$$\frac{1}{\left(r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]\right)^{5/2}}\Big(72\,r2^4\,(r-r2\,\mathrm{Cos}[\theta 3])\,\mathrm{Cos}[\lambda 1]\,\mathrm{Sin}[\theta 3]^4\,\mathrm{Sin}[\lambda]+$$

$$72\,r2^4\,(-r+r2\,\mathrm{Cos}[\theta 3])\,\mathrm{Cos}[\lambda 2]\,\mathrm{Sin}[\theta 3]^4\,\mathrm{Sin}[\lambda]+$$

$$(-r+r2\,\mathrm{Cos}[\theta 3])\,\big(64\,r^4+272\,r^2\,r2^2+89\,r2^4-16\,r\,r2\,\left(16\,r^2+17\,r2^2\right)\mathrm{Cos}[\theta 3]-$$

$$28\,r2^2\,\left(-4\,r^2+r2^2\right)\mathrm{Cos}[2\,\theta 3]+16\,r\,r2^3\,\mathrm{Cos}[3\,\theta 3]+3\,r2^4\,\mathrm{Cos}[4\,\theta 3]\big)$$

$$\mathrm{Cos}[\lambda 1]\,(-1+2\,\mathrm{Cos}[2\,\lambda 1])\,\mathrm{Sin}[3\,\lambda]+(r-r2\,\mathrm{Cos}[\theta 3])$$

$$\big(64\,r^4+272\,r^2\,r2^2+89\,r2^4-16\,r\,r2\,\left(16\,r^2+17\,r2^2\right)\mathrm{Cos}[\theta 3]-$$

$$28\,r2^2\,\left(-4\,r^2+r2^2\right)\mathrm{Cos}[2\,\theta 3]+16\,r\,r2^3\,\mathrm{Cos}[3\,\theta 3]+3\,r2^4\,\mathrm{Cos}[4\,\theta 3]\big)\,\mathrm{Cos}[\lambda 2]$$

$$(-1+2\,\mathrm{Cos}[2\,\lambda 2])\,\mathrm{Sin}[3\,\lambda]+72\,r2^4\,(-r+r2\,\mathrm{Cos}[\theta 3])\,\mathrm{Cos}[\lambda]\,\mathrm{Sin}[\theta 3]^4\,\mathrm{Sin}[\lambda 1]+$$

$$(r-r2\,\mathrm{Cos}[\theta 3])\,\big(64\,r^4+272\,r^2\,r2^2+89\,r2^4-16\,r\,r2\,\left(16\,r^2+17\,r2^2\right)\mathrm{Cos}[\theta 3]-$$

$$28\,r2^2\,\left(-4\,r^2+r2^2\right)\mathrm{Cos}[2\,\theta 3]+16\,r\,r2^3\,\mathrm{Cos}[3\,\theta 3]+3\,r2^4\,\mathrm{Cos}[4\,\theta 3]\big)\,\mathrm{Cos}[\lambda]$$

$$(-1+2\,\mathrm{Cos}[2\,\lambda])\,\mathrm{Sin}[3\,\lambda 1]+72\,r2^4\,(r-r2\,\mathrm{Cos}[\theta 3])\,\mathrm{Cos}[\lambda]\,\mathrm{Sin}[\theta 3]^4\,\mathrm{Sin}[\lambda 2]+$$

$$(-r+r2\,\mathrm{Cos}[\theta 3])\,\big(64\,r^4+272\,r^2\,r2^2+89\,r2^4-16\,r\,r2\,\left(16\,r^2+17\,r2^2\right)\mathrm{Cos}[\theta 3]-$$

$$28\,r2^2\,\left(-4\,r^2+r2^2\right)\mathrm{Cos}[2\,\theta 3]+16\,r\,r2^3\,\mathrm{Cos}[3\,\theta 3]+3\,r2^4\,\mathrm{Cos}[4\,\theta 3]\big)$$

$$\mathrm{Cos}[\lambda]\,(-1+2\,\mathrm{Cos}[2\,\lambda])\,\mathrm{Sin}[3\,\lambda 2]\Big)\Bigg)$$

In[ ]:=
$$\int\Bigg(\frac{1}{96\,r}\,\mathrm{Csc}[\theta 3]^2$$
$$\Bigg(-\frac{1}{\left(r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]\right)^{5/2}}\Big(72\,r1^4\,(r-r1\,\mathrm{Cos}[\theta 3])\,\mathrm{Cos}[\lambda 1]\,\mathrm{Sin}[\theta 3]^4\,\mathrm{Sin}[\lambda]+$$
$$72\,r1^4\,(-r+r1\,\mathrm{Cos}[\theta 3])\,\mathrm{Cos}[\lambda 2]\,\mathrm{Sin}[\theta 3]^4\,\mathrm{Sin}[\lambda]+$$
$$(-r+r1\,\mathrm{Cos}[\theta 3])\,\big(64\,r^4+272\,r^2\,r1^2+89\,r1^4-16\,r\,r1\,\left(16\,r^2+17\,r1^2\right)\mathrm{Cos}[\theta 3]-$$
$$28\,r1^2\,\left(-4\,r^2+r1^2\right)\mathrm{Cos}[2\,\theta 3]+16\,r\,r1^3\,\mathrm{Cos}[3\,\theta 3]+3\,r1^4\,\mathrm{Cos}[4\,\theta 3]\big)$$
$$\mathrm{Cos}[\lambda 1]\,(-1+2\,\mathrm{Cos}[2\,\lambda 1])\,\mathrm{Sin}[3\,\lambda]+(r-r1\,\mathrm{Cos}[\theta 3])\,\big(64\,r^4+272\,r^2\,r1^2+$$
$$89\,r1^4-16\,r\,r1\,\left(16\,r^2+17\,r1^2\right)\mathrm{Cos}[\theta 3]-28\,r1^2\,\left(-4\,r^2+r1^2\right)\mathrm{Cos}[2\,\theta 3]+$$
$$16\,r\,r1^3\,\mathrm{Cos}[3\,\theta 3]+3\,r1^4\,\mathrm{Cos}[4\,\theta 3]\big)\,\mathrm{Cos}[\lambda 2]\,(-1+2\,\mathrm{Cos}[2\,\lambda 2])\,\mathrm{Sin}[3\,\lambda]+$$
$$72\,r1^4\,(-r+r1\,\mathrm{Cos}[\theta 3])\,\mathrm{Cos}[\lambda]\,\mathrm{Sin}[\theta 3]^4\,\mathrm{Sin}[\lambda 1]+$$
$$(r-r1\,\mathrm{Cos}[\theta 3])\,\big(64\,r^4+272\,r^2\,r1^2+89\,r1^4-16\,r\,r1\,\left(16\,r^2+17\,r1^2\right)\mathrm{Cos}[\theta 3]-$$
$$28\,r1^2\,\left(-4\,r^2+r1^2\right)\mathrm{Cos}[2\,\theta 3]+16\,r\,r1^3\,\mathrm{Cos}[3\,\theta 3]+3\,r1^4\,\mathrm{Cos}[4\,\theta 3]\big)$$
$$\mathrm{Cos}[\lambda]\,(-1+2\,\mathrm{Cos}[2\,\lambda])\,\mathrm{Sin}[3\,\lambda 1]+72\,r1^4\,(r-r1\,\mathrm{Cos}[\theta 3])\,\mathrm{Cos}[\lambda]$$
$$\mathrm{Sin}[\theta 3]^4\,\mathrm{Sin}[\lambda 2]+(-r+r1\,\mathrm{Cos}[\theta 3])\,\big(64\,r^4+272\,r^2\,r1^2+89\,r1^4-$$
$$16\,r\,r1\,\left(16\,r^2+17\,r1^2\right)\mathrm{Cos}[\theta 3]-28\,r1^2\,\left(-4\,r^2+r1^2\right)\mathrm{Cos}[2\,\theta 3]+$$
$$16\,r\,r1^3\,\mathrm{Cos}[3\,\theta 3]+3\,r1^4\,\mathrm{Cos}[4\,\theta 3]\big)\,\mathrm{Cos}[\lambda]\,(-1+2\,\mathrm{Cos}[2\,\lambda])\,\mathrm{Sin}[3\,\lambda 2]\Big)+$$
$$\frac{1}{\left(r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]\right)^{5/2}}\Big(72\,r2^4\,(r-r2\,\mathrm{Cos}[\theta 3])\,\mathrm{Cos}[\lambda 1]\,\mathrm{Sin}[\theta 3]^4\,\mathrm{Sin}[\lambda]+$$
$$72\,r2^4\,(-r+r2\,\mathrm{Cos}[\theta 3])\,\mathrm{Cos}[\lambda 2]\,\mathrm{Sin}[\theta 3]^4\,\mathrm{Sin}[\lambda]+$$
$$(-r+r2\,\mathrm{Cos}[\theta 3])\,\big(64\,r^4+272\,r^2\,r2^2+89\,r2^4-16\,r\,r2\,\left(16\,r^2+17\,r2^2\right)\mathrm{Cos}[\theta 3]-$$
$$28\,r2^2\,\left(-4\,r^2+r2^2\right)\mathrm{Cos}[2\,\theta 3]+16\,r\,r2^3\,\mathrm{Cos}[3\,\theta 3]+3\,r2^4\,\mathrm{Cos}[4\,\theta 3]\big)$$
$$\mathrm{Cos}[\lambda 1]\,(-1+2\,\mathrm{Cos}[2\,\lambda 1])\,\mathrm{Sin}[3\,\lambda]+(r-r2\,\mathrm{Cos}[\theta 3])$$
$$\big(64\,r^4+272\,r^2\,r2^2+89\,r2^4-16\,r\,r2\,\left(16\,r^2+17\,r2^2\right)\mathrm{Cos}[\theta 3]-$$
$$28\,r2^2\,\left(-4\,r^2+r2^2\right)\mathrm{Cos}[2\,\theta 3]+16\,r\,r2^3\,\mathrm{Cos}[3\,\theta 3]+3\,r2^4\,\mathrm{Cos}[4\,\theta 3]\big)$$
$$\mathrm{Cos}[\lambda 2]\,(-1+2\,\mathrm{Cos}[2\,\lambda 2])\,\mathrm{Sin}[3\,\lambda]+72\,r2^4\,(-r+r2\,\mathrm{Cos}[\theta 3])$$
$$\mathrm{Cos}[\lambda]\,\mathrm{Sin}[\theta 3]^4\,\mathrm{Sin}[\lambda 1]+(r-r2\,\mathrm{Cos}[\theta 3])\,\big(64\,r^4+272\,r^2\,r2^2+89\,r2^4-$$
$$16\,r\,r2\,\left(16\,r^2+17\,r2^2\right)\mathrm{Cos}[\theta 3]-28\,r2^2\,\left(-4\,r^2+r2^2\right)\mathrm{Cos}[2\,\theta 3]+$$
$$16\,r\,r2^3\,\mathrm{Cos}[3\,\theta 3]+3\,r2^4\,\mathrm{Cos}[4\,\theta 3]\big)\,\mathrm{Cos}[\lambda]\,(-1+2\,\mathrm{Cos}[2\,\lambda])\,\mathrm{Sin}[3\,\lambda 1]+$$
$$72\,r2^4\,(r-r2\,\mathrm{Cos}[\theta 3])\,\mathrm{Cos}[\lambda]\,\mathrm{Sin}[\theta 3]^4\,\mathrm{Sin}[\lambda 2]+(-r+r2\,\mathrm{Cos}[\theta 3])$$
$$\big(64\,r^4+272\,r^2\,r2^2+89\,r2^4-16\,r\,r2\,\left(16\,r^2+17\,r2^2\right)\mathrm{Cos}[\theta 3]-$$
$$28\,r2^2\,\left(-4\,r^2+r2^2\right)\mathrm{Cos}[2\,\theta 3]+16\,r\,r2^3\,\mathrm{Cos}[3\,\theta 3]+3\,r2^4\,\mathrm{Cos}[4\,\theta 3]\big)$$
$$\mathrm{Cos}[\lambda]\,(-1+2\,\mathrm{Cos}[2\,\lambda])\,\mathrm{Sin}[3\,\lambda 2]\Big)\Bigg)\Bigg)\,d\theta 3$$

In[ ]:=
```
Vyyxθ3[θ3_] :=
```
$$\frac{1}{96\,r}\Bigg(-\Bigg(\Bigg(64\,r\,r1^2\,\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticF}\Big[\frac{\theta 3}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]$$

$$\text{Sin}[3\lambda - 3\lambda 1]\Big) \Big/ \Big(\left(r^2 - r1^2\right)\sqrt{r^2 + r1^2 - 2\,r\,r1\,\text{Cos}[\theta 3]}\Big)\Big) +$$

$$\frac{16\,r1^4\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 3]}{r^2-2\,r\,r1+r1^2}}\;\text{EllipticF}\left[\frac{\theta 3}{2}, -\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\text{Sin}[3\lambda - 3\lambda 1]}{r\left(r^2 - r1^2\right)\sqrt{r^2 + r1^2 - 2\,r\,r1\,\text{Cos}[\theta 3]}} +$$

$$\Bigg(64\,r\,r2^2\sqrt{\frac{r^2 + r2^2 - 2\,r\,r2\,\text{Cos}[\theta 3]}{r^2 - 2\,r\,r2 + r2^2}}\;\text{EllipticF}\left[\frac{\theta 3}{2}, -\frac{4\,r\,r2}{r^2 - 2\,r\,r2 + r2^2}\right]$$

$$\text{Sin}[3\lambda - 3\lambda 1]\Bigg) \Big/ \Big(\left(r^2 - r2^2\right)\sqrt{r^2 + r2^2 - 2\,r\,r2\,\text{Cos}[\theta 3]}\Big) -$$

$$\frac{16\,r2^4\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 3]}{r^2-2\,r\,r2+r2^2}}\;\text{EllipticF}\left[\frac{\theta 3}{2}, -\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\text{Sin}[3\lambda - 3\lambda 1]}{r\left(r^2 - r2^2\right)\sqrt{r^2 + r2^2 - 2\,r\,r2\,\text{Cos}[\theta 3]}} -$$

$$\frac{48\,r1^4\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 3]}{r^2-2\,r\,r1+r1^2}}\;\text{EllipticF}\left[\frac{\theta 3}{2}, -\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\text{Sin}[\lambda - \lambda 1]}{r\left(r^2 - r1^2\right)\sqrt{r^2 + r1^2 - 2\,r\,r1\,\text{Cos}[\theta 3]}} +$$

$$\frac{48\,r2^4\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 3]}{r^2-2\,r\,r2+r2^2}}\;\text{EllipticF}\left[\frac{\theta 3}{2}, -\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\text{Sin}[\lambda - \lambda 1]}{r\left(r^2 - r2^2\right)\sqrt{r^2 + r2^2 - 2\,r\,r2\,\text{Cos}[\theta 3]}} +$$

$$\frac{1}{r^2 - r1^2}\,12\,r1^3\Bigg(-\text{Sin}[\lambda]$$

$$\Bigg(-\frac{1}{2\,r\,r1}\,\text{Cos}[\lambda 1]\Bigg(\Bigg(2\left(r^2 - 2\,r\,r1 + r1^2\right)\sqrt{\frac{r^2 + r1^2 - 2\,r\,r1\,\text{Cos}[\theta 3]}{r^2 - 2\,r\,r1 + r1^2}}\;\text{EllipticE}\Big[$$

$$\frac{\theta 3}{2}, -\frac{4\,r\,r1}{r^2 - 2\,r\,r1 + r1^2}\Big]\Bigg) \Big/ \Big(\sqrt{r^2 + r1^2 - 2\,r\,r1\,\text{Cos}[\theta 3]}\Big) -$$

$$\Bigg(2\left(r^2 + r1^2\right)\sqrt{\frac{r^2 + r1^2 - 2\,r\,r1\,\text{Cos}[\theta 3]}{r^2 - 2\,r\,r1 + r1^2}}\;\text{EllipticF}\Big[\frac{\theta 3}{2},$$

$$-\frac{4\,r\,r1}{r^2 - 2\,r\,r1 + r1^2}\Big]\Bigg) \Big/ \Big(\sqrt{r^2 + r1^2 - 2\,r\,r1\,\text{Cos}[\theta 3]}\Big)\Bigg) -$$

$$\Bigg(\sqrt{\frac{r^2 + r1^2 - 2\,r\,r1\,\text{Cos}[\theta 3]}{r^2 + r1^2}}\;\Bigg(-r^2 - r1^2 + r^2\sqrt{\frac{r^2 + r1^2 - 2\,r\,r1\,\text{Cos}[\theta 3]}{r^2 + r1^2}} +$$

$$r1^2\sqrt{\frac{r^2 + r1^2 - 2\,r\,r1\,\text{Cos}[\theta 3]}{r^2 + r1^2}}\Bigg)\text{Sin}[\lambda 1]\Bigg) \Big/$$

$$\left(r\, r1\, \sqrt{r^2+r1^2-2\, r\, r1\, \mathrm{Cos}[\theta 3]}\right)\Bigg) + \mathrm{Cos}[\lambda]$$

$$\Bigg(\Bigg(\sqrt{\frac{r^2+r1^2-2\, r\, r1\, \mathrm{Cos}[\theta 3]}{r^2+r1^2}}\left(-r^2-r1^2+r^2\sqrt{\frac{r^2+r1^2-2\, r\, r1\, \mathrm{Cos}[\theta 3]}{r^2+r1^2}}+\right.$$

$$\left. r1^2\sqrt{\frac{r^2+r1^2-2\, r\, r1\, \mathrm{Cos}[\theta 3]}{r^2+r1^2}}\right)$$

$$\mathrm{Cos}[\lambda 1]\Bigg)\Big/\left(r\, r1\, \sqrt{r^2+r1^2-2\, r\, r1\, \mathrm{Cos}[\theta 3]}\right)-$$

$$\frac{1}{2\, r\, r1}\Bigg(\Bigg(2\left(r^2-2\, r\, r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\, r\, r1\, \mathrm{Cos}[\theta 3]}{r^2-2\, r\, r1+r1^2}}$$

$$\mathrm{EllipticE}\left[\frac{\theta 3}{2},-\frac{4\, r\, r1}{r^2-2\, r\, r1+r1^2}\right]\Bigg)\Big/\left(\sqrt{r^2+r1^2-2\, r\, r1\, \mathrm{Cos}[\theta 3]}\right)-$$

$$\Bigg(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\, r\, r1\, \mathrm{Cos}[\theta 3]}{r^2-2\, r\, r1+r1^2}}\ \mathrm{EllipticF}\left[\frac{\theta 3}{2},\right.$$

$$\left.-\frac{4\, r\, r1}{r^2-2\, r\, r1+r1^2}\right]\Bigg)\Big/\left(\sqrt{r^2+r1^2-2\, r\, r1\, \mathrm{Cos}[\theta 3]}\right)\Bigg)\ \mathrm{Sin}[\lambda 1]\Bigg)\Bigg)-$$

$$\frac{1}{r^2\left(r^2-r1^2\right)}\ 24\, r1^5\Bigg(-\mathrm{Sin}[\lambda]\Bigg(-\frac{1}{2\, r\, r1}\ \mathrm{Cos}[\lambda 1]\Bigg(\Bigg(2\left(r^2-2\, r\, r1+r1^2\right)$$

$$\sqrt{\frac{r^2+r1^2-2\, r\, r1\, \mathrm{Cos}[\theta 3]}{r^2-2\, r\, r1+r1^2}}\ \mathrm{EllipticE}\left[\frac{\theta 3}{2},-\frac{4\, r\, r1}{r^2-2\, r\, r1+r1^2}\right]\Bigg)\Big/$$

$$\left(\sqrt{r^2+r1^2-2\, r\, r1\, \mathrm{Cos}[\theta 3]}\right)-\Bigg(2\left(r^2+r1^2\right)$$

$$\sqrt{\frac{r^2+r1^2-2\, r\, r1\, \mathrm{Cos}[\theta 3]}{r^2-2\, r\, r1+r1^2}}\ \mathrm{EllipticF}\left[\frac{\theta 3}{2},-\frac{4\, r\, r1}{r^2-2\, r\, r1+r1^2}\right]\Bigg)\Big/$$

$$\left(\sqrt{r^2+r1^2-2\, r\, r1\, \mathrm{Cos}[\theta 3]}\right)\Bigg)-\Bigg(\sqrt{\frac{r^2+r1^2-2\, r\, r1\, \mathrm{Cos}[\theta 3]}{r^2+r1^2}}\left(-r^2-\right.$$

$$\left. r1^2+r^2\sqrt{\frac{r^2+r1^2-2\, r\, r1\, \mathrm{Cos}[\theta 3]}{r^2+r1^2}}+r1^2\sqrt{\frac{r^2+r1^2-2\, r\, r1\, \mathrm{Cos}[\theta 3]}{r^2+r1^2}}\right)$$

$$\text{Sin}[\lambda 1]\Big)\Big/\left(r\,r1\,\sqrt{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 3]}\right)\Bigg)+\text{Cos}[\lambda]$$

$$\Bigg(\Bigg(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 3]}{r^2+r1^2}}\left(-r^2-r1^2+r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 3]}{r^2+r1^2}}+\right.$$

$$\left.r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 3]}{r^2+r1^2}}\right)$$

$$\text{Cos}[\lambda 1]\Big)\Big/\left(r\,r1\,\sqrt{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 3]}\right)-$$

$$\frac{1}{2\,r\,r1}\Bigg(\Bigg(2\left(r^2-2\,r\,r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 3]}{r^2-2\,r\,r1+r1^2}}$$

$$\text{EllipticE}\left[\frac{\theta 3}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\Bigg)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 3]}\right)-$$

$$\Bigg(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 3]}{r^2-2\,r\,r1+r1^2}}\,\text{EllipticF}\left[\frac{\theta 3}{2},\right.$$

$$\left.-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\Bigg)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 3]}\right)\Bigg)\,\text{Sin}[\lambda 1]\Bigg)\Bigg)-$$

$$\frac{1}{r^2-r1^2}\,12\,r1^3\Bigg(\text{Sin}[\lambda]\Bigg(-\frac{1}{2\,r\,r1}\,\text{Cos}[\lambda 1]\Bigg(\Bigg(2\left(r^2-2\,r\,r1+r1^2\right)$$

$$\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 3]}{r^2-2\,r\,r1+r1^2}}\,\text{EllipticE}\left[\frac{\theta 3}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\Bigg)\Big/$$

$$\left(\sqrt{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 3]}\right)-\Bigg(2\left(r^2+r1^2\right)$$

$$\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 3]}{r^2-2\,r\,r1+r1^2}}\,\text{EllipticF}\left[\frac{\theta 3}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\Bigg)\Big/$$

$$\left(\sqrt{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 3]}\right)\Bigg)+\Bigg(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 3]}{r^2+r1^2}}\left(-r^2-\right.$$

$$\left.r1^2+r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 3]}{r^2+r1^2}}+r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 3]}{r^2+r1^2}}\right)$$

$$\text{Sin}[\lambda 1]\Big)\Big/\left(r\,r1\,\sqrt{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 3]}\right)\Bigg)+\text{Cos}[\lambda]$$

$$\Bigg(\Bigg(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 3]}{r^2+r1^2}}\left(-r^2-r1^2+r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 3]}{r^2+r1^2}}+\right.$$

$$\left.r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 3]}{r^2+r1^2}}\right)$$

$$\text{Cos}[\lambda 1]\Big)\Big/\left(r\,r1\,\sqrt{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 3]}\right)+$$

$$\frac{1}{2\,r\,r1}\Bigg(\Bigg(2\left(r^2-2\,r\,r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 3]}{r^2-2\,r\,r1+r1^2}}$$

$$\text{EllipticE}\left[\frac{\theta 3}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\Bigg)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 3]}\right)-$$

$$\Bigg(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 3]}{r^2-2\,r\,r1+r1^2}}\,\text{EllipticF}\Big[\frac{\theta 3}{2},$$

$$-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Bigg)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 3]}\right)\Bigg)\,\text{Sin}[\lambda 1]\Bigg)\Bigg)+$$

$$\frac{1}{r^2\left(r^2-r1^2\right)}\,24\,r1^5\Bigg(\text{Sin}[\lambda]\Bigg(-\frac{1}{2\,r\,r1}\,\text{Cos}[\lambda 1]\Bigg(\Bigg(2\left(r^2-2\,r\,r1+r1^2\right)$$

$$\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 3]}{r^2-2\,r\,r1+r1^2}}\,\text{EllipticE}\Big[\frac{\theta 3}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Bigg)\Big/$$

$$\left(\sqrt{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 3]}\right)-\Bigg(2\left(r^2+r1^2\right)$$

$$\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 3]}{r^2-2\,r\,r1+r1^2}}\,\text{EllipticF}\Big[\frac{\theta 3}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Bigg)\Big/$$

$$\left(\sqrt{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 3]}\right)\Bigg)+\Bigg(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 3]}{r^2+r1^2}}\Bigg(-r^2-$$

$$r1^2+r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 3]}{r^2+r1^2}}+r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 3]}{r^2+r1^2}}\Bigg)$$

$$\text{Sin}[\lambda 1]\Big)\Big/\left(r\,r1\,\sqrt{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 3]}\right)\Bigg)+\text{Cos}[\lambda]$$

$$\Bigg(\Bigg(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 3]}{r^2+r1^2}}\left(-r^2-r1^2+r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 3]}{r^2+r1^2}}+\right.$$

$$\left.r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 3]}{r^2+r1^2}}\right)$$

$$\text{Cos}[\lambda 1]\Big)\Big/\left(r\,r1\,\sqrt{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 3]}\right)+$$

$$\frac{1}{2\,r\,r1}\Bigg(\Bigg(2\left(r^2-2\,r\,r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 3]}{r^2-2\,r\,r1+r1^2}}$$

$$\text{EllipticE}\left[\frac{\theta 3}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\Bigg)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 3]}\right)-$$

$$\Bigg(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 3]}{r^2-2\,r\,r1+r1^2}}\,\text{EllipticF}\left[\frac{\theta 3}{2},\right.$$

$$\left.-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\Bigg)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 3]}\right)\Bigg)\,\text{Sin}[\lambda 1]\Bigg)\Bigg)-$$

$$\frac{1}{r^2-r2^2}\,12\,r2^3\Bigg(-\text{Sin}[\lambda]\Bigg(-\frac{1}{2\,r\,r2}\,\text{Cos}[\lambda 1]\Bigg(\Bigg(2\left(r^2-2\,r\,r2+r2^2\right)$$

$$\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 3]}{r^2-2\,r\,r2+r2^2}}\,\text{EllipticE}\left[\frac{\theta 3}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\Bigg)\Big/$$

$$\left(\sqrt{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 3]}\right)-\Bigg(2\left(r^2+r2^2\right)$$

$$\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 3]}{r^2-2\,r\,r2+r2^2}}\,\text{EllipticF}\left[\frac{\theta 3}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\Bigg)\Big/$$

$$\left(\sqrt{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 3]}\right)\Bigg)-\Bigg(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 3]}{r^2+r2^2}}\left(-r^2-\right.$$

$$\left.r2^2+r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 3]}{r^2+r2^2}}+r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 3]}{r^2+r2^2}}\right)$$

$$\text{Sin}[\lambda 1]\Big)\Big/\left(r\ r2\ \sqrt{r^2+r2^2-2\ r\ r2\ \text{Cos}[\theta 3]}\right)\Bigg)+\text{Cos}[\lambda]$$

$$\Bigg(\Bigg(\sqrt{\frac{r^2+r2^2-2\ r\ r2\ \text{Cos}[\theta 3]}{r^2+r2^2}}\ \Bigg(-r^2-r2^2+r^2\ \sqrt{\frac{r^2+r2^2-2\ r\ r2\ \text{Cos}[\theta 3]}{r^2+r2^2}}+$$

$$r2^2\ \sqrt{\frac{r^2+r2^2-2\ r\ r2\ \text{Cos}[\theta 3]}{r^2+r2^2}}\Bigg)$$

$$\text{Cos}[\lambda 1]\Big)\Big/\left(r\ r2\ \sqrt{r^2+r2^2-2\ r\ r2\ \text{Cos}[\theta 3]}\right)-$$

$$\frac{1}{2\ r\ r2}\Bigg(\Bigg(2\left(r^2-2\ r\ r2+r2^2\right)\ \sqrt{\frac{r^2+r2^2-2\ r\ r2\ \text{Cos}[\theta 3]}{r^2-2\ r\ r2+r2^2}}$$

$$\text{EllipticE}\left[\frac{\theta 3}{2},-\frac{4\ r\ r2}{r^2-2\ r\ r2+r2^2}\right]\Bigg)\Big/\left(\sqrt{r^2+r2^2-2\ r\ r2\ \text{Cos}[\theta 3]}\right)-$$

$$\Bigg(2\left(r^2+r2^2\right)\ \sqrt{\frac{r^2+r2^2-2\ r\ r2\ \text{Cos}[\theta 3]}{r^2-2\ r\ r2+r2^2}}\ \text{EllipticF}\left[\frac{\theta 3}{2},\right.$$

$$\left.-\frac{4\ r\ r2}{r^2-2\ r\ r2+r2^2}\right]\Bigg)\Big/\left(\sqrt{r^2+r2^2-2\ r\ r2\ \text{Cos}[\theta 3]}\right)\Bigg)\ \text{Sin}[\lambda 1]\Bigg)\Bigg)+$$

$$\frac{1}{r^2\left(r^2-r2^2\right)}\ 24\ r2^5\ \Bigg(-\text{Sin}[\lambda]\ \Bigg(-\frac{1}{2\ r\ r2}\ \text{Cos}[\lambda 1]\ \Bigg(\Bigg(2\left(r^2-2\ r\ r2+r2^2\right)$$

$$\sqrt{\frac{r^2+r2^2-2\ r\ r2\ \text{Cos}[\theta 3]}{r^2-2\ r\ r2+r2^2}}\ \text{EllipticE}\left[\frac{\theta 3}{2},\right.$$

$$\left.-\frac{4\ r\ r2}{r^2-2\ r\ r2+r2^2}\right]\Bigg)\Big/\left(\sqrt{r^2+r2^2-2\ r\ r2\ \text{Cos}[\theta 3]}\right)-$$

$$\Bigg(2\left(r^2+r2^2\right)\ \sqrt{\frac{r^2+r2^2-2\ r\ r2\ \text{Cos}[\theta 3]}{r^2-2\ r\ r2+r2^2}}\ \text{EllipticF}\left[\frac{\theta 3}{2},\right.$$

$$\left.-\frac{4\ r\ r2}{r^2-2\ r\ r2+r2^2}\right]\Bigg)\Big/\left(\sqrt{r^2+r2^2-2\ r\ r2\ \text{Cos}[\theta 3]}\right)\Bigg)-$$

$$\Bigg(\sqrt{\frac{r^2+r2^2-2\ r\ r2\ \text{Cos}[\theta 3]}{r^2+r2^2}}\ \Bigg(-r^2-r2^2+r^2\ \sqrt{\frac{r^2+r2^2-2\ r\ r2\ \text{Cos}[\theta 3]}{r^2+r2^2}}+$$

$$r2^2 \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}{r^2 + r2^2}}\Bigg) \mathrm{Sin}[\lambda 1]\Bigg) \Big/$$

$$\left(r\, r2\, \sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}\right)\Bigg) + \mathrm{Cos}[\lambda]$$

$$\Bigg(\Bigg(\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}{r^2 + r2^2}} \left(-r^2 - r2^2 + r^2 \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}{r^2 + r2^2}} + \right.$$

$$\left. r2^2 \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}{r^2 + r2^2}}\right)$$

$$\mathrm{Cos}[\lambda 1]\Bigg) \Big/ \left(r\, r2\, \sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}\right) -$$

$$\frac{1}{2\, r\, r2} \Bigg(\Bigg(2\left(r^2 - 2\, r\, r2 + r2^2\right) \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}{r^2 - 2\, r\, r2 + r2^2}}$$

$$\mathrm{EllipticE}\left[\frac{\theta 3}{2}, -\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\right]\Bigg) \Big/ \left(\sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}\right) -$$

$$\Bigg(2\left(r^2 + r2^2\right) \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}{r^2 - 2\, r\, r2 + r2^2}}\ \mathrm{EllipticF}\Big[\frac{\theta 3}{2},$$

$$-\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\Big]\Bigg) \Big/ \left(\sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}\right)\Bigg) \mathrm{Sin}[\lambda 1]\Bigg)\Bigg) +$$

$$\frac{1}{r^2 - r2^2}\, 12\, r2^3 \Bigg(\mathrm{Sin}[\lambda] \Bigg(-\frac{1}{2\, r\, r2} \mathrm{Cos}[\lambda 1] \Bigg(\Bigg(2\left(r^2 - 2\, r\, r2 + r2^2\right)$$

$$\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}{r^2 - 2\, r\, r2 + r2^2}}\ \mathrm{EllipticE}\Big[\frac{\theta 3}{2},$$

$$-\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\Big]\Bigg) \Big/ \left(\sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}\right) -$$

$$\Bigg(2\left(r^2 + r2^2\right) \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}{r^2 - 2\, r\, r2 + r2^2}}\ \mathrm{EllipticF}\Big[\frac{\theta 3}{2},$$

$$-\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\Big]\Bigg) \Big/ \left(\sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}\right)\Bigg) +$$

$$\left(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}\left(-r^2-r2^2+r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}+r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}\right)\mathrm{Sin}[\lambda 1]\right)\Big/\left(r\,r2\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\right)\Bigg)+\mathrm{Cos}[\lambda]$$

$$\left(\left(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}\left(-r^2-r2^2+r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}+r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}\right)\right.\right.$$

$$\left.\mathrm{Cos}[\lambda 1]\right)\Big/\left(r\,r2\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\right)+$$

$$\frac{1}{2\,r\,r2}\left(\left(2\left(r^2-2\,r\,r2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r2+r2^2}}\right.\right.$$

$$\left.\mathrm{EllipticE}\left[\frac{\theta 3}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\right)-$$

$$\left(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r2+r2^2}}\,\mathrm{EllipticF}\left[\frac{\theta 3}{2},\right.\right.$$

$$\left.\left.\left.-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\right)\right)\mathrm{Sin}[\lambda 1]\Bigg)\Bigg)-$$

$$\frac{1}{r^2\left(r^2-r2^2\right)}\,24\,r2^5\left(\mathrm{Sin}[\lambda]\left(-\frac{1}{2\,r\,r2}\,\mathrm{Cos}[\lambda 1]\left(\left(2\left(r^2-2\,r\,r2+r2^2\right)\right.\right.\right.\right.$$

$$\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r2+r2^2}}\,\mathrm{EllipticE}\left[\frac{\theta 3}{2},\right.$$

$$\left.\left.-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\right)-$$

$$\left(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r2+r2^2}}\,\mathrm{EllipticF}\left[\frac{\theta 3}{2},\right.\right.$$

$$-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\Big)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\right)\Big)+$$

$$\left(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}\left(-r^2-r2^2+r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}+\right.\right.$$

$$\left.\left.r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}\right)\mathrm{Sin}[\lambda 1]\right)\Big/$$

$$\left.\left(r\,r2\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\right)\right)+\mathrm{Cos}[\lambda]$$

$$\left(\left(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}\left(-r^2-r2^2+r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}+\right.\right.\right.$$

$$\left.r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}\right)$$

$$\left.\mathrm{Cos}[\lambda 1]\right)\Big/\left(r\,r2\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\right)+$$

$$\frac{1}{2\,r\,r2}\left(\left(2\left(r^2-2\,r\,r2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r2+r2^2}}\right.\right.$$

$$\left.\mathrm{EllipticE}\left[\frac{\theta 3}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\right)-$$

$$\left(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r2+r2^2}}\,\mathrm{EllipticF}\left[\frac{\theta 3}{2},\right.\right.$$

$$\left.\left.\left.-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\right)\right)\mathrm{Sin}[\lambda 1]\right)\Big)-$$

$$\frac{1}{r^2-r1^2}\,32\,r^2\,r1\left(-\left((1+2\,\mathrm{Cos}[2\,\lambda])\,\mathrm{Sin}[\lambda]\left(-\frac{1}{2\,r\,r1}\,\mathrm{Cos}[3\,\lambda 1]\right.\right.\right.$$

$$\left(\left(2\left(r^2-2\,r\,r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r1+r1^2}}\,\mathrm{EllipticE}\right.\right.$$

$$\left.\left.\frac{\theta 3}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\right)-$$

$$\left(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticF}\left[\frac{\theta 3}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\right)\Bigg)-$$

$$\left(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}\left(-r^2-r1^2+r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}+r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}\right)(1+2\,\mathrm{Cos}[2\,\lambda 1])\right.$$

$$\left.\mathrm{Sin}[\lambda 1]\right)\Big/\left(r\,r1\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\right)\Bigg)\Bigg)+$$

$$\mathrm{Cos}[\lambda]\,(-1+2\,\mathrm{Cos}[2\,\lambda])\left(\left(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}\left(-r^2-r1^2+r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}+r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}\right)\right.\right.$$

$$\left.\mathrm{Cos}[\lambda 1]\,(-1+2\,\mathrm{Cos}[2\,\lambda 1])\right)\Big/\left(r\,r1\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\right)-$$

$$\frac{1}{2\,r\,r1}\left(\left(2\left(r^2-2\,r\,r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r1+r1^2}}\right.\right.$$

$$\left.\mathrm{EllipticE}\left[\frac{\theta 3}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\right)-$$

$$\left(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticF}\left[\frac{\theta 3}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\right)\Bigg)\,\mathrm{Sin}[3\,\lambda 1]\Bigg)\Bigg)+$$

$$\frac{1}{r^2-r1^2}\,12\,r1^3\left(-\left((1+2\,\mathrm{Cos}[2\,\lambda])\,\mathrm{Sin}[\lambda]\left(-\frac{1}{2\,r\,r1}\,\mathrm{Cos}[3\,\lambda 1]\right.\right.\right.$$

$$\left(\left(2\left(r^2-2\,r\,r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticE}\right[\right.$$

$$\frac{\theta 3}{2}, -\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Big)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\right)-$$

$$\left(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticF}\Big[\frac{\theta 3}{2},\right.$$

$$\left.-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\right)-$$

$$\left(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}\left(-r^2-r1^2+r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}+\right.\right.$$

$$\left.r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}\right)(1+2\,\mathrm{Cos}[2\,\lambda 1])$$

$$\left.\mathrm{Sin}[\lambda 1]\right)\Big/\left(r\,r1\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\right)\Big)\Big)+$$

$$\mathrm{Cos}[\lambda]\,(-1+2\,\mathrm{Cos}[2\,\lambda])\left(\left(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}\left(-r^2-r1^2+\right.\right.\right.$$

$$\left.r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}+r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}\right)$$

$$\left.\mathrm{Cos}[\lambda 1]\,(-1+2\,\mathrm{Cos}[2\,\lambda 1])\right)\Big/\left(r\,r1\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\right)-$$

$$\frac{1}{2\,r\,r1}\left(\left(2\left(r^2-2\,r\,r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r1+r1^2}}\right.\right.$$

$$\left.\mathrm{EllipticE}\Big[\frac{\theta 3}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\right)-$$

$$\left(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticF}\Big[\frac{\theta 3}{2},\right.$$

$$\left.\left.-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\right)\right)\mathrm{Sin}[3\,\lambda 1]\Big)\Big)+$$

$$\frac{1}{r^2\left(r^2-r1^2\right)}\,8\,r1^5\left(-\left((1+2\,\mathrm{Cos}[2\,\lambda])\,\mathrm{Sin}[\lambda]\left(-\frac{1}{2\,r\,r1}\,\mathrm{Cos}[3\,\lambda 1]\right.\right.\right.$$

$$\left(\left(2\left(r^2-2\,r\,r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticE}\left[\frac{\theta 3}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\right)-\right.$$

$$\left(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticF}\left[\frac{\theta 3}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\right)\Bigg)-$$

$$\left(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}\left(-r^2-r1^2+r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}+r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}\right)(1+2\,\mathrm{Cos}[2\,\lambda 1])\right.$$

$$\left.\mathrm{Sin}[\lambda 1]\right)\Big/\left(r\,r1\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\right)\Bigg)\Bigg)+$$

$$\mathrm{Cos}[\lambda]\,(-1+2\,\mathrm{Cos}[2\,\lambda])\left(\left(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}\left(-r^2-r1^2+r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}+r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}\right)\right.\right.$$

$$\left.\mathrm{Cos}[\lambda 1]\,(-1+2\,\mathrm{Cos}[2\,\lambda 1])\right)\Big/\left(r\,r1\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\right)-$$

$$\frac{1}{2\,r\,r1}\left(\left(2\left(r^2-2\,r\,r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticE}\left[\frac{\theta 3}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\right)-\right.$$

$$\left.\left(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticF}\left[\frac{\theta 3}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\right)\right)\mathrm{Sin}[3\,\lambda 1]\Bigg)\Bigg)+$$

$$\frac{1}{r^2 - r1^2}\, 32\, r^2\, r1 \Bigg((1 + 2\,\mathrm{Cos}[2\,\lambda])\,\mathrm{Sin}[\lambda] \Bigg(-\frac{1}{2\,r\,r1}\,\mathrm{Cos}[3\,\lambda 1]$$

$$\Bigg(\Bigg(2\,(r^2 - 2\,r\,r1 + r1^2)\,\sqrt{\frac{r^2 + r1^2 - 2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2 - 2\,r\,r1 + r1^2}}\;\mathrm{EllipticE}\Big[$$

$$\frac{\theta 3}{2},\, -\frac{4\,r\,r1}{r^2 - 2\,r\,r1 + r1^2}\Big]\Bigg) \Big/ \left(\sqrt{r^2 + r1^2 - 2\,r\,r1\,\mathrm{Cos}[\theta 3]}\right) -$$

$$\Bigg(2\,(r^2 + r1^2)\,\sqrt{\frac{r^2 + r1^2 - 2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2 - 2\,r\,r1 + r1^2}}\;\mathrm{EllipticF}\Big[\frac{\theta 3}{2},$$

$$-\frac{4\,r\,r1}{r^2 - 2\,r\,r1 + r1^2}\Big]\Bigg) \Big/ \left(\sqrt{r^2 + r1^2 - 2\,r\,r1\,\mathrm{Cos}[\theta 3]}\right)\Bigg) +$$

$$\Bigg(\sqrt{\frac{r^2 + r1^2 - 2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2 + r1^2}}\;\Bigg(-r^2 - r1^2 + r^2\,\sqrt{\frac{r^2 + r1^2 - 2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2 + r1^2}} +$$

$$r1^2\,\sqrt{\frac{r^2 + r1^2 - 2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2 + r1^2}}\Bigg)\,(1 + 2\,\mathrm{Cos}[2\,\lambda 1])\,\mathrm{Sin}[\lambda 1]\Bigg) \Big/$$

$$\left(r\,r1\,\sqrt{r^2 + r1^2 - 2\,r\,r1\,\mathrm{Cos}[\theta 3]}\right)\Bigg) + \mathrm{Cos}[\lambda]\,(-1 + 2\,\mathrm{Cos}[2\,\lambda])$$

$$\Bigg(\Bigg(\sqrt{\frac{r^2 + r1^2 - 2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2 + r1^2}}\;\Bigg(-r^2 - r1^2 + r^2\,\sqrt{\frac{r^2 + r1^2 - 2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2 + r1^2}} +$$

$$r1^2\,\sqrt{\frac{r^2 + r1^2 - 2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2 + r1^2}}\Bigg)\,\mathrm{Cos}[\lambda 1]$$

$$(-1 + 2\,\mathrm{Cos}[2\,\lambda 1])\Bigg) \Big/ \left(r\,r1\,\sqrt{r^2 + r1^2 - 2\,r\,r1\,\mathrm{Cos}[\theta 3]}\right) +$$

$$\frac{1}{2\,r\,r1}\Bigg(\Bigg(2\,(r^2 - 2\,r\,r1 + r1^2)\,\sqrt{\frac{r^2 + r1^2 - 2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2 - 2\,r\,r1 + r1^2}}$$

$$\mathrm{EllipticE}\Big[\frac{\theta 3}{2},\, -\frac{4\,r\,r1}{r^2 - 2\,r\,r1 + r1^2}\Big]\Bigg) \Big/ \left(\sqrt{r^2 + r1^2 - 2\,r\,r1\,\mathrm{Cos}[\theta 3]}\right) -$$

$$\Bigg(2\,(r^2 + r1^2)\,\sqrt{\frac{r^2 + r1^2 - 2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2 - 2\,r\,r1 + r1^2}}\;\mathrm{EllipticF}\Big[\frac{\theta 3}{2},$$

$$-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Big)\Big/\Big(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\Big)\Big)\,\mathrm{Sin}[3\,\lambda 1]\Big)\Big)-$$

$$\frac{1}{r^2-r1^2}\,12\,r1^3\Big((1+2\,\mathrm{Cos}[2\,\lambda])\,\mathrm{Sin}[\lambda]\Big(-\frac{1}{2\,r\,r1}\,\mathrm{Cos}[3\,\lambda 1]$$

$$\Big(\Big(2\,(r^2-2\,r\,r1+r1^2)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r1+r1^2}}\,\mathrm{EllipticE}\Big[$$

$$\frac{\theta 3}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Big)\Big/\Big(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\Big)-$$

$$\Big(2\,(r^2+r1^2)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r1+r1^2}}\,\mathrm{EllipticF}\Big[\frac{\theta 3}{2},$$

$$-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Big)\Big/\Big(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\Big)\Big)+$$

$$\Big(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}\Big(-r^2-r1^2+r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}+$$

$$r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}\Big)\,(1+2\,\mathrm{Cos}[2\,\lambda 1])\,\mathrm{Sin}[\lambda 1]\Big)\Big/$$

$$\Big(r\,r1\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\Big)\Big)+\mathrm{Cos}[\lambda]\,(-1+2\,\mathrm{Cos}[2\,\lambda])$$

$$\Big(\Big(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}\Big(-r^2-r1^2+r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}+$$

$$r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}\Big)\,\mathrm{Cos}[\lambda 1]$$

$$(-1+2\,\mathrm{Cos}[2\,\lambda 1])\Big)\Big/\Big(r\,r1\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\Big)+$$

$$\frac{1}{2\,r\,r1}\Big(\Big(2\,(r^2-2\,r\,r1+r1^2)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r1+r1^2}}$$

$$\mathrm{EllipticE}\Big[\frac{\theta 3}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Big)\Big/\Big(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\Big)-$$

$$\left(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticF}\left[\frac{\theta 3}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\right)\right)\mathrm{Sin}[3\,\lambda 1]\Bigg)\Bigg)-$$

$$\frac{1}{r^2\left(r^2-r1^2\right)}\,8\,r1^5\Bigg((1+2\,\mathrm{Cos}[2\,\lambda])\,\mathrm{Sin}[\lambda]\Bigg(-\frac{1}{2\,r\,r1}\,\mathrm{Cos}[3\,\lambda 1]$$

$$\left(\left(2\left(r^2-2\,r\,r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticE}\left[\frac{\theta 3}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\right)-\right.\right.$$

$$\left(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticF}\left[\frac{\theta 3}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\right)\right)+$$

$$\left(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}\left(-r^2-r1^2+r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}+\right.\right.$$

$$\left.\left.r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}\right)(1+2\,\mathrm{Cos}[2\,\lambda 1])\,\mathrm{Sin}[\lambda 1]\Big/$$

$$\left.\left(r\,r1\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\right)\right)+\mathrm{Cos}[\lambda]\,(-1+2\,\mathrm{Cos}[2\,\lambda])$$

$$\left(\left(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}\left(-r^2-r1^2+r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}+\right.\right.\right.$$

$$\left.r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}\right)\mathrm{Cos}[\lambda 1]$$

$$\left.(-1+2\,\mathrm{Cos}[2\,\lambda 1])\right)\Big/\left(r\,r1\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\right)+$$

$$\frac{1}{2\,r\,r1}\left(\left(2\left(r^2-2\,r\,r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r1+r1^2}}\right.\right.$$

$$\text{EllipticE}\left[\frac{\theta 3}{2}, -\frac{4\, r\, r1}{r^2 - 2\, r\, r1 + r1^2}\right]\Bigg) \Big/ \left(\sqrt{r^2 + r1^2 - 2\, r\, r1\, \text{Cos}[\theta 3]}\right) -$$

$$\left(2\left(r^2 + r1^2\right)\sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \text{Cos}[\theta 3]}{r^2 - 2\, r\, r1 + r1^2}}\ \text{EllipticF}\left[\frac{\theta 3}{2},\right.\right.$$

$$\left.\left.\left. -\frac{4\, r\, r1}{r^2 - 2\, r\, r1 + r1^2}\right]\right) \Big/ \left(\sqrt{r^2 + r1^2 - 2\, r\, r1\, \text{Cos}[\theta 3]}\right)\right) \text{Sin}[3\, \lambda 1]\Bigg)\Bigg) +$$

$$\frac{1}{r^2 - r2^2}\, 32\, r^2\, r2 \left(-\left((1 + 2\, \text{Cos}[2\, \lambda])\, \text{Sin}[\lambda]\left(-\frac{1}{2\, r\, r2}\, \text{Cos}[3\, \lambda 1]\right.\right.\right.$$

$$\left(\left(2\left(r^2 - 2\, r\, r2 + r2^2\right)\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \text{Cos}[\theta 3]}{r^2 - 2\, r\, r2 + r2^2}}\ \text{EllipticE}\right.\right.$$

$$\left.\left.\frac{\theta 3}{2}, -\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\right]\right) \Big/ \left(\sqrt{r^2 + r2^2 - 2\, r\, r2\, \text{Cos}[\theta 3]}\right) -$$

$$\left(2\left(r^2 + r2^2\right)\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \text{Cos}[\theta 3]}{r^2 - 2\, r\, r2 + r2^2}}\ \text{EllipticF}\left[\frac{\theta 3}{2},\right.\right.$$

$$\left.\left.\left. -\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\right]\right) \Big/ \left(\sqrt{r^2 + r2^2 - 2\, r\, r2\, \text{Cos}[\theta 3]}\right)\right) -$$

$$\left(\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \text{Cos}[\theta 3]}{r^2 + r2^2}}\left(-r^2 - r2^2 + r^2\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \text{Cos}[\theta 3]}{r^2 + r2^2}} +\right.\right.$$

$$\left.\left. r2^2\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \text{Cos}[\theta 3]}{r^2 + r2^2}}\right)(1 + 2\, \text{Cos}[2\, \lambda 1])$$

$$\left.\left.\text{Sin}[\lambda 1]\right) \Big/ \left(r\, r2\sqrt{r^2 + r2^2 - 2\, r\, r2\, \text{Cos}[\theta 3]}\right)\right)\Bigg) +$$

$$\text{Cos}[\lambda]\,(-1 + 2\, \text{Cos}[2\, \lambda])\left(\left(\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \text{Cos}[\theta 3]}{r^2 + r2^2}}\left(-r^2 - r2^2 +\right.\right.\right.$$

$$\left. r^2\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \text{Cos}[\theta 3]}{r^2 + r2^2}} + r2^2\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \text{Cos}[\theta 3]}{r^2 + r2^2}}\right)$$

$$\left.\text{Cos}[\lambda 1]\,(-1 + 2\, \text{Cos}[2\, \lambda 1])\right) \Big/ \left(r\, r2\sqrt{r^2 + r2^2 - 2\, r\, r2\, \text{Cos}[\theta 3]}\right) -$$

$$\frac{1}{2\,r\,r2}\left(\left(2\left(r^2-2\,r\,r2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r2+r2^2}}\right.\right.$$

$$\left.\mathrm{EllipticE}\left[\frac{\theta 3}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\right)-$$

$$\left(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticF}\left[\frac{\theta 3}{2},\right.\right.$$

$$\left.\left.\left.-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\right)\right)\mathrm{Sin}[3\,\lambda 1]\right)\right)-$$

$$\frac{1}{r^2-r2^2}\,12\,r2^3\left(-\left((1+2\,\mathrm{Cos}[2\,\lambda])\,\mathrm{Sin}[\lambda]\left(-\frac{1}{2\,r\,r2}\,\mathrm{Cos}[3\,\lambda 1]\right.\right.\right.$$

$$\left(\left(2\left(r^2-2\,r\,r2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticE}\right.\right.$$

$$\left.\left.\frac{\theta 3}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\right)-$$

$$\left(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticF}\left[\frac{\theta 3}{2},\right.\right.$$

$$\left.\left.\left.-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\right)\right)-$$

$$\left(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}\left(-r^2-r2^2+r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}+\right.\right.$$

$$\left.r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}\right)(1+2\,\mathrm{Cos}[2\,\lambda 1])$$

$$\left.\left.\mathrm{Sin}[\lambda 1]\right)\Big/\left(r\,r2\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\right)\right)\right)+$$

$$\mathrm{Cos}[\lambda]\,(-1+2\,\mathrm{Cos}[2\,\lambda])\left(\left(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}\left(-r^2-r2^2+\right.\right.\right.$$

$$\left.r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}+r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}\right)$$

$$\text{Cos}[\lambda 1]\ (-1+2\,\text{Cos}[2\,\lambda 1])\Big)\Big/\Big(r\ r2\ \sqrt{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 3]}\Big)-$$

$$\frac{1}{2\,r\,r2}\Bigg(\Bigg(2\left(r^2-2\,r\,r2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 3]}{r^2-2\,r\,r2+r2^2}}$$

$$\text{EllipticE}\Big[\frac{\theta 3}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\Bigg)\Big/\Big(\sqrt{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 3]}\Big)-$$

$$\Bigg(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 3]}{r^2-2\,r\,r2+r2^2}}\ \text{EllipticF}\Big[\frac{\theta 3}{2},$$

$$-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\Bigg)\Big/\Big(\sqrt{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 3]}\Big)\Bigg)\ \text{Sin}[3\,\lambda 1]\Bigg)\Bigg)-$$

$$\frac{1}{r^2\left(r^2-r2^2\right)}\ 8\,r2^5\Bigg(-\Bigg((1+2\,\text{Cos}[2\,\lambda])\ \text{Sin}[\lambda]\ \Bigg(-\frac{1}{2\,r\,r2}\ \text{Cos}[3\,\lambda 1]$$

$$\Bigg(\Bigg(2\left(r^2-2\,r\,r2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 3]}{r^2-2\,r\,r2+r2^2}}\ \text{EllipticE}\Big[$$

$$\frac{\theta 3}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\Bigg)\Big/\Big(\sqrt{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 3]}\Big)-$$

$$\Bigg(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 3]}{r^2-2\,r\,r2+r2^2}}\ \text{EllipticF}\Big[\frac{\theta 3}{2},$$

$$-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\Bigg)\Big/\Big(\sqrt{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 3]}\Big)\Bigg)-$$

$$\Bigg(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 3]}{r^2+r2^2}}\ \Bigg(-r^2-r2^2+r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 3]}{r^2+r2^2}}+$$

$$r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 3]}{r^2+r2^2}}\Bigg)\ (1+2\,\text{Cos}[2\,\lambda 1])$$

$$\text{Sin}[\lambda 1]\Bigg)\Big/\Big(r\ r2\ \sqrt{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 3]}\Big)\Bigg)\Bigg)+$$

$$\text{Cos}[\lambda]\ (-1+2\,\text{Cos}[2\,\lambda])\ \Bigg(\Bigg(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 3]}{r^2+r2^2}}\ \Bigg(-r^2-r2^2+$$

$$r^2 \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}{r^2 + r2^2}} + r2^2 \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}{r^2 + r2^2}}\Bigg)$$

$$\mathrm{Cos}[\lambda 1]\ (-1 + 2\, \mathrm{Cos}[2\, \lambda 1])\Bigg) \Big/ \left(r\, r2\, \sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}\right) -$$

$$\frac{1}{2\, r\, r2} \Bigg(\Bigg(2\, \left(r^2 - 2\, r\, r2 + r2^2\right) \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}{r^2 - 2\, r\, r2 + r2^2}}$$

$$\mathrm{EllipticE}\left[\frac{\theta 3}{2}, -\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\right]\Bigg) \Big/ \left(\sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}\right) -$$

$$\Bigg(2\, \left(r^2 + r2^2\right) \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}{r^2 - 2\, r\, r2 + r2^2}}\ \mathrm{EllipticF}\left[\frac{\theta 3}{2},$$

$$-\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\right]\Bigg) \Big/ \left(\sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}\right)\Bigg)\ \mathrm{Sin}[3\, \lambda 1]\Bigg)\Bigg) -$$

$$\frac{1}{r^2 - r2^2}\ 32\, r^2\, r2 \Bigg((1 + 2\, \mathrm{Cos}[2\, \lambda])\ \mathrm{Sin}[\lambda] \Bigg(-\frac{1}{2\, r\, r2}\ \mathrm{Cos}[3\, \lambda 1]$$

$$\Bigg(\Bigg(2\, \left(r^2 - 2\, r\, r2 + r2^2\right) \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}{r^2 - 2\, r\, r2 + r2^2}}\ \mathrm{EllipticE}\Big[$$

$$\frac{\theta 3}{2}, -\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\Big]\Bigg) \Big/ \left(\sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}\right) -$$

$$\Bigg(2\, \left(r^2 + r2^2\right) \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}{r^2 - 2\, r\, r2 + r2^2}}\ \mathrm{EllipticF}\left[\frac{\theta 3}{2},$$

$$-\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\right]\Bigg) \Big/ \left(\sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}\right)\Bigg) +$$

$$\Bigg(\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}{r^2 + r2^2}} \Bigg(-r^2 - r2^2 + r^2 \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}{r^2 + r2^2}} +$$

$$r2^2 \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}{r^2 + r2^2}}\Bigg)\ (1 + 2\, \mathrm{Cos}[2\, \lambda 1])\ \mathrm{Sin}[\lambda 1]\Bigg) \Big/$$

$$\left(r\, r2\, \sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}\right)\Bigg) + \mathrm{Cos}[\lambda]\ (-1 + 2\, \mathrm{Cos}[2\, \lambda])$$

$$\left(\left(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}\left(-r^2-r2^2+r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}+\right.\right.\right.$$

$$\left.r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}\right)\mathrm{Cos}[\lambda 1]$$

$$\left.(-1+2\,\mathrm{Cos}[2\,\lambda 1])\right)\Big/\left(r\,r2\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\right)+$$

$$\frac{1}{2\,r\,r2}\left(\left(2\left(r^2-2\,r\,r2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r2+r2^2}}\right.\right.$$

$$\left.\mathrm{EllipticE}\left[\frac{\theta 3}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\right)-$$

$$\left(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r2+r2^2}}\,\mathrm{EllipticF}\left[\frac{\theta 3}{2},\right.\right.$$

$$\left.\left.\left.-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\right)\right)\mathrm{Sin}[3\,\lambda 1]\right)\right)+$$

$$\frac{1}{r^2-r2^2}\,12\,r2^3\left((1+2\,\mathrm{Cos}[2\,\lambda])\,\mathrm{Sin}[\lambda]\left(-\frac{1}{2\,r\,r2}\,\mathrm{Cos}[3\,\lambda 1]\right.\right.$$

$$\left(\left(2\left(r^2-2\,r\,r2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r2+r2^2}}\,\mathrm{EllipticE}\right.\right.$$

$$\left.\left.\frac{\theta 3}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\right)-$$

$$\left(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r2+r2^2}}\,\mathrm{EllipticF}\left[\frac{\theta 3}{2},\right.\right.$$

$$\left.\left.\left.-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\right)\right)+$$

$$\left(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}\left(-r^2-r2^2+r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}+\right.\right.$$

$$\left.\left.r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}\right)(1+2\,\mathrm{Cos}[2\,\lambda 1])\,\mathrm{Sin}[\lambda 1]\right)\Big/$$

$$\left(r\, r2\, \sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}\right)\Bigg) + \mathrm{Cos}[\lambda]\, (-1 + 2\, \mathrm{Cos}[2\, \lambda])$$

$$\Bigg(\Bigg(\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}{r^2 + r2^2}}\, \Bigg(-r^2 - r2^2 + r^2\, \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}{r^2 + r2^2}} +$$

$$r2^2\, \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}{r^2 + r2^2}}\Bigg)\, \mathrm{Cos}[\lambda 1]$$

$$(-1 + 2\, \mathrm{Cos}[2\, \lambda 1])\Bigg) \Big/ \left(r\, r2\, \sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}\right) +$$

$$\frac{1}{2\, r\, r2}\, \Bigg(\Bigg(2\, \left(r^2 - 2\, r\, r2 + r2^2\right)\, \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}{r^2 - 2\, r\, r2 + r2^2}}$$

$$\mathrm{EllipticE}\left[\frac{\theta 3}{2}, -\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\right]\Bigg) \Big/ \left(\sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}\right) -$$

$$\Bigg(2\, \left(r^2 + r2^2\right)\, \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}{r^2 - 2\, r\, r2 + r2^2}}\, \mathrm{EllipticF}\Big[\frac{\theta 3}{2},$$

$$-\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\Big]\Bigg) \Big/ \left(\sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}\right)\Bigg)\, \mathrm{Sin}[3\, \lambda 1]\Bigg)\Bigg) +$$

$$\frac{1}{r^2\, \left(r^2 - r2^2\right)}\, 8\, r2^5\, \Bigg((1 + 2\, \mathrm{Cos}[2\, \lambda])\, \mathrm{Sin}[\lambda]\, \Bigg(-\frac{1}{2\, r\, r2}\, \mathrm{Cos}[3\, \lambda 1]$$

$$\Bigg(\Bigg(2\, \left(r^2 - 2\, r\, r2 + r2^2\right)\, \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}{r^2 - 2\, r\, r2 + r2^2}}\, \mathrm{EllipticE}\Big[$$

$$\frac{\theta 3}{2}, -\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\Big]\Bigg) \Big/ \left(\sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}\right) -$$

$$\Bigg(2\, \left(r^2 + r2^2\right)\, \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}{r^2 - 2\, r\, r2 + r2^2}}\, \mathrm{EllipticF}\Big[\frac{\theta 3}{2},$$

$$-\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\Big]\Bigg) \Big/ \left(\sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}\right)\Bigg) +$$

$$\Bigg(\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}{r^2 + r2^2}}\, \Bigg(-r^2 - r2^2 + r^2\, \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}{r^2 + r2^2}} +$$

$$r2^2 \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}{r^2 + r2^2}}\Bigg) (1 + 2\, \mathrm{Cos}[2\, \lambda 1])\, \mathrm{Sin}[\lambda 1]\Bigg) \Big/$$

$$\left(r\, r2\, \sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}\right)\Bigg) + \mathrm{Cos}[\lambda]\, (-1 + 2\, \mathrm{Cos}[2\, \lambda])$$

$$\Bigg(\Bigg(\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}{r^2 + r2^2}}\Bigg(-r^2 - r2^2 + r^2 \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}{r^2 + r2^2}} +$$

$$r2^2 \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}{r^2 + r2^2}}\Bigg) \mathrm{Cos}[\lambda 1]$$

$$(-1 + 2\, \mathrm{Cos}[2\, \lambda 1])\Bigg) \Big/ \left(r\, r2\, \sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}\right) +$$

$$\frac{1}{2\, r\, r2} \Bigg(\Bigg(2\, (r^2 - 2\, r\, r2 + r2^2) \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}{r^2 - 2\, r\, r2 + r2^2}}$$

$$\mathrm{EllipticE}\left[\frac{\theta 3}{2}, -\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\right]\Bigg) \Big/ \left(\sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}\right) -$$

$$\Bigg(2\, (r^2 + r2^2) \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}{r^2 - 2\, r\, r2 + r2^2}}\, \mathrm{EllipticF}\Big[\frac{\theta 3}{2},$$

$$-\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\Big]\Bigg) \Big/ \left(\sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}\right)\Bigg) \mathrm{Sin}[3\, \lambda 1]\Bigg)\Bigg) +$$

$$\Bigg(64\, r\, r1^2 \sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 3]}{r^2 - 2\, r\, r1 + r1^2}}\, \mathrm{EllipticF}\left[\frac{\theta 3}{2}, -\frac{4\, r\, r1}{r^2 - 2\, r\, r1 + r1^2}\right]$$

$$\mathrm{Sin}[$$

$$3\, \lambda - 3\, \lambda 2]\Bigg) \Big/$$

$$\left((r^2 - r1^2) \sqrt{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 3]}\right) -$$

$$\frac{16\, r1^4 \sqrt{\frac{r^2+r1^2-2\, r\, r1\, \mathrm{Cos}[\theta 3]}{r^2-2\, r\, r1+r1^2}}\, \mathrm{EllipticF}\left[\frac{\theta 3}{2}, -\frac{4\, r\, r1}{r^2-2\, r\, r1+r1^2}\right] \mathrm{Sin}[3\, \lambda - 3\, \lambda 2]}{r\, (r^2 - r1^2) \sqrt{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 3]}} -$$

$$\Bigg(64$$

$$r$$

$$r2^2$$

$$\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r2+r2^2}}$$

$$\mathrm{EllipticF}\Big[\frac{\theta 3}{2},\ -\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\,\mathrm{Sin}[3\,\lambda-3\,\lambda 2]\Big)\Big/$$

$$\Big(\left(r^2-r2^2\right)\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\Big)+$$

$$\frac{16\,r2^4\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r2+r2^2}}\,\mathrm{EllipticF}\Big[\frac{\theta 3}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\,\mathrm{Sin}[3\,\lambda-3\,\lambda 2]}{r\left(r^2-r2^2\right)\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}}+$$

$$\frac{48\,r1^4\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r1+r1^2}}\,\mathrm{EllipticF}\Big[\frac{\theta 3}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\,\mathrm{Sin}[\lambda-\lambda 2]}{r\left(r^2-r1^2\right)\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}}-$$

$$\frac{48\,r2^4\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r2+r2^2}}\,\mathrm{EllipticF}\Big[\frac{\theta 3}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\,\mathrm{Sin}[\lambda-\lambda 2]}{r\left(r^2-r2^2\right)\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}}-$$

$$\frac{1}{r^2-r1^2}\,12\,r1^3\Big(-\mathrm{Sin}[\lambda]$$

$$\Big(-\frac{1}{2\,r\,r1}\,\mathrm{Cos}[\lambda 2]\Big(\Big(2\left(r^2-2\,r\,r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r1+r1^2}}\,\mathrm{EllipticE}\Big[$$

$$\frac{\theta 3}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Big)\Big/\Big(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\Big)-$$

$$\Big(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r1+r1^2}}\,\mathrm{EllipticF}\Big[\frac{\theta 3}{2},$$

$$-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Big)\Big/\Big(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\Big)\Big)-$$

$$\left(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}\left(-r^2-r1^2+r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}+r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}\right)\mathrm{Sin}[\lambda 2]\right)\Big/\left(r\,r1\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\right)\Bigg)+\mathrm{Cos}[\lambda]$$

$$\left(\left(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}\left(-r^2-r1^2+r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}+r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}\right)\mathrm{Cos}[\lambda 2]\right)\Big/\left(r\,r1\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\right)-\frac{1}{2\,r\,r1}\left(\left(2\left(r^2-2\,r\,r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r1+r1^2}}\,\mathrm{EllipticE}\left[\frac{\theta 3}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\right)-\left(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r1+r1^2}}\,\mathrm{EllipticF}\left[\frac{\theta 3}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\right)\right)\mathrm{Sin}[\lambda 2]\right)\right)+$$

$$\frac{1}{r^2\left(r^2-r1^2\right)}\,24\,r1^5\left(-\mathrm{Sin}[\lambda]\left(-\frac{1}{2\,r\,r1}\,\mathrm{Cos}[\lambda 2]\left(\left(2\left(r^2-2\,r\,r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r1+r1^2}}\,\mathrm{EllipticE}\left[\frac{\theta 3}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\right)-\left(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r1+r1^2}}\,\mathrm{EllipticF}\left[\frac{\theta 3}{2},\right.\right.\right.\right.$$

$$-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Big)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\right)\Big)-$$

$$\left(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}\left(-r^2-r1^2+r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}+\right.\right.$$

$$\left.\left.r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}\right)\mathrm{Sin}[\lambda 2]\right)\Big/$$

$$\left.\left(r\,r1\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\right)\right)+\mathrm{Cos}[\lambda]$$

$$\left(\left(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}\left(-r^2-r1^2+r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}+\right.\right.\right.$$

$$\left.r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}\right)$$

$$\left.\mathrm{Cos}[\lambda 2]\right)\Big/\left(r\,r1\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\right)-$$

$$\frac{1}{2\,r\,r1}\left(\left(2\left(r^2-2\,r\,r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r1+r1^2}}\right.\right.$$

$$\mathrm{EllipticE}\left[\frac{\theta 3}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\Big)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\right)-$$

$$\left(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r1+r1^2}}\,\mathrm{EllipticF}\left[\frac{\theta 3}{2},\right.\right.$$

$$\left.\left.\left.-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\Big)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\right)\right)\mathrm{Sin}[\lambda 2]\right)\Big)+$$

$$\frac{1}{r^2-r1^2}\,12\,r1^3\left(\mathrm{Sin}[\lambda]\left(-\frac{1}{2\,r\,r1}\,\mathrm{Cos}[\lambda 2]\left(\left(2\left(r^2-2\,r\,r1+r1^2\right)\right.\right.\right.\right.$$

$$\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r1+r1^2}}\,\mathrm{EllipticE}\left[\frac{\theta 3}{2},\right.$$

$$\left.-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\Big)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\right)-$$

$$\left(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticF}\left[\frac{\theta 3}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\right)\Bigg)+$$

$$\left(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}\left(-r^2-r1^2+r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}+r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}\right)\mathrm{Sin}[\lambda 2]\right)\Big/$$

$$\left(r\,r1\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\right)\Bigg)+\mathrm{Cos}[\lambda]$$

$$\left(\left(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}\left(-r^2-r1^2+r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}+r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}\right)\right.\right.$$

$$\left.\mathrm{Cos}[\lambda 2]\right)\Big/\left(r\,r1\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\right)+$$

$$\frac{1}{2\,r\,r1}\left(\left(2\left(r^2-2\,r\,r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r1+r1^2}}\right.\right.$$

$$\left.\mathrm{EllipticE}\left[\frac{\theta 3}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\right)-$$

$$\left(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticF}\left[\frac{\theta 3}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\right)\Bigg)\mathrm{Sin}[\lambda 2]\Bigg)\Bigg)-$$

$$\frac{1}{r^2\left(r^2-r1^2\right)}\,24\,r1^5\left(\mathrm{Sin}[\lambda]\left(-\frac{1}{2\,r\,r1}\,\mathrm{Cos}[\lambda 2]\left(\left(2\left(r^2-2\,r\,r1+r1^2\right)\right.\right.\right.\right.$$

$$\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticE}\left[\frac{\theta 3}{2},\right.$$

$$-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Big)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\right)-$$

$$\left(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticF}\Big[\frac{\theta 3}{2},\right.$$

$$\left.-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\right)\Bigg)+$$

$$\left(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}\left(-r^2-r1^2+r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}+\right.\right.$$

$$\left.\left.r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}\right)\mathrm{Sin}[\lambda 2]\right)\Big/$$

$$\left(r\,r1\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\right)\Bigg)+\mathrm{Cos}[\lambda]$$

$$\left(\left(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}\left(-r^2-r1^2+r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}+\right.\right.\right.$$

$$\left.r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}\right)$$

$$\left.\mathrm{Cos}[\lambda 2]\right)\Big/\left(r\,r1\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\right)+$$

$$\frac{1}{2\,r\,r1}\left(\left(2\left(r^2-2\,r\,r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r1+r1^2}}\right.\right.$$

$$\mathrm{EllipticE}\Big[\frac{\theta 3}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Big)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\right)-$$

$$\left(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticF}\Big[\frac{\theta 3}{2},\right.$$

$$\left.\left.\left.-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\right)\right)\mathrm{Sin}[\lambda 2]\right)\right)+$$

$$\frac{1}{r^2-r2^2}\,12\,r2^3\left(-\mathrm{Sin}[\lambda]\left(-\frac{1}{2\,r\,r2}\,\mathrm{Cos}[\lambda 2]\left(\left(2\left(r^2-2\,r\,r2+r2^2\right)\right.\right.\right.\right.$$

$$\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticE}\Big[\frac{\theta 3}{2},$$

$$-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\Big)\Big/\Big(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\Big)-$$

$$\Big(2\,(r^2+r2^2)\,\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticF}\Big[\frac{\theta 3}{2},$$

$$-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\Big)\Big/\Big(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\Big)\Big)-$$

$$\Big(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}\;\Big(-r^2-r2^2+r^2\,\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}+$$

$$r2^2\,\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}\Big)\,\mathrm{Sin}[\lambda 2]\Big)\Big/$$

$$\Big(r\,r2\,\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\Big)\Big)+\mathrm{Cos}[\lambda]$$

$$\Big(\Big(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}\;\Big(-r^2-r2^2+r^2\,\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}+$$

$$r2^2\,\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}\Big)$$

$$\mathrm{Cos}[\lambda 2]\Big)\Big/\Big(r\,r2\,\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\Big)-$$

$$\frac{1}{2\,r\,r2}\Big(\Big(2\,(r^2-2\,r\,r2+r2^2)\,\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r2+r2^2}}$$

$$\mathrm{EllipticE}\Big[\frac{\theta 3}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\Big)\Big/\Big(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\Big)-$$

$$\Big(2\,(r^2+r2^2)\,\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticF}\Big[\frac{\theta 3}{2},$$

$$-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\Big)\Big/\Big(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\Big)\Big)\,\mathrm{Sin}[\lambda 2]\Big)\Big)-$$

$$\frac{1}{r^2\left(r^2-r2^2\right)}\,24\,r2^5\left(-\mathrm{Sin}[\lambda]\left(-\frac{1}{2\,r\,r2}\,\mathrm{Cos}[\lambda 2]\left(\left(2\left(r^2-2\,r\,r2+r2^2\right)\right.\right.\right.\right.$$

$$\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticE}\Big[\frac{\theta 3}{2},$$

$$\left.-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\right)-$$

$$\left(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticF}\Big[\frac{\theta 3}{2},\right.$$

$$\left.-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\right)\Bigg)-$$

$$\left(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}\left(-r^2-r2^2+r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}+\right.\right.$$

$$\left.\left.r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}\right)\mathrm{Sin}[\lambda 2]\right)\Big/$$

$$\left.\left(r\,r2\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\right)\right)+\mathrm{Cos}[\lambda]$$

$$\left(\left(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}\left(-r^2-r2^2+r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}+\right.\right.\right.$$

$$\left.r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}\right)$$

$$\left.\mathrm{Cos}[\lambda 2]\right)\Big/\left(r\,r2\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\right)-$$

$$\frac{1}{2\,r\,r2}\left(\left(2\left(r^2-2\,r\,r2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r2+r2^2}}\right.\right.$$

$$\left.\mathrm{EllipticE}\Big[\frac{\theta 3}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\right)-$$

$$\left(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticF}\Big[\frac{\theta 3}{2},\right.$$

$$-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\Big)\Big/\Big(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta3]}\Big)\Big)\,\mathrm{Sin}[\lambda2]\Big)\Big)-$$

$$\frac{1}{r^2-r2^2}\,12\,r2^3\Big(\mathrm{Sin}[\lambda]\Big(-\frac{1}{2\,r\,r2}\,\mathrm{Cos}[\lambda2]\Big(\Big(2\,(r^2-2\,r\,r2+r2^2)$$

$$\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta3]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticE}\Big[\frac{\theta3}{2},$$

$$-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\Big)\Big/\Big(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta3]}\Big)-$$

$$\Big(2\,(r^2+r2^2)\,\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta3]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticF}\Big[\frac{\theta3}{2},$$

$$-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\Big)\Big/\Big(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta3]}\Big)\Big)+$$

$$\Big(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta3]}{r^2+r2^2}}\;\Big(-r^2-r2^2+r^2\,\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta3]}{r^2+r2^2}}+$$

$$r2^2\,\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta3]}{r^2+r2^2}}\Big)\,\mathrm{Sin}[\lambda2]\Big)\Big/$$

$$\Big(r\,r2\,\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta3]}\Big)\Big)+\mathrm{Cos}[\lambda]$$

$$\Big(\Big(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta3]}{r^2+r2^2}}\;\Big(-r^2-r2^2+r^2\,\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta3]}{r^2+r2^2}}+$$

$$r2^2\,\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta3]}{r^2+r2^2}}\Big)$$

$$\mathrm{Cos}[\lambda2]\Big)\Big/\Big(r\,r2\,\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta3]}\Big)+$$

$$\frac{1}{2\,r\,r2}\Big(\Big(2\,(r^2-2\,r\,r2+r2^2)\,\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta3]}{r^2-2\,r\,r2+r2^2}}$$

$$\mathrm{EllipticE}\Big[\frac{\theta3}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\Big)\Big/\Big(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta3]}\Big)-$$

$$\left(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta3]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticF}\left[\frac{\theta3}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta3]}\right)\mathrm{Sin}[\lambda2]\Bigg)\Bigg)+$$

$$\frac{1}{r^2\left(r^2-r2^2\right)}\,24\,r2^5\Bigg(\mathrm{Sin}[\lambda]\Bigg(-\frac{1}{2\,r\,r2}\,\mathrm{Cos}[\lambda2]\Bigg(\Bigg(2\left(r^2-2\,r\,r2+r2^2\right)$$

$$\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta3]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticE}\left[\frac{\theta3}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\Bigg)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta3]}\right)-$$

$$\left(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta3]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticF}\left[\frac{\theta3}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta3]}\right)\Bigg)+$$

$$\left(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta3]}{r^2+r2^2}}\left(-r^2-r2^2+r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta3]}{r^2+r2^2}}+r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta3]}{r^2+r2^2}}\right)\mathrm{Sin}[\lambda2]\right)\Big/$$

$$\left(r\,r2\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta3]}\right)\Bigg)+\mathrm{Cos}[\lambda]$$

$$\Bigg(\Bigg(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta3]}{r^2+r2^2}}\left(-r^2-r2^2+r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta3]}{r^2+r2^2}}+r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta3]}{r^2+r2^2}}\right)$$

$$\mathrm{Cos}[\lambda2]\Bigg)\Big/\left(r\,r2\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta3]}\right)+$$

$$\frac{1}{2\,r\,r2}\Bigg(\Bigg(2\left(r^2-2\,r\,r2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta3]}{r^2-2\,r\,r2+r2^2}}$$

$$\text{EllipticE}\left[\frac{\theta 3}{2}, -\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\right]\Bigg) \Big/ \left(\sqrt{r^2 + r2^2 - 2\, r\, r2\, \text{Cos}[\theta 3]}\right) -$$

$$\left(2\left(r^2 + r2^2\right)\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \text{Cos}[\theta 3]}{r^2 - 2\, r\, r2 + r2^2}}\ \text{EllipticF}\left[\frac{\theta 3}{2},\right.\right.$$

$$\left.\left.-\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\right]\right) \Big/ \left(\sqrt{r^2 + r2^2 - 2\, r\, r2\, \text{Cos}[\theta 3]}\right)\Bigg)\ \text{Sin}[\lambda 2]\Bigg)\Bigg) +$$

$$\frac{1}{r^2 - r1^2}\, 32\, r^2\, r1\left(-\left((1 + 2\,\text{Cos}[2\,\lambda])\ \text{Sin}[\lambda]\left(-\frac{1}{2\, r\, r1}\ \text{Cos}[3\,\lambda 2]\right.\right.\right.$$

$$\left(\left(2\left(r^2 - 2\, r\, r1 + r1^2\right)\sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \text{Cos}[\theta 3]}{r^2 - 2\, r\, r1 + r1^2}}\ \text{EllipticE}\right.\right.$$

$$\left.\left.\frac{\theta 3}{2}, -\frac{4\, r\, r1}{r^2 - 2\, r\, r1 + r1^2}\right]\right) \Big/ \left(\sqrt{r^2 + r1^2 - 2\, r\, r1\, \text{Cos}[\theta 3]}\right) -$$

$$\left(2\left(r^2 + r1^2\right)\sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \text{Cos}[\theta 3]}{r^2 - 2\, r\, r1 + r1^2}}\ \text{EllipticF}\left[\frac{\theta 3}{2},\right.\right.$$

$$\left.\left.-\frac{4\, r\, r1}{r^2 - 2\, r\, r1 + r1^2}\right]\right) \Big/ \left(\sqrt{r^2 + r1^2 - 2\, r\, r1\, \text{Cos}[\theta 3]}\right)\Bigg) -$$

$$\left(\sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \text{Cos}[\theta 3]}{r^2 + r1^2}}\left(-r^2 - r1^2 + r^2\sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \text{Cos}[\theta 3]}{r^2 + r1^2}} +\right.\right.$$

$$\left.r1^2\sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \text{Cos}[\theta 3]}{r^2 + r1^2}}\right)(1 + 2\,\text{Cos}[2\,\lambda 2])$$

$$\left.\text{Sin}[\lambda 2]\right) \Big/ \left(r\, r1\sqrt{r^2 + r1^2 - 2\, r\, r1\, \text{Cos}[\theta 3]}\right)\Bigg)\Bigg) +$$

$$\text{Cos}[\lambda]\ (-1 + 2\,\text{Cos}[2\,\lambda])\left(\left(\sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \text{Cos}[\theta 3]}{r^2 + r1^2}}\left(-r^2 - r1^2 +\right.\right.\right.$$

$$\left.r^2\sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \text{Cos}[\theta 3]}{r^2 + r1^2}} + r1^2\sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \text{Cos}[\theta 3]}{r^2 + r1^2}}\right)$$

$$\left.\text{Cos}[\lambda 2]\ (-1 + 2\,\text{Cos}[2\,\lambda 2])\right) \Big/ \left(r\, r1\sqrt{r^2 + r1^2 - 2\, r\, r1\, \text{Cos}[\theta 3]}\right) -$$

$$\frac{1}{2\,r\,r1}\left(\left(2\left(r^2-2\,r\,r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r1+r1^2}}\right.\right.$$

$$\left.\mathrm{EllipticE}\left[\frac{\theta 3}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\right)-$$

$$\left(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticF}\left[\frac{\theta 3}{2},\right.\right.$$

$$\left.\left.\left.-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\right)\right)\mathrm{Sin}[3\,\lambda 2]\Bigg)\Bigg)-$$

$$\frac{1}{r^2-r1^2}\,12\,r1^3\left(-\left((1+2\,\mathrm{Cos}[2\,\lambda])\,\mathrm{Sin}[\lambda]\left(-\frac{1}{2\,r\,r1}\,\mathrm{Cos}[3\,\lambda 2]\right.\right.\right.$$

$$\left(\left(2\left(r^2-2\,r\,r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticE}\right.\right.$$

$$\left.\left.\frac{\theta 3}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\right)-$$

$$\left(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticF}\left[\frac{\theta 3}{2},\right.\right.$$

$$\left.\left.\left.-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\right)\right)-$$

$$\left(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}\left(-r^2-r1^2+r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}+\right.\right.$$

$$\left.r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}\right)(1+2\,\mathrm{Cos}[2\,\lambda 2])$$

$$\left.\left.\mathrm{Sin}[\lambda 2]\right)\Big/\left(r\,r1\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\right)\right)\Bigg)+$$

$$\mathrm{Cos}[\lambda]\,(-1+2\,\mathrm{Cos}[2\,\lambda])\left(\left(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}\left(-r^2-r1^2+\right.\right.\right.$$

$$\left.r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}+r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}\right)$$

$$\text{Cos}[\lambda 2]\ (-1+2\,\text{Cos}[2\,\lambda 2])\Big)\Big/\left(r\ r1\ \sqrt{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 3]}\right)-$$

$$\frac{1}{2\,r\,r1}\left(\left(2\left(r^2-2\,r\,r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 3]}{r^2-2\,r\,r1+r1^2}}\right.\right.$$

$$\text{EllipticE}\left[\frac{\theta 3}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\Big)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 3]}\right)-$$

$$\left(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 3]}{r^2-2\,r\,r1+r1^2}}\ \text{EllipticF}\left[\frac{\theta 3}{2},\right.\right.$$

$$\left.\left.-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\Big)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 3]}\right)\Big)\ \text{Sin}[3\,\lambda 2]\Big)\Big)-$$

$$\frac{1}{r^2\left(r^2-r1^2\right)}\ 8\,r1^5\left(-\left((1+2\,\text{Cos}[2\,\lambda])\ \text{Sin}[\lambda]\left(-\frac{1}{2\,r\,r1}\ \text{Cos}[3\,\lambda 2]\right.\right.\right.$$

$$\left(\left(2\left(r^2-2\,r\,r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 3]}{r^2-2\,r\,r1+r1^2}}\ \text{EllipticE}\right.\right.$$

$$\left.\frac{\theta 3}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\Big)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 3]}\right)-$$

$$\left(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 3]}{r^2-2\,r\,r1+r1^2}}\ \text{EllipticF}\left[\frac{\theta 3}{2},\right.\right.$$

$$\left.\left.-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\Big)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 3]}\right)\Big)-$$

$$\left(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 3]}{r^2+r1^2}}\left(-r^2-r1^2+r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 3]}{r^2+r1^2}}+\right.\right.$$

$$\left.r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 3]}{r^2+r1^2}}\right)(1+2\,\text{Cos}[2\,\lambda 2])$$

$$\text{Sin}[\lambda 2]\Big)\Big/\left(r\ r1\ \sqrt{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 3]}\right)\Big)\Big)+$$

$$\text{Cos}[\lambda]\ (-1+2\,\text{Cos}[2\,\lambda])\left(\left(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 3]}{r^2+r1^2}}\left(-r^2-r1^2+\right.\right.\right.$$

$$r^2 \sqrt{\frac{r^2 + r1^2 - 2\, r\, r1 \operatorname{Cos}[\theta 3]}{r^2 + r1^2}} + r1^2 \sqrt{\frac{r^2 + r1^2 - 2\, r\, r1 \operatorname{Cos}[\theta 3]}{r^2 + r1^2}}\Bigg)$$

$$\operatorname{Cos}[\lambda 2]\ (-1 + 2 \operatorname{Cos}[2\, \lambda 2])\Bigg) \Big/ \left(r\, r1 \sqrt{r^2 + r1^2 - 2\, r\, r1 \operatorname{Cos}[\theta 3]}\right) -$$

$$\frac{1}{2\, r\, r1} \Bigg(\Bigg(2 \left(r^2 - 2\, r\, r1 + r1^2\right) \sqrt{\frac{r^2 + r1^2 - 2\, r\, r1 \operatorname{Cos}[\theta 3]}{r^2 - 2\, r\, r1 + r1^2}}$$

$$\operatorname{EllipticE}\left[\frac{\theta 3}{2}, -\frac{4\, r\, r1}{r^2 - 2\, r\, r1 + r1^2}\right]\Bigg) \Big/ \left(\sqrt{r^2 + r1^2 - 2\, r\, r1 \operatorname{Cos}[\theta 3]}\right) -$$

$$\Bigg(2 \left(r^2 + r1^2\right) \sqrt{\frac{r^2 + r1^2 - 2\, r\, r1 \operatorname{Cos}[\theta 3]}{r^2 - 2\, r\, r1 + r1^2}}\ \operatorname{EllipticF}\Big[\frac{\theta 3}{2},$$

$$-\frac{4\, r\, r1}{r^2 - 2\, r\, r1 + r1^2}\Big]\Bigg) \Big/ \left(\sqrt{r^2 + r1^2 - 2\, r\, r1 \operatorname{Cos}[\theta 3]}\right)\Bigg) \operatorname{Sin}[3\, \lambda 2]\Bigg)\Bigg) -$$

$$\frac{1}{r^2 - r1^2}\ 32\, r^2\, r1 \Bigg((1 + 2 \operatorname{Cos}[2\, \lambda])\ \operatorname{Sin}[\lambda] \Bigg(-\frac{1}{2\, r\, r1} \operatorname{Cos}[3\, \lambda 2]$$

$$\Bigg(\Bigg(2 \left(r^2 - 2\, r\, r1 + r1^2\right) \sqrt{\frac{r^2 + r1^2 - 2\, r\, r1 \operatorname{Cos}[\theta 3]}{r^2 - 2\, r\, r1 + r1^2}}\ \operatorname{EllipticE}\Big[$$

$$\frac{\theta 3}{2}, -\frac{4\, r\, r1}{r^2 - 2\, r\, r1 + r1^2}\Big]\Bigg) \Big/ \left(\sqrt{r^2 + r1^2 - 2\, r\, r1 \operatorname{Cos}[\theta 3]}\right) -$$

$$\Bigg(2 \left(r^2 + r1^2\right) \sqrt{\frac{r^2 + r1^2 - 2\, r\, r1 \operatorname{Cos}[\theta 3]}{r^2 - 2\, r\, r1 + r1^2}}\ \operatorname{EllipticF}\Big[\frac{\theta 3}{2},$$

$$-\frac{4\, r\, r1}{r^2 - 2\, r\, r1 + r1^2}\Big]\Bigg) \Big/ \left(\sqrt{r^2 + r1^2 - 2\, r\, r1 \operatorname{Cos}[\theta 3]}\right)\Bigg) +$$

$$\Bigg(\sqrt{\frac{r^2 + r1^2 - 2\, r\, r1 \operatorname{Cos}[\theta 3]}{r^2 + r1^2}} \Bigg(-r^2 - r1^2 + r^2 \sqrt{\frac{r^2 + r1^2 - 2\, r\, r1 \operatorname{Cos}[\theta 3]}{r^2 + r1^2}} +$$

$$r1^2 \sqrt{\frac{r^2 + r1^2 - 2\, r\, r1 \operatorname{Cos}[\theta 3]}{r^2 + r1^2}}\Bigg) (1 + 2 \operatorname{Cos}[2\, \lambda 2])\ \operatorname{Sin}[\lambda 2]\Bigg) \Big/$$

$$\left(r\, r1 \sqrt{r^2 + r1^2 - 2\, r\, r1 \operatorname{Cos}[\theta 3]}\right)\Bigg) + \operatorname{Cos}[\lambda]\ (-1 + 2 \operatorname{Cos}[2\, \lambda])$$

$$\left(\left(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}\left(-r^2-r1^2+r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}+\right.\right.\right.$$

$$\left.r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}\right)\mathrm{Cos}[\lambda 2]$$

$$\left.(-1+2\,\mathrm{Cos}[2\,\lambda 2])\right)\Big/\left(r\,r1\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\right)+$$

$$\frac{1}{2\,r\,r1}\left(\left(2\left(r^2-2\,r\,r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r1+r1^2}}\right.\right.$$

$$\left.\mathrm{EllipticE}\left[\frac{\theta 3}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\right)-$$

$$\left(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r1+r1^2}}\,\mathrm{EllipticF}\left[\frac{\theta 3}{2},\right.\right.$$

$$\left.\left.\left.-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\right)\right)\mathrm{Sin}[3\,\lambda 2]\Bigg)\Bigg)+$$

$$\frac{1}{r^2-r1^2}\,12\,r1^3\left((1+2\,\mathrm{Cos}[2\,\lambda])\,\mathrm{Sin}[\lambda]\left(-\frac{1}{2\,r\,r1}\,\mathrm{Cos}[3\,\lambda 2]\right.\right.$$

$$\left(\left(2\left(r^2-2\,r\,r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r1+r1^2}}\,\mathrm{EllipticE}\right.\right.$$

$$\left.\left.\frac{\theta 3}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\right)-$$

$$\left(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r1+r1^2}}\,\mathrm{EllipticF}\left[\frac{\theta 3}{2},\right.\right.$$

$$\left.\left.\left.-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\right)\right)+$$

$$\left(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}\left(-r^2-r1^2+r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}+\right.\right.$$

$$\left.\left.r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}\right)(1+2\,\mathrm{Cos}[2\,\lambda 2])\,\mathrm{Sin}[\lambda 2]\right)\Big/$$

$$\left(r\, r1\, \sqrt{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 3]}\right)\Bigg) + \mathrm{Cos}[\lambda]\, (-1 + 2\, \mathrm{Cos}[2\, \lambda])$$

$$\Bigg(\Bigg(\sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 3]}{r^2 + r1^2}}\, \Bigg(-r^2 - r1^2 + r^2\, \sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 3]}{r^2 + r1^2}} +$$

$$r1^2\, \sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 3]}{r^2 + r1^2}}\Bigg)\, \mathrm{Cos}[\lambda 2]$$

$$(-1 + 2\, \mathrm{Cos}[2\, \lambda 2])\Bigg) \Big/ \left(r\, r1\, \sqrt{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 3]}\right) +$$

$$\frac{1}{2\, r\, r1}\, \Bigg(\Bigg(2\, \left(r^2 - 2\, r\, r1 + r1^2\right)\, \sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 3]}{r^2 - 2\, r\, r1 + r1^2}}$$

$$\mathrm{EllipticE}\left[\frac{\theta 3}{2}, -\frac{4\, r\, r1}{r^2 - 2\, r\, r1 + r1^2}\right]\Bigg) \Big/ \left(\sqrt{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 3]}\right) -$$

$$\Bigg(2\, \left(r^2 + r1^2\right)\, \sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 3]}{r^2 - 2\, r\, r1 + r1^2}}\, \mathrm{EllipticF}\Big[\frac{\theta 3}{2},$$

$$-\frac{4\, r\, r1}{r^2 - 2\, r\, r1 + r1^2}\Big]\Bigg) \Big/ \left(\sqrt{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 3]}\right)\Bigg)\, \mathrm{Sin}[3\, \lambda 2]\Bigg)\Bigg) +$$

$$\frac{1}{r^2\, \left(r^2 - r1^2\right)}\, 8\, r1^5\, \Bigg((1 + 2\, \mathrm{Cos}[2\, \lambda])\, \mathrm{Sin}[\lambda]\, \Bigg(-\frac{1}{2\, r\, r1}\, \mathrm{Cos}[3\, \lambda 2]$$

$$\Bigg(\Bigg(2\, \left(r^2 - 2\, r\, r1 + r1^2\right)\, \sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 3]}{r^2 - 2\, r\, r1 + r1^2}}\, \mathrm{EllipticE}\Big[$$

$$\frac{\theta 3}{2}, -\frac{4\, r\, r1}{r^2 - 2\, r\, r1 + r1^2}\Big]\Bigg) \Big/ \left(\sqrt{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 3]}\right) -$$

$$\Bigg(2\, \left(r^2 + r1^2\right)\, \sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 3]}{r^2 - 2\, r\, r1 + r1^2}}\, \mathrm{EllipticF}\Big[\frac{\theta 3}{2},$$

$$-\frac{4\, r\, r1}{r^2 - 2\, r\, r1 + r1^2}\Big]\Bigg) \Big/ \left(\sqrt{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 3]}\right)\Bigg) +$$

$$\Bigg(\sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 3]}{r^2 + r1^2}}\, \Bigg(-r^2 - r1^2 + r^2\, \sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 3]}{r^2 + r1^2}} +$$

$$r1^2 \sqrt{\frac{r^2 + r1^2 - 2\, r\, r1 \operatorname{Cos}[\theta 3]}{r^2 + r1^2}}\Bigg) (1 + 2 \operatorname{Cos}[2\, \lambda 2])\, \operatorname{Sin}[\lambda 2]\Bigg) \Big/$$

$$\left(r\, r1 \sqrt{r^2 + r1^2 - 2\, r\, r1 \operatorname{Cos}[\theta 3]}\right)\Bigg) + \operatorname{Cos}[\lambda]\, (-1 + 2 \operatorname{Cos}[2\, \lambda])$$

$$\Bigg(\Bigg(\sqrt{\frac{r^2 + r1^2 - 2\, r\, r1 \operatorname{Cos}[\theta 3]}{r^2 + r1^2}} \Bigg(-r^2 - r1^2 + r^2 \sqrt{\frac{r^2 + r1^2 - 2\, r\, r1 \operatorname{Cos}[\theta 3]}{r^2 + r1^2}} +$$

$$r1^2 \sqrt{\frac{r^2 + r1^2 - 2\, r\, r1 \operatorname{Cos}[\theta 3]}{r^2 + r1^2}}\Bigg) \operatorname{Cos}[\lambda 2]$$

$$(-1 + 2 \operatorname{Cos}[2\, \lambda 2])\Bigg) \Big/ \left(r\, r1 \sqrt{r^2 + r1^2 - 2\, r\, r1 \operatorname{Cos}[\theta 3]}\right) +$$

$$\frac{1}{2\, r\, r1} \Bigg(\Bigg(2 \left(r^2 - 2\, r\, r1 + r1^2\right) \sqrt{\frac{r^2 + r1^2 - 2\, r\, r1 \operatorname{Cos}[\theta 3]}{r^2 - 2\, r\, r1 + r1^2}}$$

$$\operatorname{EllipticE}\left[\frac{\theta 3}{2}, -\frac{4\, r\, r1}{r^2 - 2\, r\, r1 + r1^2}\right]\Bigg) \Big/ \left(\sqrt{r^2 + r1^2 - 2\, r\, r1 \operatorname{Cos}[\theta 3]}\right) -$$

$$\Bigg(2 \left(r^2 + r1^2\right) \sqrt{\frac{r^2 + r1^2 - 2\, r\, r1 \operatorname{Cos}[\theta 3]}{r^2 - 2\, r\, r1 + r1^2}}\, \operatorname{EllipticF}\Big[\frac{\theta 3}{2},$$

$$-\frac{4\, r\, r1}{r^2 - 2\, r\, r1 + r1^2}\Big]\Bigg) \Big/ \left(\sqrt{r^2 + r1^2 - 2\, r\, r1 \operatorname{Cos}[\theta 3]}\right)\Bigg) \operatorname{Sin}[3\, \lambda 2]\Bigg)\Bigg) -$$

$$\frac{1}{r^2 - r2^2}\, 32\, r^2\, r2 \Bigg(-\Bigg((1 + 2 \operatorname{Cos}[2\, \lambda])\, \operatorname{Sin}[\lambda] \Bigg(-\frac{1}{2\, r\, r2} \operatorname{Cos}[3\, \lambda 2]$$

$$\Bigg(\Bigg(2 \left(r^2 - 2\, r\, r2 + r2^2\right) \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2 \operatorname{Cos}[\theta 3]}{r^2 - 2\, r\, r2 + r2^2}}\, \operatorname{EllipticE}\Big[$$

$$\frac{\theta 3}{2}, -\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\Big]\Bigg) \Big/ \left(\sqrt{r^2 + r2^2 - 2\, r\, r2 \operatorname{Cos}[\theta 3]}\right) -$$

$$\Bigg(2 \left(r^2 + r2^2\right) \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2 \operatorname{Cos}[\theta 3]}{r^2 - 2\, r\, r2 + r2^2}}\, \operatorname{EllipticF}\Big[\frac{\theta 3}{2},$$

$$-\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\Big]\Bigg) \Big/ \left(\sqrt{r^2 + r2^2 - 2\, r\, r2 \operatorname{Cos}[\theta 3]}\right)\Bigg) -$$

$$\left(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}\left(-r^2-r2^2+r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}+\right.\right.$$

$$\left.r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}\right)(1+2\,\mathrm{Cos}[2\,\lambda 2])$$

$$\left.\mathrm{Sin}[\lambda 2]\right)\Big/\left(r\,r2\,\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\right)\Bigg)\Bigg)+$$

$$\mathrm{Cos}[\lambda]\,(-1+2\,\mathrm{Cos}[2\,\lambda])\left(\left(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}\left(-r^2-r2^2+\right.\right.\right.$$

$$\left.r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}+r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}\right)$$

$$\left.\mathrm{Cos}[\lambda 2]\,(-1+2\,\mathrm{Cos}[2\,\lambda 2])\right)\Big/\left(r\,r2\,\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\right)-$$

$$\frac{1}{2\,r\,r2}\left(\left(2\left(r^2-2\,r\,r2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r2+r2^2}}\right.\right.$$

$$\left.\mathrm{EllipticE}\left[\frac{\theta 3}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\right)-$$

$$\left(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r2+r2^2}}\,\mathrm{EllipticF}\left[\frac{\theta 3}{2},\right.\right.$$

$$\left.\left.\left.-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\right)\right)\mathrm{Sin}[3\,\lambda 2]\Bigg)\Bigg)+$$

$$\frac{1}{r^2-r2^2}\,12\,r2^3\left(-\left((1+2\,\mathrm{Cos}[2\,\lambda])\,\mathrm{Sin}[\lambda]\left(-\frac{1}{2\,r\,r2}\,\mathrm{Cos}[3\,\lambda 2]\right.\right.\right.$$

$$\left(\left(2\left(r^2-2\,r\,r2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r2+r2^2}}\,\mathrm{EllipticE}\right.\right.$$

$$\left.\left.\frac{\theta 3}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\right)-$$

$$\left(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r2+r2^2}}\,\mathrm{EllipticF}\left[\frac{\theta 3}{2},\right.\right.$$

$$-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\Big)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\right)\Big)-$$

$$\left(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}\left(-r^2-r2^2+r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}+\right.\right.$$

$$\left.r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}\right)(1+2\,\mathrm{Cos}[2\,\lambda 2])$$

$$\left.\mathrm{Sin}[\lambda 2]\right)\Big/\left(r\,r2\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\right)\Big)\Big)+$$

$$\mathrm{Cos}[\lambda]\,(-1+2\,\mathrm{Cos}[2\,\lambda])\left(\left(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}\left(-r^2-r2^2+\right.\right.\right.$$

$$\left.r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}+r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}\right)$$

$$\left.\mathrm{Cos}[\lambda 2]\,(-1+2\,\mathrm{Cos}[2\,\lambda 2])\right)\Big/\left(r\,r2\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\right)-$$

$$\frac{1}{2\,r\,r2}\left(\left(2\left(r^2-2\,r\,r2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r2+r2^2}}\right.\right.$$

$$\left.\mathrm{EllipticE}\left[\frac{\theta 3}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\right)-$$

$$\left(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r2+r2^2}}\,\mathrm{EllipticF}\left[\frac{\theta 3}{2},\right.\right.$$

$$\left.\left.\left.-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\right)\right)\mathrm{Sin}[3\,\lambda 2]\Big)\Big)+$$

$$\frac{1}{r^2\left(r^2-r2^2\right)}\,8\,r2^5\left(-\left((1+2\,\mathrm{Cos}[2\,\lambda])\,\mathrm{Sin}[\lambda]\left(-\frac{1}{2\,r\,r2}\,\mathrm{Cos}[3\,\lambda 2]\right.\right.\right.$$

$$\left(\left(2\left(r^2-2\,r\,r2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r2+r2^2}}\,\mathrm{EllipticE}\right.\right.$$

$$\left.\left.\frac{\theta 3}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\right)-$$

$$\left(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticF}\left[\frac{\theta 3}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\right)\Bigg)-$$

$$\left(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}\left(-r^2-r2^2+r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}+r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}\right)(1+2\,\mathrm{Cos}[2\,\lambda 2])\,\mathrm{Sin}[\lambda 2]\right)\Big/\left(r\,r2\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\right)\Bigg)\Bigg)+$$

$$\mathrm{Cos}[\lambda]\,(-1+2\,\mathrm{Cos}[2\,\lambda])\left(\left(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}\left(-r^2-r2^2+r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}+r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}\right)\mathrm{Cos}[\lambda 2]\,(-1+2\,\mathrm{Cos}[2\,\lambda 2])\right)\Big/\left(r\,r2\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\right)-$$

$$\frac{1}{2\,r\,r2}\left(\left(2\left(r^2-2\,r\,r2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticE}\left[\frac{\theta 3}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\right)-\right.$$

$$\left.\left(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticF}\left[\frac{\theta 3}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\right)\mathrm{Sin}[3\,\lambda 2]\right)\Bigg)+$$

$$\frac{1}{r^2-r2^2}\,32\,r^2\,r2\left((1+2\,\mathrm{Cos}[2\,\lambda])\,\mathrm{Sin}[\lambda]\left(-\frac{1}{2\,r\,r2}\,\mathrm{Cos}[3\,\lambda 2]\right.\right.$$

$$\left(\left(2\left(r^2-2\,r\,r2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticE}\Big[\right.\right.$$

$$\frac{\theta 3}{2}, -\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\Big]\Big) \Big/ \left(\sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}\right) -$$

$$\left(2\left(r^2 + r2^2\right)\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}{r^2 - 2\, r\, r2 + r2^2}}\ \mathrm{EllipticF}\Big[\frac{\theta 3}{2},\right.$$

$$\left.-\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\Big]\right) \Big/ \left(\sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}\right)\Bigg) +$$

$$\left(\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}{r^2 + r2^2}}\left(-r^2 - r2^2 + r^2\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}{r^2 + r2^2}} +\right.\right.$$

$$\left.\left. r2^2\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}{r^2 + r2^2}}\right)(1 + 2\, \mathrm{Cos}[2\, \lambda 2])\, \mathrm{Sin}[\lambda 2]\right) \Big/$$

$$\left(r\, r2\sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}\right)\Bigg) + \mathrm{Cos}[\lambda]\,(-1 + 2\, \mathrm{Cos}[2\, \lambda])$$

$$\Bigg(\Bigg(\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}{r^2 + r2^2}}\left(-r^2 - r2^2 + r^2\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}{r^2 + r2^2}} +\right.$$

$$\left. r2^2\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}{r^2 + r2^2}}\right)\mathrm{Cos}[\lambda 2]$$

$$(-1 + 2\, \mathrm{Cos}[2\, \lambda 2])\Bigg) \Big/ \left(r\, r2\sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}\right) +$$

$$\frac{1}{2\, r\, r2}\Bigg(\Bigg(2\left(r^2 - 2\, r\, r2 + r2^2\right)\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}{r^2 - 2\, r\, r2 + r2^2}}$$

$$\mathrm{EllipticE}\Big[\frac{\theta 3}{2}, -\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\Big]\Big) \Big/ \left(\sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}\right) -$$

$$\left(2\left(r^2 + r2^2\right)\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}{r^2 - 2\, r\, r2 + r2^2}}\ \mathrm{EllipticF}\Big[\frac{\theta 3}{2},\right.$$

$$\left.-\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\Big]\right) \Big/ \left(\sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}\right)\Bigg)\, \mathrm{Sin}[3\, \lambda 2]\Bigg)\Bigg) -$$

$$\frac{1}{r^2 - r2^2}\, 12\, r2^3\left((1 + 2\, \mathrm{Cos}[2\, \lambda])\, \mathrm{Sin}[\lambda]\left(-\frac{1}{2\, r\, r2}\, \mathrm{Cos}[3\, \lambda 2]\right.\right.$$

$$\left(\left(2\left(r^2-2\,r\,r2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta3]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticE}\left[\frac{\theta3}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta3]}\right)-\left(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta3]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticF}\left[\frac{\theta3}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta3]}\right)\right)+\left(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta3]}{r^2+r2^2}}\left(-r^2-r2^2+r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta3]}{r^2+r2^2}}+r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta3]}{r^2+r2^2}}\right)(1+2\,\mathrm{Cos}[2\,\lambda2])\,\mathrm{Sin}[\lambda2]\right)\Big/\left(r\,r2\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta3]}\right)\right)+\mathrm{Cos}[\lambda]\,(-1+2\,\mathrm{Cos}[2\,\lambda])$$

$$\left(\left(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta3]}{r^2+r2^2}}\left(-r^2-r2^2+r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta3]}{r^2+r2^2}}+r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta3]}{r^2+r2^2}}\right)\mathrm{Cos}[\lambda2]\,(-1+2\,\mathrm{Cos}[2\,\lambda2])\right)\Big/\left(r\,r2\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta3]}\right)+\frac{1}{2\,r\,r2}\left(\left(2\left(r^2-2\,r\,r2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta3]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticE}\left[\frac{\theta3}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta3]}\right)-\left(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta3]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticF}\left[\frac{\theta3}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta3]}\right)\right)\mathrm{Sin}[3\,\lambda2]\right)\right)-$$

$$\frac{1}{r^2\left(r^2-r2^2\right)}\,8\,r2^5\left((1+2\,\mathrm{Cos}[2\,\lambda])\,\mathrm{Sin}[\lambda]\left(-\frac{1}{2\,r\,r2}\,\mathrm{Cos}[3\,\lambda2]\right.\right.$$

$$\left(\left(2\left(r^2-2\,r\,r2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta3]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticE}\Big[\right.\right.$$

$$\left.\frac{\theta3}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta3]}\right)-$$

$$\left(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta3]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticF}\Big[\frac{\theta3}{2},\right.$$

$$\left.\left.-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta3]}\right)\right)+$$

$$\left(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta3]}{r^2+r2^2}}\left(-r^2-r2^2+r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta3]}{r^2+r2^2}}+\right.\right.$$

$$\left.\left.r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta3]}{r^2+r2^2}}\right)(1+2\,\mathrm{Cos}[2\,\lambda2])\,\mathrm{Sin}[\lambda2]\right)\Big/$$

$$\left.\left(r\,r2\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta3]}\right)\right)+\mathrm{Cos}[\lambda]\,(-1+2\,\mathrm{Cos}[2\,\lambda])$$

$$\left(\left(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta3]}{r^2+r2^2}}\left(-r^2-r2^2+r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta3]}{r^2+r2^2}}+\right.\right.\right.$$

$$\left.r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta3]}{r^2+r2^2}}\right)\mathrm{Cos}[\lambda2]$$

$$\left.(-1+2\,\mathrm{Cos}[2\,\lambda2])\right)\Big/\left(r\,r2\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta3]}\right)+$$

$$\frac{1}{2\,r\,r2}\left(\left(2\left(r^2-2\,r\,r2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta3]}{r^2-2\,r\,r2+r2^2}}\right.\right.$$

$$\left.\mathrm{EllipticE}\Big[\frac{\theta3}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta3]}\right)-$$

$$\left(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta3]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticF}\Big[\frac{\theta3}{2},\right.$$

$$-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\Big)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta3]}\right)\Big)\,\mathrm{Sin}[3\,\lambda2]\Big)\Big)+$$

$$\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta3]}\,\Big(-\Big(\Big(2\,\Big(-15\,r^2\,r1^3\,\mathrm{Cos}[\theta3+3\,\lambda-3\,\lambda1]-$$
$$5\,r1^5\,\mathrm{Cos}[\theta3+3\,\lambda-3\,\lambda1]-3\,r^2\,r1^3\,\mathrm{Cos}[\theta3+\lambda-\lambda1]+$$
$$15\,r1^5\,\mathrm{Cos}[\theta3+\lambda-\lambda1]+3\,r^2\,r1^3\,\mathrm{Cos}[\theta3-\lambda+\lambda1]-15\,r1^5\,\mathrm{Cos}[\theta3-\lambda+\lambda1]+$$
$$15\,r^2\,r1^3\,\mathrm{Cos}[\theta3-3\,\lambda+3\,\lambda1]+5\,r1^5\,\mathrm{Cos}[\theta3-3\,\lambda+3\,\lambda1]+$$
$$15\,r^2\,r1^3\,\mathrm{Cos}[\theta3+3\,\lambda-3\,\lambda2]+5\,r1^5\,\mathrm{Cos}[\theta3+3\,\lambda-3\,\lambda2]+$$
$$3\,r^2\,r1^3\,\mathrm{Cos}[\theta3+\lambda-\lambda2]-15\,r1^5\,\mathrm{Cos}[\theta3+\lambda-\lambda2]-$$
$$3\,r^2\,r1^3\,\mathrm{Cos}[\theta3-\lambda+\lambda2]+15\,r1^5\,\mathrm{Cos}[\theta3-\lambda+\lambda2]-$$
$$15\,r^2\,r1^3\,\mathrm{Cos}[\theta3-3\,\lambda+3\,\lambda2]-5\,r1^5\,\mathrm{Cos}[\theta3-3\,\lambda+3\,\lambda2]\Big)\Big)\Big/$$
$$\left(r^2\left(r^2-r1^2\right)\left(-r^2-r1^2+2\,r\,r1\,\mathrm{Cos}[\theta3]\right)\right)\Big)-$$
$$\frac{1}{r^2\left(-r^2-r1^2+2\,r\,r1\,\mathrm{Cos}[\theta3]\right)^2}\,2\,\Big(-r^2\,r1^3\,\mathrm{Cos}[\theta3+3\,\lambda-3\,\lambda1]+$$
$$r1^5\,\mathrm{Cos}[\theta3+3\,\lambda-3\,\lambda1]+3\,r^2\,r1^3\,\mathrm{Cos}[\theta3+\lambda-\lambda1]-$$
$$3\,r1^5\,\mathrm{Cos}[\theta3+\lambda-\lambda1]-3\,r^2\,r1^3\,\mathrm{Cos}[\theta3-\lambda+\lambda1]+$$
$$3\,r1^5\,\mathrm{Cos}[\theta3-\lambda+\lambda1]+r^2\,r1^3\,\mathrm{Cos}[\theta3-3\,\lambda+3\,\lambda1]-$$
$$r1^5\,\mathrm{Cos}[\theta3-3\,\lambda+3\,\lambda1]+r^2\,r1^3\,\mathrm{Cos}[\theta3+3\,\lambda-3\,\lambda2]-$$
$$r1^5\,\mathrm{Cos}[\theta3+3\,\lambda-3\,\lambda2]-3\,r^2\,r1^3\,\mathrm{Cos}[\theta3+\lambda-\lambda2]+$$
$$3\,r1^5\,\mathrm{Cos}[\theta3+\lambda-\lambda2]+3\,r^2\,r1^3\,\mathrm{Cos}[\theta3-\lambda+\lambda2]-$$
$$3\,r1^5\,\mathrm{Cos}[\theta3-\lambda+\lambda2]-r^2\,r1^3\,\mathrm{Cos}[\theta3-3\,\lambda+3\,\lambda2]+$$
$$r1^5\,\mathrm{Cos}[\theta3-3\,\lambda+3\,\lambda2]\Big)+$$
$$\frac{1}{r^2-r1^2}\,32\,\mathrm{Csc}[\theta3]\,\Big(-2\,r1\,\mathrm{Sin}[3\,\lambda-3\,\lambda1]-r\,\mathrm{Sin}[\theta3+3\,\lambda-3\,\lambda1]+$$
$$r\,\mathrm{Sin}[\theta3-3\,\lambda+3\,\lambda1]+2\,r1\,\mathrm{Sin}[3\,\lambda-3\,\lambda2]+$$
$$r\,\mathrm{Sin}[\theta3+3\,\lambda-3\,\lambda2]-r\,\mathrm{Sin}[\theta3-3\,\lambda+3\,\lambda2]\Big)\Big)+$$

$$\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta3]}\,\Big(\frac{1}{r^2\left(r^2-r2^2\right)\left(-r^2-r2^2+2\,r\,r2\,\mathrm{Cos}[\theta3]\right)}$$
$$2\,\Big(-15\,r^2\,r2^3\,\mathrm{Cos}[\theta3+3\,\lambda-3\,\lambda1]-5\,r2^5\,\mathrm{Cos}[\theta3+3\,\lambda-3\,\lambda1]-$$
$$3\,r^2\,r2^3\,\mathrm{Cos}[\theta3+\lambda-\lambda1]+15\,r2^5\,\mathrm{Cos}[\theta3+\lambda-\lambda1]+$$
$$3\,r^2\,r2^3\,\mathrm{Cos}[\theta3-\lambda+\lambda1]-15\,r2^5\,\mathrm{Cos}[\theta3-\lambda+\lambda1]+$$
$$15\,r^2\,r2^3\,\mathrm{Cos}[\theta3-3\,\lambda+3\,\lambda1]+5\,r2^5\,\mathrm{Cos}[\theta3-3\,\lambda+3\,\lambda1]+$$
$$15\,r^2\,r2^3\,\mathrm{Cos}[\theta3+3\,\lambda-3\,\lambda2]+5\,r2^5\,\mathrm{Cos}[\theta3+3\,\lambda-3\,\lambda2]+$$
$$3\,r^2\,r2^3\,\mathrm{Cos}[\theta3+\lambda-\lambda2]-15\,r2^5\,\mathrm{Cos}[\theta3+\lambda-\lambda2]-$$
$$3\,r^2\,r2^3\,\mathrm{Cos}[\theta3-\lambda+\lambda2]+15\,r2^5\,\mathrm{Cos}[\theta3-\lambda+\lambda2]-$$
$$15\,r^2\,r2^3\,\mathrm{Cos}[\theta3-3\,\lambda+3\,\lambda2]-5\,r2^5\,\mathrm{Cos}[\theta3-3\,\lambda+3\,\lambda2]\Big)+$$
$$\frac{1}{r^2\left(-r^2-r2^2+2\,r\,r2\,\mathrm{Cos}[\theta3]\right)^2}\,2\,\Big(-r^2\,r2^3\,\mathrm{Cos}[\theta3+3\,\lambda-3\,\lambda1]+$$
$$r2^5\,\mathrm{Cos}[\theta3+3\,\lambda-3\,\lambda1]+3\,r^2\,r2^3\,\mathrm{Cos}[\theta3+\lambda-\lambda1]-$$
$$3\,r2^5\,\mathrm{Cos}[\theta3+\lambda-\lambda1]-3\,r^2\,r2^3\,\mathrm{Cos}[\theta3-\lambda+\lambda1]+$$
$$3\,r2^5\,\mathrm{Cos}[\theta3-\lambda+\lambda1]+r^2\,r2^3\,\mathrm{Cos}[\theta3-3\,\lambda+3\,\lambda1]-$$

$$r2^5 \operatorname{Cos}[\theta 3 - 3\lambda + 3\lambda 1] + r^2 r2^3 \operatorname{Cos}[\theta 3 + 3\lambda - 3\lambda 2] -$$
$$r2^5 \operatorname{Cos}[\theta 3 + 3\lambda - 3\lambda 2] - 3 r^2 r2^3 \operatorname{Cos}[\theta 3 + \lambda - \lambda 2] +$$
$$3 r2^5 \operatorname{Cos}[\theta 3 + \lambda - \lambda 2] + 3 r^2 r2^3 \operatorname{Cos}[\theta 3 - \lambda + \lambda 2] - 3 r2^5 \operatorname{Cos}[\theta 3 - \lambda + \lambda 2] -$$
$$r^2 r2^3 \operatorname{Cos}[\theta 3 - 3\lambda + 3\lambda 2] + r2^5 \operatorname{Cos}[\theta 3 - 3\lambda + 3\lambda 2]) -$$
$$\frac{1}{r^2 - r2^2} 32 \operatorname{Csc}[\theta 3] (-2 r2 \operatorname{Sin}[3\lambda - 3\lambda 1] - r \operatorname{Sin}[\theta 3 + 3\lambda - 3\lambda 1] +$$
$$r \operatorname{Sin}[\theta 3 - 3\lambda + 3\lambda 1] + 2 r2 \operatorname{Sin}[3\lambda - 3\lambda 2] +$$
$$r \operatorname{Sin}[\theta 3 + 3\lambda - 3\lambda 2] - r \operatorname{Sin}[\theta 3 - 3\lambda + 3\lambda 2]))\Bigg)$$

```
In[ ]:= G * rho * (Vyyxθ3[θ2] - Vyyxθ3[θ1])
```

```
In[ ]:= Vyyx[λ1_, λ2_, θ1_, θ2_] :=
```

$$G\,rho \Bigg(-\frac{1}{96 r}\Bigg(-\Bigg(\Bigg(64 r r1^2 \sqrt{\frac{r^2 + r1^2 - 2 r r1 \operatorname{Cos}[\theta 1]}{r^2 - 2 r r1 + r1^2}} \operatorname{EllipticF}\Big[\frac{\theta 1}{2}, -\frac{4 r r1}{r^2 - 2 r r1 + r1^2}\Big]$$
$$\operatorname{Sin}[3\lambda - 3\lambda 1]\Bigg) \Big/ \Big((r^2 - r1^2) \sqrt{r^2 + r1^2 - 2 r r1 \operatorname{Cos}[\theta 1]}\Big)\Bigg) +$$
$$\Bigg(16 r1^4 \sqrt{\frac{r^2 + r1^2 - 2 r r1 \operatorname{Cos}[\theta 1]}{r^2 - 2 r r1 + r1^2}} \operatorname{EllipticF}\Big[\frac{\theta 1}{2}, -\frac{4 r r1}{r^2 - 2 r r1 + r1^2}\Big]$$
$$\operatorname{Sin}[3\lambda - 3\lambda 1]\Bigg) \Big/ \Big(r (r^2 - r1^2) \sqrt{r^2 + r1^2 - 2 r r1 \operatorname{Cos}[\theta 1]}\Big) +$$
$$\Bigg(64 r r2^2 \sqrt{\frac{r^2 + r2^2 - 2 r r2 \operatorname{Cos}[\theta 1]}{r^2 - 2 r r2 + r2^2}} \operatorname{EllipticF}\Big[\frac{\theta 1}{2}, -\frac{4 r r2}{r^2 - 2 r r2 + r2^2}\Big]$$
$$\operatorname{Sin}[3\lambda - 3\lambda 1]\Bigg) \Big/ \Big((r^2 - r2^2) \sqrt{r^2 + r2^2 - 2 r r2 \operatorname{Cos}[\theta 1]}\Big) -$$
$$\Bigg(16 r2^4 \sqrt{\frac{r^2 + r2^2 - 2 r r2 \operatorname{Cos}[\theta 1]}{r^2 - 2 r r2 + r2^2}} \operatorname{EllipticF}\Big[\frac{\theta 1}{2}, -\frac{4 r r2}{r^2 - 2 r r2 + r2^2}\Big]$$
$$\operatorname{Sin}[3\lambda - 3\lambda 1]\Bigg) \Big/ \Big(r (r^2 - r2^2) \sqrt{r^2 + r2^2 - 2 r r2 \operatorname{Cos}[\theta 1]}\Big) -$$
$$\Bigg(48 r1^4 \sqrt{\frac{r^2 + r1^2 - 2 r r1 \operatorname{Cos}[\theta 1]}{r^2 - 2 r r1 + r1^2}} \operatorname{EllipticF}\Big[\frac{\theta 1}{2}, -\frac{4 r r1}{r^2 - 2 r r1 + r1^2}\Big]$$
$$\operatorname{Sin}[\lambda - \lambda 1]\Bigg) \Big/ \Big(r (r^2 - r1^2) \sqrt{r^2 + r1^2 - 2 r r1 \operatorname{Cos}[\theta 1]}\Big) +$$

$$\left(48\, r2^4 \sqrt{\frac{r^2+r2^2-2\, r\, r2\, \mathrm{Cos}[\theta 1]}{r^2-2\, r\, r2+r2^2}}\ \mathrm{EllipticF}\left[\frac{\theta 1}{2}, -\frac{4\, r\, r2}{r^2-2\, r\, r2+r2^2}\right]\right.$$

$$\left.\mathrm{Sin}[\lambda-\lambda 1]\right) \Big/ \left(r\left(r^2-r2^2\right)\sqrt{r^2+r2^2-2\, r\, r2\, \mathrm{Cos}[\theta 1]}\right)+$$

$$\frac{1}{r^2-r1^2}\, 12\, r1^3 \left(-\mathrm{Sin}[\lambda]\left(-\frac{1}{2\, r\, r1}\mathrm{Cos}[\lambda 1]\left(\left(2\left(r^2-2\, r\, r1+r1^2\right)\right.\right.\right.\right.$$

$$\sqrt{\frac{r^2+r1^2-2\, r\, r1\, \mathrm{Cos}[\theta 1]}{r^2-2\, r\, r1+r1^2}}\ \mathrm{EllipticE}\left[\frac{\theta 1}{2},\right.$$

$$\left.-\frac{4\, r\, r1}{r^2-2\, r\, r1+r1^2}\right]\Big) \Big/ \left(\sqrt{r^2+r1^2-2\, r\, r1\, \mathrm{Cos}[\theta 1]}\right)-$$

$$\left(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\, r\, r1\, \mathrm{Cos}[\theta 1]}{r^2-2\, r\, r1+r1^2}}\ \mathrm{EllipticF}\left[\frac{\theta 1}{2},\right.\right.$$

$$\left.\left.-\frac{4\, r\, r1}{r^2-2\, r\, r1+r1^2}\right]\right) \Big/ \left(\sqrt{r^2+r1^2-2\, r\, r1\, \mathrm{Cos}[\theta 1]}\right)\Bigg)-$$

$$\left(\sqrt{\frac{r^2+r1^2-2\, r\, r1\, \mathrm{Cos}[\theta 1]}{r^2+r1^2}}\left(-r^2-r1^2+r^2\sqrt{\frac{r^2+r1^2-2\, r\, r1\, \mathrm{Cos}[\theta 1]}{r^2+r1^2}}+\right.\right.$$

$$\left.r1^2\sqrt{\frac{r^2+r1^2-2\, r\, r1\, \mathrm{Cos}[\theta 1]}{r^2+r1^2}}\right)$$

$$\left.\mathrm{Sin}[\lambda 1]\right) \Big/ \left(r\, r1\sqrt{r^2+r1^2-2\, r\, r1\, \mathrm{Cos}[\theta 1]}\right)\Bigg)+$$

$$\mathrm{Cos}[\lambda]\left(\left(\sqrt{\frac{r^2+r1^2-2\, r\, r1\, \mathrm{Cos}[\theta 1]}{r^2+r1^2}}\left(-r^2-r1^2+r^2\right.\right.\right.$$

$$\left.\left.\sqrt{\frac{r^2+r1^2-2\, r\, r1\, \mathrm{Cos}[\theta 1]}{r^2+r1^2}}+r1^2\sqrt{\frac{r^2+r1^2-2\, r\, r1\, \mathrm{Cos}[\theta 1]}{r^2+r1^2}}\right)$$

$$\left.\mathrm{Cos}[\lambda 1]\right) \Big/ \left(r\, r1\sqrt{r^2+r1^2-2\, r\, r1\, \mathrm{Cos}[\theta 1]}\right)-\frac{1}{2\, r\, r1}$$

$$\left(\left(2\left(r^2-2\, r\, r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\, r\, r1\, \mathrm{Cos}[\theta 1]}{r^2-2\, r\, r1+r1^2}}\ \mathrm{EllipticE}\right[\right.$$

$$\frac{\theta 1}{2}, -\frac{4\, r\, r1}{r^2 - 2\, r\, r1 + r1^2}\Big]\Big) \Big/ \left(\sqrt{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 1]}\right) -$$

$$\left(2\left(r^2 + r1^2\right)\sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 1]}{r^2 - 2\, r\, r1 + r1^2}}\ \mathrm{EllipticF}\Big[\right.$$

$$\left.\frac{\theta 1}{2}, -\frac{4\, r\, r1}{r^2 - 2\, r\, r1 + r1^2}\Big]\right) \Big/$$

$$\left.\left(\sqrt{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 1]}\right)\right) \mathrm{Sin}[\lambda 1]\Bigg)\Bigg) -$$

$$\frac{1}{r^2\left(r^2 - r1^2\right)}\, 24\, r1^5 \Bigg(-\mathrm{Sin}[\lambda]\Bigg(-\frac{1}{2\, r\, r1}\, \mathrm{Cos}[\lambda 1]\Bigg(\Bigg(2\left(r^2 - 2\, r\, r1 + r1^2\right)$$

$$\sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 1]}{r^2 - 2\, r\, r1 + r1^2}}\ \mathrm{EllipticE}\Big[\frac{\theta 1}{2},$$

$$-\frac{4\, r\, r1}{r^2 - 2\, r\, r1 + r1^2}\Big]\Big) \Big/ \left(\sqrt{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 1]}\right) -$$

$$\left(2\left(r^2 + r1^2\right)\sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 1]}{r^2 - 2\, r\, r1 + r1^2}}\ \mathrm{EllipticF}\Big[\frac{\theta 1}{2},\right.$$

$$\left.-\frac{4\, r\, r1}{r^2 - 2\, r\, r1 + r1^2}\Big]\right) \Big/ \left(\sqrt{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 1]}\right)\Bigg) -$$

$$\Bigg(\sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 1]}{r^2 + r1^2}}\ \Bigg(-r^2 - r1^2 + r^2\sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 1]}{r^2 + r1^2}} +$$

$$r1^2\sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 1]}{r^2 + r1^2}}\Bigg)$$

$$\mathrm{Sin}[\lambda 1]\Bigg) \Big/ \left(r\, r1\sqrt{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 1]}\right)\Bigg) +$$

$$\mathrm{Cos}[\lambda]\Bigg(\Bigg(\sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 1]}{r^2 + r1^2}}\ \Bigg(-r^2 - r1^2 + r^2$$

$$\sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 1]}{r^2 + r1^2}} + r1^2\sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 1]}{r^2 + r1^2}}\Bigg)$$

$$\text{Cos}[\lambda 1]\Big)\Big/\left(r\,r1\,\sqrt{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 1]}\right)-\frac{1}{2\,r\,r1}$$

$$\Bigg(\Bigg(2\left(r^2-2\,r\,r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 1]}{r^2-2\,r\,r1+r1^2}}\;\text{EllipticE}\Big[$$

$$\frac{\theta 1}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Bigg)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 1]}\right)-$$

$$\Bigg(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 1]}{r^2-2\,r\,r1+r1^2}}\;\text{EllipticF}\Big[$$

$$\frac{\theta 1}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Bigg)\Big/$$

$$\left(\sqrt{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 1]}\right)\Bigg)\,\text{Sin}[\lambda 1]\Bigg)\Bigg)-$$

$$\frac{1}{r^2-r1^2}\,12\,r1^3\Bigg(\text{Sin}[\lambda]\Bigg(-\frac{1}{2\,r\,r1}\,\text{Cos}[\lambda 1]\Bigg(\Bigg(2\left(r^2-2\,r\,r1+r1^2\right)$$

$$\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 1]}{r^2-2\,r\,r1+r1^2}}\;\text{EllipticE}\Big[\frac{\theta 1}{2},$$

$$-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Bigg)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 1]}\right)-$$

$$\Bigg(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 1]}{r^2-2\,r\,r1+r1^2}}\;\text{EllipticF}\Big[\frac{\theta 1}{2},$$

$$-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Bigg)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 1]}\right)\Bigg)+$$

$$\Bigg(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 1]}{r^2+r1^2}}\Bigg(-r^2-r1^2+r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 1]}{r^2+r1^2}}+$$

$$r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 1]}{r^2+r1^2}}\Bigg)$$

$$\text{Sin}[\lambda 1]\Bigg)\Big/\left(r\,r1\,\sqrt{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 1]}\right)\Bigg)+$$

$$\text{Cos}[\lambda]\left(\left(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 1]}{r^2+r1^2}}\left(-r^2-r1^2+r^2\right.\right.\right.$$

$$\left.\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 1]}{r^2+r1^2}}+r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 1]}{r^2+r1^2}}\right)$$

$$\left.\text{Cos}[\lambda 1]\right)\Big/\left(r\,r1\sqrt{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 1]}\right)+\frac{1}{2\,r\,r1}$$

$$\left(\left(2\left(r^2-2\,r\,r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 1]}{r^2-2\,r\,r1+r1^2}}\,\text{EllipticE}\Big[\right.\right.$$

$$\left.\frac{\theta 1}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 1]}\right)-$$

$$\left(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 1]}{r^2-2\,r\,r1+r1^2}}\,\text{EllipticF}\Big[\right.$$

$$\left.\frac{\theta 1}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\right)\Big/$$

$$\left.\left.\left(\sqrt{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 1]}\right)\right)\text{Sin}[\lambda 1]\right)\right)+$$

$$\frac{1}{r^2\left(r^2-r1^2\right)}\,24\,r1^5\left(\text{Sin}[\lambda]\left(-\frac{1}{2\,r\,r1}\,\text{Cos}[\lambda 1]\left(\left(2\left(r^2-2\,r\,r1+r1^2\right)\right.\right.\right.\right.$$

$$\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 1]}{r^2-2\,r\,r1+r1^2}}\,\text{EllipticE}\Big[\frac{\theta 1}{2},$$

$$\left.-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 1]}\right)-$$

$$\left(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 1]}{r^2-2\,r\,r1+r1^2}}\,\text{EllipticF}\Big[\frac{\theta 1}{2},\right.$$

$$\left.\left.-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 1]}\right)\right)+$$

$$\left(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 1]}{r^2+r1^2}}\left(-r^2-r1^2+r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 1]}{r^2+r1^2}}+\right.\right.$$

$$r1^2 \sqrt{\frac{r^2 + r1^2 - 2\, r\, r1 \operatorname{Cos}[\theta 1]}{r^2 + r1^2}}\Bigg)$$

$$\operatorname{Sin}[\lambda 1]\Bigg) \Big/ \left(r\, r1 \sqrt{r^2 + r1^2 - 2\, r\, r1 \operatorname{Cos}[\theta 1]}\right)\Bigg) +$$

$$\operatorname{Cos}[\lambda] \Bigg(\Bigg(\sqrt{\frac{r^2 + r1^2 - 2\, r\, r1 \operatorname{Cos}[\theta 1]}{r^2 + r1^2}} \Bigg(-r^2 - r1^2 + r^2$$

$$\sqrt{\frac{r^2 + r1^2 - 2\, r\, r1 \operatorname{Cos}[\theta 1]}{r^2 + r1^2}} + r1^2 \sqrt{\frac{r^2 + r1^2 - 2\, r\, r1 \operatorname{Cos}[\theta 1]}{r^2 + r1^2}}\Bigg)$$

$$\operatorname{Cos}[\lambda 1]\Bigg) \Big/ \left(r\, r1 \sqrt{r^2 + r1^2 - 2\, r\, r1 \operatorname{Cos}[\theta 1]}\right) + \frac{1}{2\, r\, r1}$$

$$\Bigg(\Bigg(2 \left(r^2 - 2\, r\, r1 + r1^2\right) \sqrt{\frac{r^2 + r1^2 - 2\, r\, r1 \operatorname{Cos}[\theta 1]}{r^2 - 2\, r\, r1 + r1^2}} \operatorname{EllipticE}\Big[$$

$$\frac{\theta 1}{2}, -\frac{4\, r\, r1}{r^2 - 2\, r\, r1 + r1^2}\Big]\Bigg) \Big/ \left(\sqrt{r^2 + r1^2 - 2\, r\, r1 \operatorname{Cos}[\theta 1]}\right) -$$

$$\Bigg(2 \left(r^2 + r1^2\right) \sqrt{\frac{r^2 + r1^2 - 2\, r\, r1 \operatorname{Cos}[\theta 1]}{r^2 - 2\, r\, r1 + r1^2}} \operatorname{EllipticF}\Big[$$

$$\frac{\theta 1}{2}, -\frac{4\, r\, r1}{r^2 - 2\, r\, r1 + r1^2}\Big]\Bigg) \Big/$$

$$\left(\sqrt{r^2 + r1^2 - 2\, r\, r1 \operatorname{Cos}[\theta 1]}\right)\Bigg) \operatorname{Sin}[\lambda 1]\Bigg)\Bigg) -$$

$$\frac{1}{r^2 - r2^2}\, 12\, r2^3 \Bigg(-\operatorname{Sin}[\lambda] \Bigg(-\frac{1}{2\, r\, r2} \operatorname{Cos}[\lambda 1] \Bigg(\Bigg(2 \left(r^2 - 2\, r\, r2 + r2^2\right)$$

$$\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2 \operatorname{Cos}[\theta 1]}{r^2 - 2\, r\, r2 + r2^2}} \operatorname{EllipticE}\Big[\frac{\theta 1}{2},$$

$$-\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\Big]\Bigg) \Big/ \left(\sqrt{r^2 + r2^2 - 2\, r\, r2 \operatorname{Cos}[\theta 1]}\right) -$$

$$\Bigg(2 \left(r^2 + r2^2\right) \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2 \operatorname{Cos}[\theta 1]}{r^2 - 2\, r\, r2 + r2^2}} \operatorname{EllipticF}\Big[\frac{\theta 1}{2},$$

$$-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\Big)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}\right)\Big)-$$

$$\left(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}\left(-r^2-r2^2+r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}+\right.\right.$$

$$\left.r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}\right)$$

$$\left.\mathrm{Sin}[\lambda 1]\right)\Big/\left(r\,r2\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}\right)\Big)+$$

$$\mathrm{Cos}[\lambda]\left(\left(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}\left(-r^2-r2^2+r^2\right.\right.\right.$$

$$\left.\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}+r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}\right)$$

$$\left.\mathrm{Cos}[\lambda 1]\right)\Big/\left(r\,r2\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}\right)-\frac{1}{2\,r\,r2}$$

$$\left(\left(2\left(r^2-2\,r\,r2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r2+r2^2}}\,\mathrm{EllipticE}\Big[\right.\right.$$

$$\left.\frac{\theta 1}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}\right)-$$

$$\left(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r2+r2^2}}\,\mathrm{EllipticF}\Big[\right.$$

$$\left.\frac{\theta 1}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\right)\Big/$$

$$\left.\left.\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}\right)\right)\mathrm{Sin}[\lambda 1]\right)\Big)+$$

$$\frac{1}{r^2\left(r^2-r2^2\right)}\,24\,r2^5\left(-\mathrm{Sin}[\lambda]\left(-\frac{1}{2\,r\,r2}\,\mathrm{Cos}[\lambda 1]\left(\left(2\left(r^2-2\,r\,r2+r2^2\right)\right.\right.\right.\right.$$

$$\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r2+r2^2}}\,\mathrm{EllipticE}\Big[\frac{\theta 1}{2},$$

$$-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\Big)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}\right)-$$

$$\left(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticF}\Big[\frac{\theta 1}{2},\right.$$

$$\left.-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}\right)\Bigg)-$$

$$\left(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}\left(-r^2-r2^2+r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}+\right.\right.$$

$$\left.r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}\right)$$

$$\left.\mathrm{Sin}[\lambda 1]\right)\Big/\left(r\,r2\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}\right)\Bigg)+$$

$$\mathrm{Cos}[\lambda]\left(\left(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}\left(-r^2-r2^2+r^2\right.\right.\right.$$

$$\left.\left.\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}+r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}\right)$$

$$\left.\mathrm{Cos}[\lambda 1]\right)\Big/\left(r\,r2\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}\right)-\frac{1}{2\,r\,r2}$$

$$\left(\left(2\left(r^2-2\,r\,r2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticE}\Big[\right.\right.$$

$$\left.\frac{\theta 1}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}\right)-$$

$$\left(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticF}\Big[\right.$$

$$\left.\frac{\theta 1}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\right)\Big/$$

$$\left.\left.\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}\right)\right)\mathrm{Sin}[\lambda 1]\right)\Bigg)+$$

$$\frac{1}{r^2 - r2^2}\, 12\, r2^3 \left(\mathrm{Sin}[\lambda] \left(-\frac{1}{2\, r\, r2}\, \mathrm{Cos}[\lambda 1] \left(\left(2\left(r^2 - 2\, r\, r2 + r2^2\right)\right.\right.\right.\right.$$

$$\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 1]}{r^2 - 2\, r\, r2 + r2^2}}\ \mathrm{EllipticE}\left[\frac{\theta 1}{2},\right.$$

$$\left.\left.-\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\right]\right) \Big/ \left(\sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 1]}\right) -$$

$$\left(2\left(r^2 + r2^2\right) \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 1]}{r^2 - 2\, r\, r2 + r2^2}}\ \mathrm{EllipticF}\left[\frac{\theta 1}{2},\right.\right.$$

$$\left.\left.\left.-\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\right]\right) \Big/ \left(\sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 1]}\right)\right) +$$

$$\left(\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 1]}{r^2 + r2^2}} \left(-r^2 - r2^2 + r^2 \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 1]}{r^2 + r2^2}} +\right.\right.$$

$$\left.\left. r2^2 \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 1]}{r^2 + r2^2}}\right)$$

$$\left.\mathrm{Sin}[\lambda 1]\right) \Big/ \left(r\, r2 \sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 1]}\right)\Bigg) +$$

$$\mathrm{Cos}[\lambda] \left(\left(\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 1]}{r^2 + r2^2}} \left(-r^2 - r2^2 + r^2\right.\right.\right.$$

$$\left.\left. \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 1]}{r^2 + r2^2}} + r2^2 \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 1]}{r^2 + r2^2}}\right)$$

$$\left.\mathrm{Cos}[\lambda 1]\right) \Big/ \left(r\, r2 \sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 1]}\right) + \frac{1}{2\, r\, r2}$$

$$\left(\left(2\left(r^2 - 2\, r\, r2 + r2^2\right) \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 1]}{r^2 - 2\, r\, r2 + r2^2}}\ \mathrm{EllipticE}\left[\right.\right.\right.$$

$$\left.\left.\frac{\theta 1}{2}, -\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\right]\right) \Big/ \left(\sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 1]}\right) -$$

$$\left(2\left(r^2 + r2^2\right) \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 1]}{r^2 - 2\, r\, r2 + r2^2}}\ \mathrm{EllipticF}\left[\right.\right.$$

$$\frac{\theta 1}{2}, -\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\Big)\Big/$$

$$\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}\right)\Big)\,\mathrm{Sin}[\lambda 1]\Big)\Big)-$$

$$\frac{1}{r^2\left(r^2-r2^2\right)}\,24\,r2^5\Big(\mathrm{Sin}[\lambda]\Big(-\frac{1}{2\,r\,r2}\,\mathrm{Cos}[\lambda 1]\Big(\Big(2\left(r^2-2\,r\,r2+r2^2\right)$$

$$\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticE}\Big[\frac{\theta 1}{2},$$

$$-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\Big)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}\right)-$$

$$\Big(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticF}\Big[\frac{\theta 1}{2},$$

$$-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\Big)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}\right)\Big)+$$

$$\Big(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}\;\Big(-r^2-r2^2+r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}+$$

$$r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}\Big)$$

$$\mathrm{Sin}[\lambda 1]\Big)\Big/\left(r\,r2\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}\right)\Big)+$$

$$\mathrm{Cos}[\lambda]\Big(\Big(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}\;\Big(-r^2-r2^2+r^2$$

$$\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}+r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}\Big)$$

$$\mathrm{Cos}[\lambda 1]\Big)\Big/\left(r\,r2\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}\right)+\frac{1}{2\,r\,r2}$$

$$\Big(\Big(2\left(r^2-2\,r\,r2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticE}\Big[$$

$$\frac{\theta 1}{2}, -\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\Big]\Big) \Big/ \left(\sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 1]}\right) -$$

$$\left(2\left(r^2 + r2^2\right)\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 1]}{r^2 - 2\, r\, r2 + r2^2}}\ \mathrm{EllipticF}\Big[\right.$$

$$\left.\frac{\theta 1}{2}, -\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\Big]\right) \Big/$$

$$\left.\left(\sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 1]}\right)\right) \mathrm{Sin}[\lambda 1]\Bigg)\Bigg) -$$

$$\frac{1}{r^2 - r1^2}\, 32\, r^2\, r1 \Bigg(-\Bigg((1 + 2\, \mathrm{Cos}[2\, \lambda])\, \mathrm{Sin}[\lambda]\, \Bigg(-\frac{1}{2\, r\, r1}\, \mathrm{Cos}[3\, \lambda 1]$$

$$\Bigg(\Bigg(2\left(r^2 - 2\, r\, r1 + r1^2\right)\sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 1]}{r^2 - 2\, r\, r1 + r1^2}}\ \mathrm{EllipticE}\Big[\frac{\theta 1}{2},$$

$$-\frac{4\, r\, r1}{r^2 - 2\, r\, r1 + r1^2}\Big]\Bigg) \Big/ \left(\sqrt{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 1]}\right) -$$

$$\Bigg(2\left(r^2 + r1^2\right)\sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 1]}{r^2 - 2\, r\, r1 + r1^2}}\ \mathrm{EllipticF}\Big[$$

$$\frac{\theta 1}{2}, -\frac{4\, r\, r1}{r^2 - 2\, r\, r1 + r1^2}\Big]\Bigg) \Big/ \left(\sqrt{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 1]}\right)\Bigg) -$$

$$\Bigg(\sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 1]}{r^2 + r1^2}}\ \Bigg(-r^2 - r1^2 + r^2$$

$$\sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 1]}{r^2 + r1^2}} + r1^2\sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 1]}{r^2 + r1^2}}\Bigg)$$

$$(1 + 2\, \mathrm{Cos}[2\, \lambda 1])\, \mathrm{Sin}[\lambda 1]\Bigg) \Big/ \left(r\, r1\sqrt{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 1]}\right)\Bigg)\Bigg) +$$

$$\mathrm{Cos}[\lambda]\, (-1 + 2\, \mathrm{Cos}[2\, \lambda])\, \Bigg(\Bigg(\sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 1]}{r^2 + r1^2}}\ \Bigg(-r^2 - r1^2 +$$

$$r^2\sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 1]}{r^2 + r1^2}} + r1^2\sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 1]}{r^2 + r1^2}}\Bigg)$$

$$\text{Cos}[\lambda 1]\ (-1+2\,\text{Cos}[2\,\lambda 1])\Big)\Big/\Big(r\ r1\ \sqrt{r^2+r1^2-2\ r\ r1\ \text{Cos}[\theta 1]}\Big)-$$

$$\frac{1}{2\ r\ r1}\Bigg(\Bigg(2\left(r^2-2\ r\ r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\ r\ r1\ \text{Cos}[\theta 1]}{r^2-2\ r\ r1+r1^2}}\ \text{EllipticE}\Big[$$

$$\frac{\theta 1}{2},-\frac{4\ r\ r1}{r^2-2\ r\ r1+r1^2}\Big]\Bigg)\Big/\Big(\sqrt{r^2+r1^2-2\ r\ r1\ \text{Cos}[\theta 1]}\Big)-$$

$$\Bigg(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\ r\ r1\ \text{Cos}[\theta 1]}{r^2-2\ r\ r1+r1^2}}\ \text{EllipticF}\Big[$$

$$\frac{\theta 1}{2},-\frac{4\ r\ r1}{r^2-2\ r\ r1+r1^2}\Big]\Bigg)\Big/$$

$$\Big(\sqrt{r^2+r1^2-2\ r\ r1\ \text{Cos}[\theta 1]}\Big)\Bigg)\ \text{Sin}[3\,\lambda 1]\Bigg)\Bigg)+$$

$$\frac{1}{r^2-r1^2}\ 12\ r1^3\Bigg(-\Bigg((1+2\,\text{Cos}[2\,\lambda])\ \text{Sin}[\lambda]\ \Bigg(-\frac{1}{2\ r\ r1}\ \text{Cos}[3\,\lambda 1]$$

$$\Bigg(\Bigg(2\left(r^2-2\ r\ r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\ r\ r1\ \text{Cos}[\theta 1]}{r^2-2\ r\ r1+r1^2}}\ \text{EllipticE}\Big[\frac{\theta 1}{2},$$

$$-\frac{4\ r\ r1}{r^2-2\ r\ r1+r1^2}\Big]\Bigg)\Big/\Big(\sqrt{r^2+r1^2-2\ r\ r1\ \text{Cos}[\theta 1]}\Big)-$$

$$\Bigg(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\ r\ r1\ \text{Cos}[\theta 1]}{r^2-2\ r\ r1+r1^2}}\ \text{EllipticF}\Big[$$

$$\frac{\theta 1}{2},-\frac{4\ r\ r1}{r^2-2\ r\ r1+r1^2}\Big]\Bigg)\Big/\Big(\sqrt{r^2+r1^2-2\ r\ r1\ \text{Cos}[\theta 1]}\Big)\Bigg)-$$

$$\Bigg(\sqrt{\frac{r^2+r1^2-2\ r\ r1\ \text{Cos}[\theta 1]}{r^2+r1^2}}\ \Bigg(-r^2-r1^2+r^2$$

$$\sqrt{\frac{r^2+r1^2-2\ r\ r1\ \text{Cos}[\theta 1]}{r^2+r1^2}}+r1^2\sqrt{\frac{r^2+r1^2-2\ r\ r1\ \text{Cos}[\theta 1]}{r^2+r1^2}}\Bigg)$$

$$(1+2\,\text{Cos}[2\,\lambda 1])\ \text{Sin}[\lambda 1]\Bigg)\Big/\Big(r\ r1\ \sqrt{r^2+r1^2-2\ r\ r1\ \text{Cos}[\theta 1]}\Big)\Bigg)\Bigg)+$$

$$\text{Cos}[\lambda]\ (-1+2\,\text{Cos}[2\,\lambda])\left(\left(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta1]}{r^2+r1^2}}\left(-r^2-r1^2+\right.\right.\right.$$

$$\left.r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta1]}{r^2+r1^2}}+r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta1]}{r^2+r1^2}}\right)$$

$$\left.\text{Cos}[\lambda1]\ (-1+2\,\text{Cos}[2\,\lambda1])\right)\Big/\left(r\,r1\sqrt{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta1]}\right)-$$

$$\frac{1}{2\,r\,r1}\left(\left(2\left(r^2-2\,r\,r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta1]}{r^2-2\,r\,r1+r1^2}}\ \text{EllipticE}\Big[\right.\right.$$

$$\left.\frac{\theta1}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta1]}\right)-$$

$$\left(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta1]}{r^2-2\,r\,r1+r1^2}}\ \text{EllipticF}\Big[\right.$$

$$\left.\frac{\theta1}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\right)\Big/$$

$$\left.\left.\left(\sqrt{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta1]}\right)\right)\text{Sin}[3\,\lambda1]\right)\right)+$$

$$\frac{1}{r^2\left(r^2-r1^2\right)}\,8\,r1^5\left(-\left((1+2\,\text{Cos}[2\,\lambda])\ \text{Sin}[\lambda]\left(-\frac{1}{2\,r\,r1}\ \text{Cos}[3\,\lambda1]\right.\right.\right.$$

$$\left(\left(2\left(r^2-2\,r\,r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta1]}{r^2-2\,r\,r1+r1^2}}\ \text{EllipticE}\Big[\frac{\theta1}{2},\right.\right.$$

$$\left.-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta1]}\right)-$$

$$\left(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta1]}{r^2-2\,r\,r1+r1^2}}\ \text{EllipticF}\Big[\right.$$

$$\left.\left.\frac{\theta1}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta1]}\right)\right)-$$

$$\left(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta1]}{r^2+r1^2}}\left(-r^2-r1^2+r^2\right.\right.$$

$$\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2+r1^2}}+r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2+r1^2}}\Bigg)$$

$$(1+2\,\mathrm{Cos}[2\,\lambda 1])\,\mathrm{Sin}[\lambda 1]\Bigg)\Big/\left(r\,r1\,\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}\right)\Bigg)\Bigg)+$$

$$\mathrm{Cos}[\lambda]\,(-1+2\,\mathrm{Cos}[2\,\lambda])\,\Bigg(\Bigg(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2+r1^2}}\,\Bigg(-r^2-r1^2+$$

$$r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2+r1^2}}+r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2+r1^2}}\Bigg)$$

$$\mathrm{Cos}[\lambda 1]\,(-1+2\,\mathrm{Cos}[2\,\lambda 1])\Bigg)\Big/\left(r\,r1\,\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}\right)-$$

$$\frac{1}{2\,r\,r1}\Bigg(\Bigg(2\left(r^2-2\,r\,r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r1+r1^2}}\,\mathrm{EllipticE}\Big[$$

$$\frac{\theta 1}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Bigg)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}\right)-$$

$$\Bigg(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r1+r1^2}}\,\mathrm{EllipticF}\Big[$$

$$\frac{\theta 1}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Bigg)\Big/$$

$$\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}\right)\Bigg)\,\mathrm{Sin}[3\,\lambda 1]\Bigg)\Bigg)+$$

$$\frac{1}{r^2-r1^2}\,32\,r^2\,r1\,\Bigg((1+2\,\mathrm{Cos}[2\,\lambda])\,\mathrm{Sin}[\lambda]\,\Bigg(-\frac{1}{2\,r\,r1}\,\mathrm{Cos}[3\,\lambda 1]$$

$$\Bigg(\Bigg(2\left(r^2-2\,r\,r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r1+r1^2}}\,\mathrm{EllipticE}\Big[\frac{\theta 1}{2},$$

$$-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Bigg)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}\right)-$$

$$\Bigg(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r1+r1^2}}\,\mathrm{EllipticF}\Big[\frac{\theta 1}{2},$$

$$-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Big)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}\right)\Big)+$$

$$\left(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2+r1^2}}\left(-r^2-r1^2+r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2+r1^2}}+\right.\right.$$

$$\left.\left.r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2+r1^2}}\right)(1+2\,\mathrm{Cos}[2\,\lambda 1])\,\mathrm{Sin}[\lambda 1]\right)\Big/$$

$$\left(r\,r1\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}\right)\Big)+\mathrm{Cos}[\lambda]\,(-1+2\,\mathrm{Cos}[2\,\lambda])$$

$$\left(\left(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2+r1^2}}\left(-r^2-r1^2+r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2+r1^2}}+\right.\right.\right.$$

$$\left.r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2+r1^2}}\right)\mathrm{Cos}[\lambda 1]$$

$$\left.(-1+2\,\mathrm{Cos}[2\,\lambda 1])\right)\Big/\left(r\,r1\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}\right)+\frac{1}{2\,r\,r1}$$

$$\left(\left(2\left(r^2-2\,r\,r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r1+r1^2}}\,\mathrm{EllipticE}\Big[\right.\right.$$

$$\left.\frac{\theta 1}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}\right)-$$

$$\left(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r1+r1^2}}\,\mathrm{EllipticF}\Big[\right.$$

$$\left.\frac{\theta 1}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\right)\Big/$$

$$\left.\left.\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}\right)\right)\mathrm{Sin}[3\,\lambda 1]\right)\right)-$$

$$\frac{1}{r^2-r1^2}\,12\,r1^3\left((1+2\,\mathrm{Cos}[2\,\lambda])\,\mathrm{Sin}[\lambda]\left(-\frac{1}{2\,r\,r1}\,\mathrm{Cos}[3\,\lambda 1]\right.\right.$$

$$\left(\left(2\left(r^2-2\,r\,r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r1+r1^2}}\,\mathrm{EllipticE}\Big[\frac{\theta 1}{2},\right.\right.$$

$$-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Big)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}\right)-$$

$$\left(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticF}\Big[\frac{\theta1}{2},\right.$$

$$\left.-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}\right)\Big)+$$

$$\left(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}{r^2+r1^2}}\left(-r^2-r1^2+r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}{r^2+r1^2}}+\right.\right.$$

$$\left.r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}{r^2+r1^2}}\right)(1+2\,\mathrm{Cos}[2\,\lambda1])\,\mathrm{Sin}[\lambda1]\Big)\Big/$$

$$\left.\left(r\,r1\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}\right)\right)+\mathrm{Cos}[\lambda]\,(-1+2\,\mathrm{Cos}[2\,\lambda])$$

$$\left(\left(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}{r^2+r1^2}}\left(-r^2-r1^2+r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}{r^2+r1^2}}+\right.\right.\right.$$

$$\left.r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}{r^2+r1^2}}\right)\mathrm{Cos}[\lambda1]$$

$$(-1+2\,\mathrm{Cos}[2\,\lambda1])\Big)\Big/\left(r\,r1\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}\right)+\frac{1}{2\,r\,r1}$$

$$\left(\left(2\left(r^2-2\,r\,r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticE}\Big[\right.\right.$$

$$\left.\frac{\theta1}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}\right)-$$

$$\left(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticF}\Big[\right.$$

$$\left.\frac{\theta1}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\right)\Big/$$

$$\left.\left.\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}\right)\right)\mathrm{Sin}[3\,\lambda1]\right)\right)-$$

$$\frac{1}{r^2\left(r^2-r1^2\right)}\,8\,r1^5\left((1+2\,\mathrm{Cos}[2\,\lambda])\,\mathrm{Sin}[\lambda]\left(-\frac{1}{2\,r\,r1}\,\mathrm{Cos}[3\,\lambda1]\right.\right.$$

$$\left(\left(2\left(r^2-2\,r\,r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticE}\left[\frac{\theta1}{2},\right.\right.\right.$$

$$\left.\left.-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}\right)-$$

$$\left(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticF}\left[\frac{\theta1}{2},\right.\right.$$

$$\left.\left.\left.-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}\right)\right)+$$

$$\left(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}{r^2+r1^2}}\left(-r^2-r1^2+r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}{r^2+r1^2}}+\right.\right.$$

$$\left.\left.r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}{r^2+r1^2}}\right)(1+2\,\mathrm{Cos}[2\,\lambda1])\,\mathrm{Sin}[\lambda1]\right)\Big/$$

$$\left.\left.\left(r\,r1\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}\right)\right)+\mathrm{Cos}[\lambda]\,(-1+2\,\mathrm{Cos}[2\,\lambda])\right.$$

$$\left(\left(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}{r^2+r1^2}}\left(-r^2-r1^2+r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}{r^2+r1^2}}+\right.\right.\right.$$

$$\left.\left.r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}{r^2+r1^2}}\right)\mathrm{Cos}[\lambda1]\right.$$

$$\left.(-1+2\,\mathrm{Cos}[2\,\lambda1])\right)\Big/\left(r\,r1\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}\right)+\frac{1}{2\,r\,r1}$$

$$\left(\left(2\left(r^2-2\,r\,r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticE}\left[\right.\right.\right.$$

$$\left.\left.\frac{\theta1}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}\right)-$$

$$\left(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticF}\left[\right.\right.$$

$$\frac{\theta 1}{2}, -\frac{4\, r\, r1}{r^2 - 2\, r\, r1 + r1^2}\Big]\Big)\Big/$$

$$\left(\sqrt{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 1]}\right)\Big)\, \mathrm{Sin}[3\, \lambda 1]\Big)\Big) +$$

$$\frac{1}{r^2 - r2^2}\, 32\, r^2\, r2 \Big(-\Big((1 + 2\, \mathrm{Cos}[2\, \lambda])\, \mathrm{Sin}[\lambda]\, \Big(-\frac{1}{2\, r\, r2}\, \mathrm{Cos}[3\, \lambda 1]$$

$$\Big(\Big(2\, (r^2 - 2\, r\, r2 + r2^2)\, \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 1]}{r^2 - 2\, r\, r2 + r2^2}}\, \mathrm{EllipticE}\Big[\frac{\theta 1}{2},$$

$$-\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\Big]\Big)\Big/\left(\sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 1]}\right) -$$

$$\Big(2\, (r^2 + r2^2)\, \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 1]}{r^2 - 2\, r\, r2 + r2^2}}\, \mathrm{EllipticF}\Big[$$

$$\frac{\theta 1}{2}, -\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\Big]\Big)\Big/\left(\sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 1]}\right)\Big) -$$

$$\Big(\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 1]}{r^2 + r2^2}}\, \Big(-r^2 - r2^2 + r^2$$

$$\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 1]}{r^2 + r2^2}} + r2^2\, \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 1]}{r^2 + r2^2}}\Big)$$

$$(1 + 2\, \mathrm{Cos}[2\, \lambda 1])\, \mathrm{Sin}[\lambda 1]\Big)\Big/\left(r\, r2\, \sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 1]}\right)\Big)\Big) +$$

$$\mathrm{Cos}[\lambda]\, (-1 + 2\, \mathrm{Cos}[2\, \lambda])\, \Big(\Big(\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 1]}{r^2 + r2^2}}\, \Big(-r^2 - r2^2 +$$

$$r^2\, \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 1]}{r^2 + r2^2}} + r2^2\, \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 1]}{r^2 + r2^2}}\Big)$$

$$\mathrm{Cos}[\lambda 1]\, (-1 + 2\, \mathrm{Cos}[2\, \lambda 1])\Big)\Big/\left(r\, r2\, \sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 1]}\right) -$$

$$\frac{1}{2\, r\, r2}\, \Big(\Big(2\, (r^2 - 2\, r\, r2 + r2^2)\, \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 1]}{r^2 - 2\, r\, r2 + r2^2}}\, \mathrm{EllipticE}\Big[$$

$$\frac{\theta 1}{2}, -\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\Big]\Big) \Big/ \left(\sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 1]}\right) -$$

$$\left(2\left(r^2 + r2^2\right)\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 1]}{r^2 - 2\, r\, r2 + r2^2}}\ \mathrm{EllipticF}\Big[\right.$$

$$\left.\frac{\theta 1}{2}, -\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\Big]\right) \Big/$$

$$\left.\left(\sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 1]}\right)\right) \mathrm{Sin}[3\, \lambda 1]\Big)\Big) -$$

$$\frac{1}{r^2 - r2^2}\, 12\, r2^3 \Bigg(-\Bigg((1 + 2\, \mathrm{Cos}[2\, \lambda])\, \mathrm{Sin}[\lambda]\, \Bigg(-\frac{1}{2\, r\, r2}\, \mathrm{Cos}[3\, \lambda 1]$$

$$\Bigg(\Bigg(2\left(r^2 - 2\, r\, r2 + r2^2\right)\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 1]}{r^2 - 2\, r\, r2 + r2^2}}\ \mathrm{EllipticE}\Big[\frac{\theta 1}{2},$$

$$-\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\Big]\Bigg) \Big/ \left(\sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 1]}\right) -$$

$$\left(2\left(r^2 + r2^2\right)\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 1]}{r^2 - 2\, r\, r2 + r2^2}}\ \mathrm{EllipticF}\Big[\right.$$

$$\left.\frac{\theta 1}{2}, -\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\Big]\right) \Big/ \left(\sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 1]}\right)\Bigg) -$$

$$\Bigg(\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 1]}{r^2 + r2^2}}\ \Bigg(-r^2 - r2^2 + r^2$$

$$\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 1]}{r^2 + r2^2}} + r2^2\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 1]}{r^2 + r2^2}}\Bigg)$$

$$(1 + 2\, \mathrm{Cos}[2\, \lambda 1])\, \mathrm{Sin}[\lambda 1]\Bigg) \Big/ \left(r\, r2\sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 1]}\right)\Bigg)\Bigg) +$$

$$\mathrm{Cos}[\lambda]\, (-1 + 2\, \mathrm{Cos}[2\, \lambda])\, \Bigg(\Bigg(\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 1]}{r^2 + r2^2}}\ \Bigg(-r^2 - r2^2 +$$

$$r^2\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 1]}{r^2 + r2^2}} + r2^2\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 1]}{r^2 + r2^2}}\Bigg)$$

$$\text{Cos}[\lambda 1]\ (-1+2\,\text{Cos}[2\,\lambda 1])\Big)\Big/\Big(r\ r2\ \sqrt{r^2+r2^2-2\ r\ r2\ \text{Cos}[\theta 1]}\Big)-$$

$$\frac{1}{2\ r\ r2}\Bigg(\Bigg(2\left(r^2-2\ r\ r2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\ r\ r2\ \text{Cos}[\theta 1]}{r^2-2\ r\ r2+r2^2}}\ \text{EllipticE}\Big[$$

$$\frac{\theta 1}{2},-\frac{4\ r\ r2}{r^2-2\ r\ r2+r2^2}\Big]\Bigg)\Big/\Big(\sqrt{r^2+r2^2-2\ r\ r2\ \text{Cos}[\theta 1]}\Big)-$$

$$\Bigg(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\ r\ r2\ \text{Cos}[\theta 1]}{r^2-2\ r\ r2+r2^2}}\ \text{EllipticF}\Big[$$

$$\frac{\theta 1}{2},-\frac{4\ r\ r2}{r^2-2\ r\ r2+r2^2}\Big]\Bigg)\Big/$$

$$\Big(\sqrt{r^2+r2^2-2\ r\ r2\ \text{Cos}[\theta 1]}\Big)\Bigg)\ \text{Sin}[3\,\lambda 1]\Bigg)\Bigg)-$$

$$\frac{1}{r^2\left(r^2-r2^2\right)}\ 8\ r2^5\Bigg(-\Bigg((1+2\,\text{Cos}[2\,\lambda])\ \text{Sin}[\lambda]\ \Bigg(-\frac{1}{2\ r\ r2}\ \text{Cos}[3\,\lambda 1]$$

$$\Bigg(\Bigg(2\left(r^2-2\ r\ r2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\ r\ r2\ \text{Cos}[\theta 1]}{r^2-2\ r\ r2+r2^2}}\ \text{EllipticE}\Big[\frac{\theta 1}{2},$$

$$-\frac{4\ r\ r2}{r^2-2\ r\ r2+r2^2}\Big]\Bigg)\Big/\Big(\sqrt{r^2+r2^2-2\ r\ r2\ \text{Cos}[\theta 1]}\Big)-$$

$$\Bigg(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\ r\ r2\ \text{Cos}[\theta 1]}{r^2-2\ r\ r2+r2^2}}\ \text{EllipticF}\Big[$$

$$\frac{\theta 1}{2},-\frac{4\ r\ r2}{r^2-2\ r\ r2+r2^2}\Big]\Bigg)\Big/\Big(\sqrt{r^2+r2^2-2\ r\ r2\ \text{Cos}[\theta 1]}\Big)\Bigg)-$$

$$\Bigg(\sqrt{\frac{r^2+r2^2-2\ r\ r2\ \text{Cos}[\theta 1]}{r^2+r2^2}}\ \Bigg(-r^2-r2^2+r^2$$

$$\sqrt{\frac{r^2+r2^2-2\ r\ r2\ \text{Cos}[\theta 1]}{r^2+r2^2}}+r2^2\sqrt{\frac{r^2+r2^2-2\ r\ r2\ \text{Cos}[\theta 1]}{r^2+r2^2}}\Bigg)$$

$$(1+2\,\text{Cos}[2\,\lambda 1])\ \text{Sin}[\lambda 1]\Bigg)\Big/\Big(r\ r2\ \sqrt{r^2+r2^2-2\ r\ r2\ \text{Cos}[\theta 1]}\Big)\Bigg)\Bigg)+$$

$$\text{Cos}[\lambda]\ (-1+2\,\text{Cos}[2\,\lambda])\left(\left(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 1]}{r^2+r2^2}}\left(-r^2-r2^2+\right.\right.\right.$$

$$\left.r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 1]}{r^2+r2^2}}+r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 1]}{r^2+r2^2}}\right)$$

$$\left.\text{Cos}[\lambda 1]\ (-1+2\,\text{Cos}[2\,\lambda 1])\right)\Big/\left(r\,r2\sqrt{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 1]}\right)-$$

$$\frac{1}{2\,r\,r2}\left(\left(2\left(r^2-2\,r\,r2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 1]}{r^2-2\,r\,r2+r2^2}}\ \text{EllipticE}\Big[\right.\right.$$

$$\left.\frac{\theta 1}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 1]}\right)-$$

$$\left(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 1]}{r^2-2\,r\,r2+r2^2}}\ \text{EllipticF}\Big[\right.$$

$$\left.\frac{\theta 1}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\right)\Big/$$

$$\left.\left.\left(\sqrt{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 1]}\right)\right)\text{Sin}[3\,\lambda 1]\right)\right)-$$

$$\frac{1}{r^2-r2^2}\,32\,r^2\,r2\left((1+2\,\text{Cos}[2\,\lambda])\,\text{Sin}[\lambda]\left(-\frac{1}{2\,r\,r2}\,\text{Cos}[3\,\lambda 1]\right.\right.$$

$$\left(\left(2\left(r^2-2\,r\,r2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 1]}{r^2-2\,r\,r2+r2^2}}\ \text{EllipticE}\Big[\frac{\theta 1}{2},\right.\right.$$

$$\left.-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 1]}\right)-$$

$$\left(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 1]}{r^2-2\,r\,r2+r2^2}}\ \text{EllipticF}\Big[\frac{\theta 1}{2},\right.$$

$$\left.\left.-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 1]}\right)\right)+$$

$$\left(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 1]}{r^2+r2^2}}\left(-r^2-r2^2+r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 1]}{r^2+r2^2}}+\right.\right.$$

$$r2^2 \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 1]}{r^2 + r2^2}}\Bigg)\, (1 + 2\, \mathrm{Cos}[2\, \lambda 1])\, \mathrm{Sin}[\lambda 1]\Bigg) \Big/$$

$$\left(r\, r2\, \sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 1]}\right)\Bigg) + \mathrm{Cos}[\lambda]\, (-1 + 2\, \mathrm{Cos}[2\, \lambda])$$

$$\Bigg(\Bigg(\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 1]}{r^2 + r2^2}}\, \Bigg(-r^2 - r2^2 + r^2\, \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 1]}{r^2 + r2^2}} +$$

$$r2^2\, \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 1]}{r^2 + r2^2}}\Bigg)\, \mathrm{Cos}[\lambda 1]$$

$$(-1 + 2\, \mathrm{Cos}[2\, \lambda 1])\Bigg) \Big/ \left(r\, r2\, \sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 1]}\right) + \frac{1}{2\, r\, r2}$$

$$\Bigg(\Bigg(2\, \left(r^2 - 2\, r\, r2 + r2^2\right)\, \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 1]}{r^2 - 2\, r\, r2 + r2^2}}\, \mathrm{EllipticE}\Big[$$

$$\frac{\theta 1}{2}, -\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\Big]\Bigg) \Big/ \left(\sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 1]}\right) -$$

$$\Bigg(2\, \left(r^2 + r2^2\right)\, \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 1]}{r^2 - 2\, r\, r2 + r2^2}}\, \mathrm{EllipticF}\Big[$$

$$\frac{\theta 1}{2}, -\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\Big]\Bigg) \Big/$$

$$\left(\sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 1]}\right)\Bigg)\, \mathrm{Sin}[3\, \lambda 1]\Bigg)\Bigg) +$$

$$\frac{1}{r^2 - r2^2}\, 12\, r2^3 \Bigg((1 + 2\, \mathrm{Cos}[2\, \lambda])\, \mathrm{Sin}[\lambda]\, \Bigg(-\frac{1}{2\, r\, r2}\, \mathrm{Cos}[3\, \lambda 1]$$

$$\Bigg(\Bigg(2\, \left(r^2 - 2\, r\, r2 + r2^2\right)\, \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 1]}{r^2 - 2\, r\, r2 + r2^2}}\, \mathrm{EllipticE}\Big[\frac{\theta 1}{2},$$

$$-\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\Big]\Bigg) \Big/ \left(\sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 1]}\right) -$$

$$\Bigg(2\, \left(r^2 + r2^2\right)\, \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 1]}{r^2 - 2\, r\, r2 + r2^2}}\, \mathrm{EllipticF}\Big[\frac{\theta 1}{2},$$

$$-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\Big)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}\right)\Big)+$$

$$\left(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}\left(-r^2-r2^2+r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}+\right.\right.$$

$$\left.\left.r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}\right)(1+2\,\mathrm{Cos}[2\,\lambda 1])\,\mathrm{Sin}[\lambda 1]\right)\Big/$$

$$\left(r\,r2\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}\right)\Big)+\mathrm{Cos}[\lambda]\,(-1+2\,\mathrm{Cos}[2\,\lambda])$$

$$\left(\left(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}\left(-r^2-r2^2+r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}+\right.\right.\right.$$

$$\left.r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}\right)\mathrm{Cos}[\lambda 1]$$

$$\left.(-1+2\,\mathrm{Cos}[2\,\lambda 1])\right)\Big/\left(r\,r2\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}\right)+\frac{1}{2\,r\,r2}$$

$$\left(\left(2\left(r^2-2\,r\,r2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r2+r2^2}}\,\mathrm{EllipticE}\Big[\right.\right.$$

$$\left.\frac{\theta 1}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}\right)-$$

$$\left(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r2+r2^2}}\,\mathrm{EllipticF}\Big[\right.$$

$$\left.\frac{\theta 1}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\right)\Big/$$

$$\left.\left.\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}\right)\right)\mathrm{Sin}[3\,\lambda 1]\right)\Big)+$$

$$\frac{1}{r^2\left(r^2-r2^2\right)}\,8\,r2^5\left((1+2\,\mathrm{Cos}[2\,\lambda])\,\mathrm{Sin}[\lambda]\left(-\frac{1}{2\,r\,r2}\,\mathrm{Cos}[3\,\lambda 1]\right.\right.$$

$$\left(\left(2\left(r^2-2\,r\,r2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r2+r2^2}}\,\mathrm{EllipticE}\Big[\frac{\theta 1}{2},\right.\right.$$

$$-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\Big)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}\right)-$$

$$\left(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticF}\Big[\frac{\theta 1}{2},\right.$$

$$\left.-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\Big)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}\right)\Big)+$$

$$\left(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}\left(-r^2-r2^2+r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}+\right.\right.$$

$$\left.r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}\right)(1+2\,\mathrm{Cos}[2\,\lambda 1])\,\mathrm{Sin}[\lambda 1]\Big)\Big/$$

$$\left.\left(r\,r2\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}\right)\right)+\mathrm{Cos}[\lambda]\,(-1+2\,\mathrm{Cos}[2\,\lambda])$$

$$\left(\left(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}\left(-r^2-r2^2+r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}+\right.\right.\right.$$

$$\left.r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}\right)\mathrm{Cos}[\lambda 1]$$

$$(-1+2\,\mathrm{Cos}[2\,\lambda 1])\Big)\Big/\left(r\,r2\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}\right)+\frac{1}{2\,r\,r2}$$

$$\left(\left(2\left(r^2-2\,r\,r2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticE}\Big[\right.\right.$$

$$\left.\frac{\theta 1}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}\right)-$$

$$\left(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticF}\Big[\right.$$

$$\left.\frac{\theta 1}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\right)\Big/$$

$$\left.\left.\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}\right)\right)\mathrm{Sin}[3\,\lambda 1]\right)\Big)+$$

$$\left(64\, r\, r1^2 \sqrt{\frac{r^2 + r1^2 - 2\, r\, r1 \operatorname{Cos}[\theta 1]}{r^2 - 2\, r\, r1 + r1^2}}\ \operatorname{EllipticF}\left[\frac{\theta 1}{2}, -\frac{4\, r\, r1}{r^2 - 2\, r\, r1 + r1^2}\right] \operatorname{Sin}[3\,\lambda - 3\,\lambda 2]\right) \Big/ \left(\left(r^2 - r1^2\right) \sqrt{r^2 + r1^2 - 2\, r\, r1 \operatorname{Cos}[\theta 1]}\right) -$$

$$\left(16\, r1^4 \sqrt{\frac{r^2 + r1^2 - 2\, r\, r1 \operatorname{Cos}[\theta 1]}{r^2 - 2\, r\, r1 + r1^2}}\ \operatorname{EllipticF}\left[\frac{\theta 1}{2}, -\frac{4\, r\, r1}{r^2 - 2\, r\, r1 + r1^2}\right] \operatorname{Sin}[3\,\lambda - 3\,\lambda 2]\right) \Big/ \left(r\, \left(r^2 - r1^2\right) \sqrt{r^2 + r1^2 - 2\, r\, r1 \operatorname{Cos}[\theta 1]}\right) -$$

$$\left(64\, r\, r2^2 \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2 \operatorname{Cos}[\theta 1]}{r^2 - 2\, r\, r2 + r2^2}}\ \operatorname{EllipticF}\left[\frac{\theta 1}{2}, -\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\right] \operatorname{Sin}[3\,\lambda - 3\,\lambda 2]\right) \Big/ \left(\left(r^2 - r2^2\right) \sqrt{r^2 + r2^2 - 2\, r\, r2 \operatorname{Cos}[\theta 1]}\right) +$$

$$\left(16\, r2^4 \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2 \operatorname{Cos}[\theta 1]}{r^2 - 2\, r\, r2 + r2^2}}\ \operatorname{EllipticF}\left[\frac{\theta 1}{2}, -\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\right] \operatorname{Sin}[3\,\lambda - 3\,\lambda 2]\right) \Big/ \left(r\, \left(r^2 - r2^2\right) \sqrt{r^2 + r2^2 - 2\, r\, r2 \operatorname{Cos}[\theta 1]}\right) +$$

$$\left(48\, r1^4 \sqrt{\frac{r^2 + r1^2 - 2\, r\, r1 \operatorname{Cos}[\theta 1]}{r^2 - 2\, r\, r1 + r1^2}}\ \operatorname{EllipticF}\left[\frac{\theta 1}{2}, -\frac{4\, r\, r1}{r^2 - 2\, r\, r1 + r1^2}\right] \operatorname{Sin}[\lambda - \lambda 2]\right) \Big/$$

$$\left(r\left(r^2-r1^2\right)\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}\right)-$$

$$\left(48\,r2^4\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta1]}{r^2-2\,r\,r2+r2^2}}\right.$$

$$\mathrm{EllipticF}\left[\frac{\theta1}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]$$

$$\left.\mathrm{Sin}[\lambda-\lambda2]\right)\Big/$$

$$\left(r\left(r^2-r2^2\right)\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta1]}\right)-\frac{1}{r^2-r1^2}$$

$$12\,r1^3$$

$$\left(-\mathrm{Sin}[\lambda]\left(-\frac{1}{2\,r\,r1}\mathrm{Cos}[\lambda2]\right.\right.$$

$$\left(\left(2\left(r^2-2\,r\,r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}{r^2-2\,r\,r1+r1^2}}\,\mathrm{EllipticE}\left[\frac{\theta1}{2},\right.\right.\right.$$

$$\left.\left.-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}\right)-$$

$$\left(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}{r^2-2\,r\,r1+r1^2}}\,\mathrm{EllipticF}\left[\frac{\theta1}{2},\right.\right.$$

$$\left.\left.\left.-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}\right)\right)-$$

$$\left(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}{r^2+r1^2}}\left(-r^2-r1^2+r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}{r^2+r1^2}}+\right.\right.$$

$$\left.r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}{r^2+r1^2}}\right)$$

$$\left.\mathrm{Sin}[\lambda2]\right)\Big/\left(r\,r1\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}\right)\Bigg)+$$

$$\mathrm{Cos}[\lambda]\left(\left(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}{r^2+r1^2}}\left(-r^2-r1^2+r^2\right.\right.\right.$$

$$\left.\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}{r^2+r1^2}}+r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}{r^2+r1^2}}\right)$$

$$\text{Cos}[\lambda 2]\Big)\Big/\left(r\,r1\,\sqrt{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 1]}\right)-\frac{1}{2\,r\,r1}$$

$$\Bigg(\Bigg(2\left(r^2-2\,r\,r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 1]}{r^2-2\,r\,r1+r1^2}}\;\text{EllipticE}\Big[$$

$$\frac{\theta 1}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Bigg)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 1]}\right)-$$

$$\Bigg(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 1]}{r^2-2\,r\,r1+r1^2}}\;\text{EllipticF}\Big[$$

$$\frac{\theta 1}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Bigg)\Big/$$

$$\left(\sqrt{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 1]}\right)\Bigg)\,\text{Sin}[\lambda 2]\Bigg)\Bigg)+$$

$$\frac{1}{r^2\left(r^2-r1^2\right)}\,24\,r1^5\Bigg(-\text{Sin}[\lambda]\Bigg(-\frac{1}{2\,r\,r1}\,\text{Cos}[\lambda 2]\Bigg(\Bigg(2\left(r^2-2\,r\,r1+r1^2\right)$$

$$\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 1]}{r^2-2\,r\,r1+r1^2}}\;\text{EllipticE}\Big[\frac{\theta 1}{2},$$

$$-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Bigg)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 1]}\right)-$$

$$\Bigg(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 1]}{r^2-2\,r\,r1+r1^2}}\;\text{EllipticF}\Big[\frac{\theta 1}{2},$$

$$-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Bigg)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 1]}\right)\Bigg)-$$

$$\Bigg(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 1]}{r^2+r1^2}}\Bigg(-r^2-r1^2+r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 1]}{r^2+r1^2}}+$$

$$r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 1]}{r^2+r1^2}}\Bigg)$$

$$\text{Sin}[\lambda 2]\Bigg)\Big/\left(r\,r1\,\sqrt{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 1]}\right)\Bigg)+$$

$$\text{Cos}[\lambda]\left(\left(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 1]}{r^2+r1^2}}\left(-r^2-r1^2+r^2\right.\right.\right.$$

$$\left.\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 1]}{r^2+r1^2}}+r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 1]}{r^2+r1^2}}\right)$$

$$\left.\text{Cos}[\lambda 2]\right)\Big/\left(r\,r1\sqrt{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 1]}\right)-\frac{1}{2\,r\,r1}$$

$$\left(\left(2\left(r^2-2\,r\,r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 1]}{r^2-2\,r\,r1+r1^2}}\,\text{EllipticE}\Big[\right.\right.$$

$$\left.\frac{\theta 1}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 1]}\right)-$$

$$\left(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 1]}{r^2-2\,r\,r1+r1^2}}\,\text{EllipticF}\Big[\right.$$

$$\left.\frac{\theta 1}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\right)\Big/$$

$$\left.\left.\left(\sqrt{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 1]}\right)\right)\text{Sin}[\lambda 2]\right)\right)+$$

$$\frac{1}{r^2-r1^2}\,12\,r1^3\left(\text{Sin}[\lambda]\left(-\frac{1}{2\,r\,r1}\,\text{Cos}[\lambda 2]\left(\left(2\left(r^2-2\,r\,r1+r1^2\right)\right.\right.\right.\right.$$

$$\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 1]}{r^2-2\,r\,r1+r1^2}}\,\text{EllipticE}\Big[\frac{\theta 1}{2},$$

$$\left.-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 1]}\right)-$$

$$\left(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 1]}{r^2-2\,r\,r1+r1^2}}\,\text{EllipticF}\Big[\frac{\theta 1}{2},\right.$$

$$\left.\left.-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 1]}\right)\right)+$$

$$\left(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 1]}{r^2+r1^2}}\left(-r^2-r1^2+r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 1]}{r^2+r1^2}}+\right.\right.$$

$$r1^2 \sqrt{\frac{r^2 + r1^2 - 2\, r\, r1 \operatorname{Cos}[\theta 1]}{r^2 + r1^2}}\Bigg)$$

$$\operatorname{Sin}[\lambda 2]\Bigg) \Big/ \left(r\, r1 \sqrt{r^2 + r1^2 - 2\, r\, r1 \operatorname{Cos}[\theta 1]}\right)\Bigg) +$$

$$\operatorname{Cos}[\lambda] \Bigg(\Bigg(\sqrt{\frac{r^2 + r1^2 - 2\, r\, r1 \operatorname{Cos}[\theta 1]}{r^2 + r1^2}} \Bigg(-r^2 - r1^2 + r^2$$

$$\sqrt{\frac{r^2 + r1^2 - 2\, r\, r1 \operatorname{Cos}[\theta 1]}{r^2 + r1^2}} + r1^2 \sqrt{\frac{r^2 + r1^2 - 2\, r\, r1 \operatorname{Cos}[\theta 1]}{r^2 + r1^2}}\Bigg)$$

$$\operatorname{Cos}[\lambda 2]\Bigg) \Big/ \left(r\, r1 \sqrt{r^2 + r1^2 - 2\, r\, r1 \operatorname{Cos}[\theta 1]}\right) + \frac{1}{2\, r\, r1}$$

$$\Bigg(\Bigg(2 \left(r^2 - 2\, r\, r1 + r1^2\right) \sqrt{\frac{r^2 + r1^2 - 2\, r\, r1 \operatorname{Cos}[\theta 1]}{r^2 - 2\, r\, r1 + r1^2}} \operatorname{EllipticE}\Big[$$

$$\frac{\theta 1}{2}, -\frac{4\, r\, r1}{r^2 - 2\, r\, r1 + r1^2}\Big]\Bigg) \Big/ \left(\sqrt{r^2 + r1^2 - 2\, r\, r1 \operatorname{Cos}[\theta 1]}\right) -$$

$$\Bigg(2 \left(r^2 + r1^2\right) \sqrt{\frac{r^2 + r1^2 - 2\, r\, r1 \operatorname{Cos}[\theta 1]}{r^2 - 2\, r\, r1 + r1^2}} \operatorname{EllipticF}\Big[$$

$$\frac{\theta 1}{2}, -\frac{4\, r\, r1}{r^2 - 2\, r\, r1 + r1^2}\Big]\Bigg) \Big/$$

$$\left(\sqrt{r^2 + r1^2 - 2\, r\, r1 \operatorname{Cos}[\theta 1]}\right)\Bigg) \operatorname{Sin}[\lambda 2]\Bigg)\Bigg) -$$

$$\frac{1}{r^2 \left(r^2 - r1^2\right)} 24\, r1^5 \Bigg(\operatorname{Sin}[\lambda] \Bigg(-\frac{1}{2\, r\, r1} \operatorname{Cos}[\lambda 2] \Bigg(\Bigg(2 \left(r^2 - 2\, r\, r1 + r1^2\right)$$

$$\sqrt{\frac{r^2 + r1^2 - 2\, r\, r1 \operatorname{Cos}[\theta 1]}{r^2 - 2\, r\, r1 + r1^2}} \operatorname{EllipticE}\Big[\frac{\theta 1}{2},$$

$$-\frac{4\, r\, r1}{r^2 - 2\, r\, r1 + r1^2}\Big]\Bigg) \Big/ \left(\sqrt{r^2 + r1^2 - 2\, r\, r1 \operatorname{Cos}[\theta 1]}\right) -$$

$$\Bigg(2 \left(r^2 + r1^2\right) \sqrt{\frac{r^2 + r1^2 - 2\, r\, r1 \operatorname{Cos}[\theta 1]}{r^2 - 2\, r\, r1 + r1^2}} \operatorname{EllipticF}\Big[\frac{\theta 1}{2},$$

$$-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Big)\Big/\Big(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}\Big)\Big)+$$

$$\Big(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2+r1^2}}\,\Big(-r^2-r1^2+r^2\,\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2+r1^2}}+$$

$$r1^2\,\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2+r1^2}}\Big)$$

$$\mathrm{Sin}[\lambda 2]\Big)\Big/\Big(r\,r1\,\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}\Big)\Big)+$$

$$\mathrm{Cos}[\lambda]\,\Big(\Big(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2+r1^2}}\,\Big(-r^2-r1^2+r^2$$

$$\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2+r1^2}}+r1^2\,\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2+r1^2}}\Big)$$

$$\mathrm{Cos}[\lambda 2]\Big)\Big/\Big(r\,r1\,\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}\Big)+\frac{1}{2\,r\,r1}$$

$$\Big(\Big(2\,\big(r^2-2\,r\,r1+r1^2\big)\,\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r1+r1^2}}\,\mathrm{EllipticE}\Big[$$

$$\frac{\theta 1}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Big)\Big/\Big(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}\Big)-$$

$$\Big(2\,\big(r^2+r1^2\big)\,\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r1+r1^2}}\,\mathrm{EllipticF}\Big[$$

$$\frac{\theta 1}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Big)\Big/$$

$$\Big(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}\Big)\Big)\,\mathrm{Sin}[\lambda 2]\Big)\Big)+$$

$$\frac{1}{r^2-r2^2}\,12\,r2^3\,\Big(-\mathrm{Sin}[\lambda]\,\Big(-\frac{1}{2\,r\,r2}\,\mathrm{Cos}[\lambda 2]\,\Big(\Big(2\,\big(r^2-2\,r\,r2+r2^2\big)$$

$$\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r2+r2^2}}\,\mathrm{EllipticE}\Big[\frac{\theta 1}{2},$$

$$-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\Big)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta1]}\right)-$$

$$\left(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta1]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticF}\Big[\frac{\theta1}{2},\right.$$

$$\left.-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta1]}\right)\Bigg)-$$

$$\left(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta1]}{r^2+r2^2}}\left(-r^2-r2^2+r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta1]}{r^2+r2^2}}+\right.\right.$$

$$\left.r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta1]}{r^2+r2^2}}\right)$$

$$\left.\mathrm{Sin}[\lambda2]\right)\Big/\left(r\,r2\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta1]}\right)\Bigg)+$$

$$\mathrm{Cos}[\lambda]\left(\left(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta1]}{r^2+r2^2}}\left(-r^2-r2^2+r^2\right.\right.\right.$$

$$\left.\left.\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta1]}{r^2+r2^2}}+r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta1]}{r^2+r2^2}}\right)$$

$$\left.\mathrm{Cos}[\lambda2]\right)\Big/\left(r\,r2\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta1]}\right)-\frac{1}{2\,r\,r2}$$

$$\left(\left(2\left(r^2-2\,r\,r2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta1]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticE}\Big[\right.\right.$$

$$\left.\frac{\theta1}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta1]}\right)-$$

$$\left(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta1]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticF}\Big[\right.$$

$$\left.\frac{\theta1}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\right)\Big/$$

$$\left.\left.\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta1]}\right)\right)\mathrm{Sin}[\lambda2]\right)\Bigg)-$$

$$\frac{1}{r^2\left(r^2-r2^2\right)}\,24\,r2^5\left(-\mathrm{Sin}[\lambda]\left(-\frac{1}{2\,r\,r2}\,\mathrm{Cos}[\lambda 2]\left(\left(2\left(r^2-2\,r\,r2+r2^2\right)\right.\right.\right.\right.$$

$$\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticE}\Big[\frac{\theta 1}{2},$$

$$\left.-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}\right)-$$

$$\left(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticF}\Big[\frac{\theta 1}{2},\right.$$

$$\left.-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}\right)\Bigg)-$$

$$\left(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}\left(-r^2-r2^2+r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}+\right.\right.$$

$$\left.r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}\right)$$

$$\mathrm{Sin}[\lambda 2]\Bigg)\Big/\left(r\,r2\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}\right)\Bigg)+$$

$$\mathrm{Cos}[\lambda]\left(\left(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}\left(-r^2-r2^2+r^2\right.\right.\right.$$

$$\left.\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}+r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}\right)$$

$$\mathrm{Cos}[\lambda 2]\Bigg)\Big/\left(r\,r2\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}\right)-\frac{1}{2\,r\,r2}$$

$$\left(\left(2\left(r^2-2\,r\,r2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticE}\Big[\right.\right.$$

$$\left.\frac{\theta 1}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}\right)-$$

$$\left(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticF}\Big[\right.$$

$$\frac{\theta 1}{2}, -\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\Big)\Big/$$

$$\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}\right)\Big)\,\mathrm{Sin}[\lambda 2]\Big)\Big)-$$

$$\frac{1}{r^2-r2^2}\,12\,r2^3\Big(\mathrm{Sin}[\lambda]\Big(-\frac{1}{2\,r\,r2}\,\mathrm{Cos}[\lambda 2]\Big(\Big(2\left(r^2-2\,r\,r2+r2^2\right)$$

$$\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticE}\Big[\frac{\theta 1}{2},$$

$$-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\Big)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}\right)-$$

$$\Big(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticF}\Big[\frac{\theta 1}{2},$$

$$-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\Big)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}\right)\Big)+$$

$$\Big(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}\;\Big(-r^2-r2^2+r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}+$$

$$r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}\Big)$$

$$\mathrm{Sin}[\lambda 2]\Big)\Big/\left(r\,r2\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}\right)\Big)+$$

$$\mathrm{Cos}[\lambda]\Big(\Big(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}\;\Big(-r^2-r2^2+r^2$$

$$\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}+r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}\Big)$$

$$\mathrm{Cos}[\lambda 2]\Big)\Big/\left(r\,r2\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}\right)+\frac{1}{2\,r\,r2}$$

$$\Big(\Big(2\left(r^2-2\,r\,r2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticE}\Big[$$

$$\frac{\theta 1}{2}, -\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\Big]\Big) \Big/ \left(\sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 1]}\right) -$$

$$\left(2\left(r^2 + r2^2\right)\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 1]}{r^2 - 2\, r\, r2 + r2^2}}\ \mathrm{EllipticF}\Big[\right.$$

$$\left.\frac{\theta 1}{2}, -\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\Big]\right) \Big/$$

$$\left.\left(\sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 1]}\right)\right) \mathrm{Sin}[\lambda 2]\Big)\Big) +$$

$$\frac{1}{r^2\left(r^2 - r2^2\right)}\, 24\, r2^5 \Big(\mathrm{Sin}[\lambda]\Big(-\frac{1}{2\, r\, r2}\, \mathrm{Cos}[\lambda 2]\Big(\Big(2\left(r^2 - 2\, r\, r2 + r2^2\right)$$

$$\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 1]}{r^2 - 2\, r\, r2 + r2^2}}\ \mathrm{EllipticE}\Big[\frac{\theta 1}{2},$$

$$-\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\Big]\Big) \Big/ \left(\sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 1]}\right) -$$

$$\left(2\left(r^2 + r2^2\right)\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 1]}{r^2 - 2\, r\, r2 + r2^2}}\ \mathrm{EllipticF}\Big[\frac{\theta 1}{2},\right.$$

$$\left.-\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\Big]\right) \Big/ \left(\sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 1]}\right)\Big) +$$

$$\Big(\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 1]}{r^2 + r2^2}}\ \Big(-r^2 - r2^2 + r^2\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 1]}{r^2 + r2^2}} +$$

$$r2^2\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 1]}{r^2 + r2^2}}\Big)$$

$$\mathrm{Sin}[\lambda 2]\Big) \Big/ \left(r\, r2\sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 1]}\right)\Big) +$$

$$\mathrm{Cos}[\lambda]\Big(\Big(\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 1]}{r^2 + r2^2}}\ \Big(-r^2 - r2^2 + r^2$$

$$\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 1]}{r^2 + r2^2}} + r2^2\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 1]}{r^2 + r2^2}}\Big)$$

$$\text{Cos}[\lambda 2]\Big)\Big/\left(r\,r2\,\sqrt{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 1]}\right)+\frac{1}{2\,r\,r2}$$

$$\Bigg(\Bigg(2\left(r^2-2\,r\,r2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 1]}{r^2-2\,r\,r2+r2^2}}\;\text{EllipticE}\Big[$$

$$\frac{\theta 1}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\Bigg)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 1]}\right)-$$

$$\Bigg(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 1]}{r^2-2\,r\,r2+r2^2}}\;\text{EllipticF}\Big[$$

$$\frac{\theta 1}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\Bigg)\Big/$$

$$\left(\sqrt{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 1]}\right)\Bigg)\,\text{Sin}[\lambda 2]\Bigg)\Bigg)+$$

$$\frac{1}{r^2-r1^2}\,32\,r^2\,r1\Bigg(-\Bigg((1+2\,\text{Cos}[2\,\lambda])\,\text{Sin}[\lambda]\Bigg(-\frac{1}{2\,r\,r1}\,\text{Cos}[3\,\lambda 2]$$

$$\Bigg(\Bigg(2\left(r^2-2\,r\,r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 1]}{r^2-2\,r\,r1+r1^2}}\;\text{EllipticE}\Big[\frac{\theta 1}{2},$$

$$-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Bigg)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 1]}\right)-$$

$$\Bigg(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 1]}{r^2-2\,r\,r1+r1^2}}\;\text{EllipticF}\Big[$$

$$\frac{\theta 1}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Bigg)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 1]}\right)\Bigg)-$$

$$\Bigg(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 1]}{r^2+r1^2}}\;\Bigg(-r^2-r1^2+r^2$$

$$\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 1]}{r^2+r1^2}}+r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 1]}{r^2+r1^2}}\Bigg)$$

$$(1+2\,\text{Cos}[2\,\lambda 2])\,\text{Sin}[\lambda 2]\Big)\Big/\left(r\,r1\,\sqrt{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 1]}\right)\Bigg)\Bigg)+$$

$$\text{Cos}[\lambda]\ (-1+2\,\text{Cos}[2\,\lambda])\left(\left(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 1]}{r^2+r1^2}}\left(-r^2-r1^2+\right.\right.\right.$$

$$\left.r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 1]}{r^2+r1^2}}+r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 1]}{r^2+r1^2}}\right)$$

$$\left.\text{Cos}[\lambda 2]\ (-1+2\,\text{Cos}[2\,\lambda 2])\right)\Big/\left(r\,r1\sqrt{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 1]}\right)-$$

$$\frac{1}{2\,r\,r1}\left(\left(2\left(r^2-2\,r\,r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 1]}{r^2-2\,r\,r1+r1^2}}\ \text{EllipticE}\Big[\right.\right.$$

$$\left.\frac{\theta 1}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 1]}\right)-$$

$$\left(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 1]}{r^2-2\,r\,r1+r1^2}}\ \text{EllipticF}\Big[\right.$$

$$\left.\frac{\theta 1}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\right)\Big/$$

$$\left.\left.\left(\sqrt{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 1]}\right)\right)\text{Sin}[3\,\lambda 2]\right)\right)-$$

$$\frac{1}{r^2-r1^2}\,12\,r1^3\left(-\left((1+2\,\text{Cos}[2\,\lambda])\ \text{Sin}[\lambda]\left(-\frac{1}{2\,r\,r1}\,\text{Cos}[3\,\lambda 2]\right.\right.\right.$$

$$\left(\left(2\left(r^2-2\,r\,r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 1]}{r^2-2\,r\,r1+r1^2}}\ \text{EllipticE}\Big[\frac{\theta 1}{2},\right.\right.$$

$$\left.-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 1]}\right)-$$

$$\left(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 1]}{r^2-2\,r\,r1+r1^2}}\ \text{EllipticF}\Big[\right.$$

$$\left.\left.\frac{\theta 1}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 1]}\right)\right)-$$

$$\left(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 1]}{r^2+r1^2}}\left(-r^2-r1^2+r^2\right.\right.$$

$$\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2+r1^2}}+r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2+r1^2}}\Bigg)$$

$$(1+2\,\mathrm{Cos}[2\,\lambda 2])\,\mathrm{Sin}[\lambda 2]\Bigg)\Big/\left(r\,r1\,\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}\right)\Bigg)\Bigg)+$$

$$\mathrm{Cos}[\lambda]\,(-1+2\,\mathrm{Cos}[2\,\lambda])\,\Bigg(\Bigg(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2+r1^2}}\,\Bigg(-r^2-r1^2+$$

$$r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2+r1^2}}+r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2+r1^2}}\Bigg)$$

$$\mathrm{Cos}[\lambda 2]\,(-1+2\,\mathrm{Cos}[2\,\lambda 2])\Bigg)\Big/\left(r\,r1\,\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}\right)-$$

$$\frac{1}{2\,r\,r1}\Bigg(\Bigg(2\left(r^2-2\,r\,r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r1+r1^2}}\,\mathrm{EllipticE}\Big[$$

$$\frac{\theta 1}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Bigg)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}\right)-$$

$$\Bigg(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r1+r1^2}}\,\mathrm{EllipticF}\Big[$$

$$\frac{\theta 1}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Bigg)\Big/$$

$$\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}\right)\Bigg)\,\mathrm{Sin}[3\,\lambda 2]\Bigg)\Bigg)-$$

$$\frac{1}{r^2\left(r^2-r1^2\right)}\,8\,r1^5\Bigg(-\Bigg((1+2\,\mathrm{Cos}[2\,\lambda])\,\mathrm{Sin}[\lambda]\,\Bigg(-\frac{1}{2\,r\,r1}\,\mathrm{Cos}[3\,\lambda 2]$$

$$\Bigg(\Bigg(2\left(r^2-2\,r\,r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r1+r1^2}}\,\mathrm{EllipticE}\Big[\frac{\theta 1}{2},$$

$$-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Bigg)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}\right)-$$

$$\Bigg(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r1+r1^2}}\,\mathrm{EllipticF}\Big[$$

$$\frac{\theta 1}{2}, -\frac{4\, r\, r1}{r^2 - 2\, r\, r1 + r1^2}\Big]\Big) \Big/ \left(\sqrt{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 1]}\right)\Big) -$$

$$\left(\sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 1]}{r^2 + r1^2}}\left(-r^2 - r1^2 + r^2\right.\right.$$

$$\left.\sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 1]}{r^2 + r1^2}} + r1^2 \sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 1]}{r^2 + r1^2}}\right)$$

$$\left.(1 + 2\, \mathrm{Cos}[2\, \lambda 2])\, \mathrm{Sin}[\lambda 2]\right) \Big/ \left(r\, r1\, \sqrt{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 1]}\right)\Big)\Big) +$$

$$\mathrm{Cos}[\lambda]\, (-1 + 2\, \mathrm{Cos}[2\, \lambda])\, \Big(\Big(\sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 1]}{r^2 + r1^2}}\left(-r^2 - r1^2 + \right.\right.$$

$$\left. r^2 \sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 1]}{r^2 + r1^2}} + r1^2 \sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 1]}{r^2 + r1^2}}\right)$$

$$\left.\mathrm{Cos}[\lambda 2]\, (-1 + 2\, \mathrm{Cos}[2\, \lambda 2])\right) \Big/ \left(r\, r1\, \sqrt{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 1]}\right) -$$

$$\frac{1}{2\, r\, r1}\Big(\Big(2\, \left(r^2 - 2\, r\, r1 + r1^2\right) \sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 1]}{r^2 - 2\, r\, r1 + r1^2}}\, \mathrm{EllipticE}\Big[$$

$$\frac{\theta 1}{2}, -\frac{4\, r\, r1}{r^2 - 2\, r\, r1 + r1^2}\Big]\Big) \Big/ \left(\sqrt{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 1]}\right) -$$

$$\Big(2\, \left(r^2 + r1^2\right) \sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 1]}{r^2 - 2\, r\, r1 + r1^2}}\, \mathrm{EllipticF}\Big[$$

$$\frac{\theta 1}{2}, -\frac{4\, r\, r1}{r^2 - 2\, r\, r1 + r1^2}\Big]\Big) \Big/$$

$$\left(\sqrt{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 1]}\right)\Big)\, \mathrm{Sin}[3\, \lambda 2]\Big)\Big) -$$

$$\frac{1}{r^2 - r1^2}\, 32\, r^2\, r1\, \Big((1 + 2\, \mathrm{Cos}[2\, \lambda])\, \mathrm{Sin}[\lambda]\, \Big(-\frac{1}{2\, r\, r1}\, \mathrm{Cos}[3\, \lambda 2]$$

$$\Big(\Big(2\, \left(r^2 - 2\, r\, r1 + r1^2\right) \sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 1]}{r^2 - 2\, r\, r1 + r1^2}}\, \mathrm{EllipticE}\Big[\frac{\theta 1}{2},$$

$$-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Big)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}\right)-$$

$$\left(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticF}\Big[\frac{\theta1}{2},\right.$$

$$\left.-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}\right)\Big)+$$

$$\left(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}{r^2+r1^2}}\left(-r^2-r1^2+r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}{r^2+r1^2}}+\right.\right.$$

$$\left.r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}{r^2+r1^2}}\right)(1+2\,\mathrm{Cos}[2\,\lambda2])\,\mathrm{Sin}[\lambda2]\Big)\Big/$$

$$\left(r\,r1\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}\right)\Big)+\mathrm{Cos}[\lambda]\,(-1+2\,\mathrm{Cos}[2\,\lambda])$$

$$\left(\left(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}{r^2+r1^2}}\left(-r^2-r1^2+r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}{r^2+r1^2}}+\right.\right.\right.$$

$$\left.r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}{r^2+r1^2}}\right)\mathrm{Cos}[\lambda2]$$

$$(-1+2\,\mathrm{Cos}[2\,\lambda2])\Big)\Big/\left(r\,r1\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}\right)+\frac{1}{2\,r\,r1}$$

$$\left(\left(2\left(r^2-2\,r\,r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticE}\Big[\right.\right.$$

$$\left.\frac{\theta1}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}\right)-$$

$$\left(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticF}\Big[\right.$$

$$\left.\frac{\theta1}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\right)\Big/$$

$$\left.\left.\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}\right)\right)\mathrm{Sin}[3\,\lambda2]\right)\right)+$$

$$\frac{1}{r^2 - r1^2}\, 12\, r1^3 \Bigg((1 + 2\,\mathrm{Cos}[2\,\lambda])\,\mathrm{Sin}[\lambda] \Bigg(-\frac{1}{2\,r\,r1}\,\mathrm{Cos}[3\,\lambda 2]$$

$$\Bigg(\Bigg(2\,(r^2 - 2\,r\,r1 + r1^2)\,\sqrt{\frac{r^2 + r1^2 - 2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2 - 2\,r\,r1 + r1^2}}\;\mathrm{EllipticE}\Big[\frac{\theta 1}{2},$$

$$-\frac{4\,r\,r1}{r^2 - 2\,r\,r1 + r1^2}\Big]\Bigg) \Big/ \Big(\sqrt{r^2 + r1^2 - 2\,r\,r1\,\mathrm{Cos}[\theta 1]}\Big) -$$

$$\Bigg(2\,(r^2 + r1^2)\,\sqrt{\frac{r^2 + r1^2 - 2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2 - 2\,r\,r1 + r1^2}}\;\mathrm{EllipticF}\Big[\frac{\theta 1}{2},$$

$$-\frac{4\,r\,r1}{r^2 - 2\,r\,r1 + r1^2}\Big]\Bigg) \Big/ \Big(\sqrt{r^2 + r1^2 - 2\,r\,r1\,\mathrm{Cos}[\theta 1]}\Big)\Bigg) +$$

$$\Bigg(\sqrt{\frac{r^2 + r1^2 - 2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2 + r1^2}}\;\Bigg(-r^2 - r1^2 + r^2\,\sqrt{\frac{r^2 + r1^2 - 2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2 + r1^2}} +$$

$$r1^2\,\sqrt{\frac{r^2 + r1^2 - 2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2 + r1^2}}\Bigg)\,(1 + 2\,\mathrm{Cos}[2\,\lambda 2])\,\mathrm{Sin}[\lambda 2]\Bigg) \Big/$$

$$\Big(r\,r1\,\sqrt{r^2 + r1^2 - 2\,r\,r1\,\mathrm{Cos}[\theta 1]}\Big)\Bigg) + \mathrm{Cos}[\lambda]\,(-1 + 2\,\mathrm{Cos}[2\,\lambda])$$

$$\Bigg(\Bigg(\sqrt{\frac{r^2 + r1^2 - 2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2 + r1^2}}\;\Bigg(-r^2 - r1^2 + r^2\,\sqrt{\frac{r^2 + r1^2 - 2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2 + r1^2}} +$$

$$r1^2\,\sqrt{\frac{r^2 + r1^2 - 2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2 + r1^2}}\Bigg)\,\mathrm{Cos}[\lambda 2]$$

$$(-1 + 2\,\mathrm{Cos}[2\,\lambda 2])\Bigg) \Big/ \Big(r\,r1\,\sqrt{r^2 + r1^2 - 2\,r\,r1\,\mathrm{Cos}[\theta 1]}\Big) + \frac{1}{2\,r\,r1}$$

$$\Bigg(\Bigg(2\,(r^2 - 2\,r\,r1 + r1^2)\,\sqrt{\frac{r^2 + r1^2 - 2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2 - 2\,r\,r1 + r1^2}}\;\mathrm{EllipticE}\Big[$$

$$\frac{\theta 1}{2}, -\frac{4\,r\,r1}{r^2 - 2\,r\,r1 + r1^2}\Big]\Bigg) \Big/ \Big(\sqrt{r^2 + r1^2 - 2\,r\,r1\,\mathrm{Cos}[\theta 1]}\Big) -$$

$$\Bigg(2\,(r^2 + r1^2)\,\sqrt{\frac{r^2 + r1^2 - 2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2 - 2\,r\,r1 + r1^2}}\;\mathrm{EllipticF}\Big[$$

$$\frac{\theta 1}{2}, -\frac{4\, r\, r1}{r^2 - 2\, r\, r1 + r1^2}\Big]\Big)\Big/$$

$$\left(\sqrt{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 1]}\right)\Big)\, \mathrm{Sin}[3\, \lambda 2]\Big)\Big) +$$

$$\frac{1}{r^2\left(r^2 - r1^2\right)}\, 8\, r1^5 \Big(\left(1 + 2\, \mathrm{Cos}[2\, \lambda]\right) \mathrm{Sin}[\lambda] \Big(-\frac{1}{2\, r\, r1}\, \mathrm{Cos}[3\, \lambda 2]$$

$$\Big(\Big(2\left(r^2 - 2\, r\, r1 + r1^2\right) \sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 1]}{r^2 - 2\, r\, r1 + r1^2}}\, \mathrm{EllipticE}\Big[\frac{\theta 1}{2},$$

$$-\frac{4\, r\, r1}{r^2 - 2\, r\, r1 + r1^2}\Big]\Big)\Big/\left(\sqrt{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 1]}\right) -$$

$$\Big(2\left(r^2 + r1^2\right) \sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 1]}{r^2 - 2\, r\, r1 + r1^2}}\, \mathrm{EllipticF}\Big[\frac{\theta 1}{2},$$

$$-\frac{4\, r\, r1}{r^2 - 2\, r\, r1 + r1^2}\Big]\Big)\Big/\left(\sqrt{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 1]}\right)\Big) +$$

$$\Big(\sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 1]}{r^2 + r1^2}}\, \Big(-r^2 - r1^2 + r^2 \sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 1]}{r^2 + r1^2}} +$$

$$r1^2 \sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 1]}{r^2 + r1^2}}\Big)\, \left(1 + 2\, \mathrm{Cos}[2\, \lambda 2]\right) \mathrm{Sin}[\lambda 2]\Big)\Big/$$

$$\left(r\, r1\, \sqrt{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 1]}\right)\Big) + \mathrm{Cos}[\lambda]\, \left(-1 + 2\, \mathrm{Cos}[2\, \lambda]\right)$$

$$\Big(\Big(\sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 1]}{r^2 + r1^2}}\, \Big(-r^2 - r1^2 + r^2 \sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 1]}{r^2 + r1^2}} +$$

$$r1^2 \sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 1]}{r^2 + r1^2}}\Big)\, \mathrm{Cos}[\lambda 2]$$

$$\left(-1 + 2\, \mathrm{Cos}[2\, \lambda 2]\right)\Big)\Big/\left(r\, r1\, \sqrt{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 1]}\right) + \frac{1}{2\, r\, r1}$$

$$\Big(\Big(2\left(r^2 - 2\, r\, r1 + r1^2\right) \sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 1]}{r^2 - 2\, r\, r1 + r1^2}}\, \mathrm{EllipticE}\Big[$$

$$\frac{\theta 1}{2}, -\frac{4\, r\, r1}{r^2 - 2\, r\, r1 + r1^2}\Big]\Big) \Big/ \left(\sqrt{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 1]}\right) -$$

$$\left(2\left(r^2 + r1^2\right)\sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 1]}{r^2 - 2\, r\, r1 + r1^2}}\ \mathrm{EllipticF}\Big[\right.$$

$$\left.\frac{\theta 1}{2}, -\frac{4\, r\, r1}{r^2 - 2\, r\, r1 + r1^2}\Big]\right) \Big/$$

$$\left.\left(\sqrt{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 1]}\right)\right) \mathrm{Sin}[3\, \lambda 2]\Big)\Big) -$$

$$\frac{1}{r^2 - r2^2}\, 32\, r^2\, r2 \Bigg(-\Bigg((1 + 2\, \mathrm{Cos}[2\, \lambda])\, \mathrm{Sin}[\lambda] \Bigg(-\frac{1}{2\, r\, r2}\, \mathrm{Cos}[3\, \lambda 2]$$

$$\Bigg(\Bigg(2\left(r^2 - 2\, r\, r2 + r2^2\right)\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 1]}{r^2 - 2\, r\, r2 + r2^2}}\ \mathrm{EllipticE}\Big[\frac{\theta 1}{2},$$

$$-\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\Big]\Bigg) \Big/ \left(\sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 1]}\right) -$$

$$\Bigg(2\left(r^2 + r2^2\right)\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 1]}{r^2 - 2\, r\, r2 + r2^2}}\ \mathrm{EllipticF}\Big[$$

$$\frac{\theta 1}{2}, -\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\Big]\Bigg) \Big/ \left(\sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 1]}\right)\Bigg) -$$

$$\Bigg(\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 1]}{r^2 + r2^2}}\ \Bigg(-r^2 - r2^2 + r^2$$

$$\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 1]}{r^2 + r2^2}} + r2^2\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 1]}{r^2 + r2^2}}\Bigg)$$

$$(1 + 2\, \mathrm{Cos}[2\, \lambda 2])\, \mathrm{Sin}[\lambda 2]\Bigg) \Big/ \left(r\, r2\sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 1]}\right)\Bigg)\Bigg) +$$

$$\mathrm{Cos}[\lambda]\, (-1 + 2\, \mathrm{Cos}[2\, \lambda])\, \Bigg(\Bigg(\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 1]}{r^2 + r2^2}}\ \Bigg(-r^2 - r2^2 +$$

$$r^2\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 1]}{r^2 + r2^2}} + r2^2\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 1]}{r^2 + r2^2}}\Bigg)$$

$$\text{Cos}[\lambda 2]\ (-1+2\,\text{Cos}[2\,\lambda 2])\Big)\Big/\Big(r\ r2\ \sqrt{r^2+r2^2-2\ r\ r2\ \text{Cos}[\theta 1]}\Big)-$$

$$\frac{1}{2\ r\ r2}\Bigg(\Bigg(2\left(r^2-2\ r\ r2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\ r\ r2\ \text{Cos}[\theta 1]}{r^2-2\ r\ r2+r2^2}}\ \text{EllipticE}\Big[$$

$$\frac{\theta 1}{2},-\frac{4\ r\ r2}{r^2-2\ r\ r2+r2^2}\Big]\Bigg)\Big/\Big(\sqrt{r^2+r2^2-2\ r\ r2\ \text{Cos}[\theta 1]}\Big)-$$

$$\Bigg(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\ r\ r2\ \text{Cos}[\theta 1]}{r^2-2\ r\ r2+r2^2}}\ \text{EllipticF}\Big[$$

$$\frac{\theta 1}{2},-\frac{4\ r\ r2}{r^2-2\ r\ r2+r2^2}\Big]\Bigg)\Big/$$

$$\Big(\sqrt{r^2+r2^2-2\ r\ r2\ \text{Cos}[\theta 1]}\Big)\Bigg)\ \text{Sin}[3\,\lambda 2]\Bigg)\Bigg)+$$

$$\frac{1}{r^2-r2^2}\ 12\ r2^3\Bigg(-\Bigg((1+2\,\text{Cos}[2\,\lambda])\ \text{Sin}[\lambda]\ \Bigg(-\frac{1}{2\ r\ r2}\ \text{Cos}[3\,\lambda 2]$$

$$\Bigg(\Bigg(2\left(r^2-2\ r\ r2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\ r\ r2\ \text{Cos}[\theta 1]}{r^2-2\ r\ r2+r2^2}}\ \text{EllipticE}\Big[\frac{\theta 1}{2},$$

$$-\frac{4\ r\ r2}{r^2-2\ r\ r2+r2^2}\Big]\Bigg)\Big/\Big(\sqrt{r^2+r2^2-2\ r\ r2\ \text{Cos}[\theta 1]}\Big)-$$

$$\Bigg(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\ r\ r2\ \text{Cos}[\theta 1]}{r^2-2\ r\ r2+r2^2}}\ \text{EllipticF}\Big[$$

$$\frac{\theta 1}{2},-\frac{4\ r\ r2}{r^2-2\ r\ r2+r2^2}\Big]\Bigg)\Big/\Big(\sqrt{r^2+r2^2-2\ r\ r2\ \text{Cos}[\theta 1]}\Big)\Bigg)-$$

$$\Bigg(\sqrt{\frac{r^2+r2^2-2\ r\ r2\ \text{Cos}[\theta 1]}{r^2+r2^2}}\ \Bigg(-r^2-r2^2+r^2$$

$$\sqrt{\frac{r^2+r2^2-2\ r\ r2\ \text{Cos}[\theta 1]}{r^2+r2^2}}+r2^2\sqrt{\frac{r^2+r2^2-2\ r\ r2\ \text{Cos}[\theta 1]}{r^2+r2^2}}\Bigg)$$

$$(1+2\,\text{Cos}[2\,\lambda 2])\ \text{Sin}[\lambda 2]\Bigg)\Big/\Big(r\ r2\ \sqrt{r^2+r2^2-2\ r\ r2\ \text{Cos}[\theta 1]}\Big)\Bigg)\Bigg)+$$

$$\text{Cos}[\lambda]\ (-1+2\,\text{Cos}[2\,\lambda])\ \left(\left(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 1]}{r^2+r2^2}}\ \left(-r^2-r2^2+\right.\right.\right.$$

$$\left.r^2\ \sqrt{\frac{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 1]}{r^2+r2^2}}+r2^2\ \sqrt{\frac{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 1]}{r^2+r2^2}}\right)$$

$$\left.\text{Cos}[\lambda 2]\ (-1+2\,\text{Cos}[2\,\lambda 2])\right)\Big/\left(r\,r2\ \sqrt{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 1]}\right)-$$

$$\frac{1}{2\,r\,r2}\ \left(\left(2\left(r^2-2\,r\,r2+r2^2\right)\ \sqrt{\frac{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 1]}{r^2-2\,r\,r2+r2^2}}\ \text{EllipticE}\Big[\right.\right.$$

$$\left.\frac{\theta 1}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 1]}\right)-$$

$$\left(2\left(r^2+r2^2\right)\ \sqrt{\frac{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 1]}{r^2-2\,r\,r2+r2^2}}\ \text{EllipticF}\Big[\right.$$

$$\left.\frac{\theta 1}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\right)\Big/$$

$$\left.\left.\left(\sqrt{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 1]}\right)\right)\ \text{Sin}[3\,\lambda 2]\right)\right)+$$

$$\frac{1}{r^2\left(r^2-r2^2\right)}\ 8\,r2^5\ \left(-\left((1+2\,\text{Cos}[2\,\lambda])\ \text{Sin}[\lambda]\ \left(-\frac{1}{2\,r\,r2}\ \text{Cos}[3\,\lambda 2]\right.\right.\right.$$

$$\left(\left(2\left(r^2-2\,r\,r2+r2^2\right)\ \sqrt{\frac{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 1]}{r^2-2\,r\,r2+r2^2}}\ \text{EllipticE}\Big[\frac{\theta 1}{2},\right.\right.$$

$$\left.-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 1]}\right)-$$

$$\left(2\left(r^2+r2^2\right)\ \sqrt{\frac{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 1]}{r^2-2\,r\,r2+r2^2}}\ \text{EllipticF}\Big[\right.$$

$$\left.\left.\frac{\theta 1}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 1]}\right)\right)-$$

$$\left(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 1]}{r^2+r2^2}}\ \left(-r^2-r2^2+r^2\right.\right.$$

$$\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}+r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}\Bigg)$$

$$(1+2\,\mathrm{Cos}[2\,\lambda 2])\,\mathrm{Sin}[\lambda 2]\Bigg)\Big/\left(r\,r2\,\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}\right)\Bigg)\Bigg)+$$

$$\mathrm{Cos}[\lambda]\,(-1+2\,\mathrm{Cos}[2\,\lambda])\,\Bigg(\Bigg(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}\,\Bigg(-r^2-r2^2+$$

$$r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}+r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}\Bigg)$$

$$\mathrm{Cos}[\lambda 2]\,(-1+2\,\mathrm{Cos}[2\,\lambda 2])\Bigg)\Big/\left(r\,r2\,\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}\right)-$$

$$\frac{1}{2\,r\,r2}\Bigg(\Bigg(2\left(r^2-2\,r\,r2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r2+r2^2}}\,\mathrm{EllipticE}\Big[$$

$$\frac{\theta 1}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\Bigg)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}\right)-$$

$$\Bigg(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r2+r2^2}}\,\mathrm{EllipticF}\Big[$$

$$\frac{\theta 1}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\Bigg)\Big/$$

$$\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}\right)\Bigg)\,\mathrm{Sin}[3\,\lambda 2]\Bigg)\Bigg)+$$

$$\frac{1}{r^2-r2^2}\,32\,r^2\,r2\,\Bigg((1+2\,\mathrm{Cos}[2\,\lambda])\,\mathrm{Sin}[\lambda]\,\Bigg(-\frac{1}{2\,r\,r2}\,\mathrm{Cos}[3\,\lambda 2]$$

$$\Bigg(\Bigg(2\left(r^2-2\,r\,r2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r2+r2^2}}\,\mathrm{EllipticE}\Big[\frac{\theta 1}{2},$$

$$-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\Bigg)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}\right)-$$

$$\Bigg(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r2+r2^2}}\,\mathrm{EllipticF}\Big[\frac{\theta 1}{2},$$

$$-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\Big)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}\right)\Big)+$$

$$\left(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}\left(-r^2-r2^2+r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}+\right.\right.$$

$$\left.\left.r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}\right)(1+2\,\mathrm{Cos}[2\,\lambda 2])\,\mathrm{Sin}[\lambda 2]\right)\Big/$$

$$\left.\left(r\,r2\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}\right)\right)+\mathrm{Cos}[\lambda]\,(-1+2\,\mathrm{Cos}[2\,\lambda])$$

$$\left(\left(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}\left(-r^2-r2^2+r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}+\right.\right.\right.$$

$$\left.r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}\right)\mathrm{Cos}[\lambda 2]$$

$$\left.(-1+2\,\mathrm{Cos}[2\,\lambda 2])\right)\Big/\left(r\,r2\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}\right)+\frac{1}{2\,r\,r2}$$

$$\left(\left(2\left(r^2-2\,r\,r2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r2+r2^2}}\,\mathrm{EllipticE}\Big[\right.\right.$$

$$\left.\frac{\theta 1}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}\right)-$$

$$\left(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r2+r2^2}}\,\mathrm{EllipticF}\Big[\right.$$

$$\left.\frac{\theta 1}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\right)\Big/$$

$$\left.\left.\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}\right)\right)\mathrm{Sin}[3\,\lambda 2]\right)\right)-$$

$$\frac{1}{r^2-r2^2}\,12\,r2^3\left((1+2\,\mathrm{Cos}[2\,\lambda])\,\mathrm{Sin}[\lambda]\left(-\frac{1}{2\,r\,r2}\,\mathrm{Cos}[3\,\lambda 2]\right.\right.$$

$$\left(\left(2\left(r^2-2\,r\,r2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r2+r2^2}}\,\mathrm{EllipticE}\Big[\frac{\theta 1}{2},\right.\right.$$

$$-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\Big)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}\right)-$$

$$\left(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticF}\Big[\frac{\theta 1}{2},\right.$$

$$\left.-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\Big)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}\right)\Big)+$$

$$\left(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}\left(-r^2-r2^2+r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}+\right.\right.$$

$$\left.r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}\right)(1+2\,\mathrm{Cos}[2\,\lambda 2])\,\mathrm{Sin}[\lambda 2]\Big)\Big/$$

$$\left.\left(r\,r2\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}\right)\right)+\mathrm{Cos}[\lambda]\,(-1+2\,\mathrm{Cos}[2\,\lambda])$$

$$\left(\left(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}\left(-r^2-r2^2+r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}+\right.\right.\right.$$

$$\left.r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}\right)\mathrm{Cos}[\lambda 2]$$

$$\left.(-1+2\,\mathrm{Cos}[2\,\lambda 2])\right)\Big/\left(r\,r2\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}\right)+\frac{1}{2\,r\,r2}$$

$$\left(\left(2\left(r^2-2\,r\,r2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticE}\Big[\right.\right.$$

$$\left.\frac{\theta 1}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}\right)-$$

$$\left(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticF}\Big[\right.$$

$$\left.\frac{\theta 1}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\right)\Big/$$

$$\left.\left.\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}\right)\right)\mathrm{Sin}[3\,\lambda 2]\right)\Big)-$$

$$\frac{1}{r^2\left(r^2-r2^2\right)}\,8\,r2^5\left((1+2\,\mathrm{Cos}[2\,\lambda])\,\mathrm{Sin}[\lambda]\left(-\frac{1}{2\,r\,r2}\,\mathrm{Cos}[3\,\lambda2]\right.\right.$$

$$\left(\left(2\left(r^2-2\,r\,r2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta1]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticE}\left[\frac{\theta1}{2},\right.\right.\right.$$

$$\left.\left.-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta1]}\right)-$$

$$\left(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta1]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticF}\left[\frac{\theta1}{2},\right.\right.$$

$$\left.\left.\left.-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta1]}\right)\right)+$$

$$\left(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta1]}{r^2+r2^2}}\left(-r^2-r2^2+r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta1]}{r^2+r2^2}}+\right.\right.$$

$$\left.\left.r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta1]}{r^2+r2^2}}\right)(1+2\,\mathrm{Cos}[2\,\lambda2])\,\mathrm{Sin}[\lambda2]\right)\Big/$$

$$\left.\left(r\,r2\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta1]}\right)\right)+\mathrm{Cos}[\lambda]\,(-1+2\,\mathrm{Cos}[2\,\lambda])$$

$$\left(\left(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta1]}{r^2+r2^2}}\left(-r^2-r2^2+r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta1]}{r^2+r2^2}}+\right.\right.\right.$$

$$\left.r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta1]}{r^2+r2^2}}\right)\mathrm{Cos}[\lambda2]$$

$$\left.(-1+2\,\mathrm{Cos}[2\,\lambda2])\right)\Big/\left(r\,r2\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta1]}\right)+\frac{1}{2\,r\,r2}$$

$$\left(\left(2\left(r^2-2\,r\,r2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta1]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticE}\left[\right.\right.\right.$$

$$\left.\left.\frac{\theta1}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta1]}\right)-$$

$$\left(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta1]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticF}\left[\right.\right.$$

$$\frac{\theta 1}{2}, -\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\Big]\Big) \Big/$$

$$\left(\sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 1]}\right)\Big)\, \mathrm{Sin}[3\, \lambda 2]\Big)\Big) +$$

$$\sqrt{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 1]}\, \Big(-\big(\big(2\, \big(-15\, r^2\, r1^3\, \mathrm{Cos}[\theta 1 + 3\, \lambda - 3\, \lambda 1] -$$

$$5\, r1^5\, \mathrm{Cos}[\theta 1 + 3\, \lambda - 3\, \lambda 1] - 3\, r^2\, r1^3\, \mathrm{Cos}[\theta 1 + \lambda - \lambda 1] +$$
$$15\, r1^5\, \mathrm{Cos}[\theta 1 + \lambda - \lambda 1] + 3\, r^2\, r1^3\, \mathrm{Cos}[\theta 1 - \lambda + \lambda 1] -$$
$$15\, r1^5\, \mathrm{Cos}[\theta 1 - \lambda + \lambda 1] + 15\, r^2\, r1^3\, \mathrm{Cos}[\theta 1 - 3\, \lambda + 3\, \lambda 1] +$$
$$5\, r1^5\, \mathrm{Cos}[\theta 1 - 3\, \lambda + 3\, \lambda 1] + 15\, r^2\, r1^3\, \mathrm{Cos}[\theta 1 + 3\, \lambda - 3\, \lambda 2] +$$
$$5\, r1^5\, \mathrm{Cos}[\theta 1 + 3\, \lambda - 3\, \lambda 2] + 3\, r^2\, r1^3\, \mathrm{Cos}[\theta 1 + \lambda - \lambda 2] - 15\, r1^5$$
$$\mathrm{Cos}[\theta 1 + \lambda - \lambda 2] - 3\, r^2\, r1^3\, \mathrm{Cos}[\theta 1 - \lambda + \lambda 2] + 15\, r1^5\, \mathrm{Cos}[\theta 1 - \lambda + \lambda 2] -$$
$$15\, r^2\, r1^3\, \mathrm{Cos}[\theta 1 - 3\, \lambda + 3\, \lambda 2] - 5\, r1^5\, \mathrm{Cos}[\theta 1 - 3\, \lambda + 3\, \lambda 2]\big)\big) \Big/$$
$$\big(r^2\, \big(r^2 - r1^2\big)\, \big(-r^2 - r1^2 + 2\, r\, r1\, \mathrm{Cos}[\theta 1]\big)\big)\big) -$$
$$\frac{1}{r^2\, \big(-r^2 - r1^2 + 2\, r\, r1\, \mathrm{Cos}[\theta 1]\big)^2}\, 2\, \big(-r^2\, r1^3\, \mathrm{Cos}[\theta 1 + 3\, \lambda - 3\, \lambda 1] + r1^5$$
$$\mathrm{Cos}[\theta 1 + 3\, \lambda - 3\, \lambda 1] + 3\, r^2\, r1^3\, \mathrm{Cos}[\theta 1 + \lambda - \lambda 1] - 3\, r1^5$$
$$\mathrm{Cos}[\theta 1 + \lambda - \lambda 1] - 3\, r^2\, r1^3\, \mathrm{Cos}[\theta 1 - \lambda + \lambda 1] + 3\, r1^5\, \mathrm{Cos}[\theta 1 - \lambda + \lambda 1] + r^2$$
$$r1^3\, \mathrm{Cos}[\theta 1 - 3\, \lambda + 3\, \lambda 1] - r1^5\, \mathrm{Cos}[\theta 1 - 3\, \lambda + 3\, \lambda 1] + r^2$$
$$r1^3\, \mathrm{Cos}[\theta 1 + 3\, \lambda - 3\, \lambda 2] - r1^5\, \mathrm{Cos}[\theta 1 + 3\, \lambda - 3\, \lambda 2] - 3$$
$$r^2\, r1^3\, \mathrm{Cos}[\theta 1 + \lambda - \lambda 2] + 3\, r1^5\, \mathrm{Cos}[\theta 1 + \lambda - \lambda 2] + 3$$
$$r^2\, r1^3\, \mathrm{Cos}[\theta 1 - \lambda + \lambda 2] - 3\, r1^5\, \mathrm{Cos}[\theta 1 - \lambda + \lambda 2] - r^2$$
$$r1^3\, \mathrm{Cos}[\theta 1 - 3\, \lambda + 3\, \lambda 2] + r1^5\, \mathrm{Cos}[\theta 1 - 3\, \lambda + 3\, \lambda 2]\big) +$$
$$\frac{1}{r^2 - r1^2}\, 32\, \mathrm{Csc}[\theta 1]\, \big(-2\, r1\, \mathrm{Sin}[3\, \lambda - 3\, \lambda 1] - r\, \mathrm{Sin}[\theta 1 + 3\, \lambda - 3\, \lambda 1] +$$
$$r\, \mathrm{Sin}[\theta 1 - 3\, \lambda + 3\, \lambda 1] + 2\, r1\, \mathrm{Sin}[3\, \lambda - 3\, \lambda 2] + r$$
$$\mathrm{Sin}[\theta 1 + 3\, \lambda - 3\, \lambda 2] - r\, \mathrm{Sin}[\theta 1 - 3\, \lambda + 3\, \lambda 2]\big)\Big) +$$

$$\sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 1]}\, \Big(\big(2\, \big(-15\, r^2\, r2^3\, \mathrm{Cos}[\theta 1 + 3\, \lambda - 3\, \lambda 1] -$$

$$5\, r2^5\, \mathrm{Cos}[\theta 1 + 3\, \lambda - 3\, \lambda 1] - 3\, r^2\, r2^3\, \mathrm{Cos}[\theta 1 + \lambda - \lambda 1] +$$
$$15\, r2^5\, \mathrm{Cos}[\theta 1 + \lambda - \lambda 1] + 3\, r^2\, r2^3\, \mathrm{Cos}[\theta 1 - \lambda + \lambda 1] -$$
$$15\, r2^5\, \mathrm{Cos}[\theta 1 - \lambda + \lambda 1] + 15\, r^2\, r2^3\, \mathrm{Cos}[\theta 1 - 3\, \lambda + 3\, \lambda 1] +$$
$$5\, r2^5\, \mathrm{Cos}[\theta 1 - 3\, \lambda + 3\, \lambda 1] + 15\, r^2\, r2^3\, \mathrm{Cos}[\theta 1 + 3\, \lambda - 3\, \lambda 2] +$$
$$5\, r2^5\, \mathrm{Cos}[\theta 1 + 3\, \lambda - 3\, \lambda 2] + 3\, r^2\, r2^3\, \mathrm{Cos}[\theta 1 + \lambda - \lambda 2] -$$
$$15\, r2^5\, \mathrm{Cos}[\theta 1 + \lambda - \lambda 2] - 3\, r^2\, r2^3\, \mathrm{Cos}[\theta 1 - \lambda + \lambda 2] +$$
$$15\, r2^5\, \mathrm{Cos}[\theta 1 - \lambda + \lambda 2] - 15\, r^2\, r2^3\, \mathrm{Cos}[\theta 1 - 3\, \lambda + 3\, \lambda 2] -$$
$$5\, r2^5\, \mathrm{Cos}[\theta 1 - 3\, \lambda + 3\, \lambda 2]\big)\big) \Big/$$
$$\big(r^2\, \big(r^2 - r2^2\big)\, \big(-r^2 - r2^2 + 2\, r\, r2\, \mathrm{Cos}[\theta 1]\big)\big) +$$
$$\frac{1}{r^2\, \big(-r^2 - r2^2 + 2\, r\, r2\, \mathrm{Cos}[\theta 1]\big)^2}$$

$$2\left(-r^2\, r2^3 \operatorname{Cos}[\theta 1+3\lambda-3\lambda 1]+r2^5 \operatorname{Cos}[\theta 1+3\lambda-3\lambda 1]+3 r^2\, r2^3 \operatorname{Cos}[\theta 1+\lambda-\lambda 1]-3\, r2^5 \operatorname{Cos}[\theta 1+\lambda-\lambda 1]-3 r^2 r2^3 \operatorname{Cos}[\theta 1-\lambda+\lambda 1]+3\, r2^5 \operatorname{Cos}[\theta 1-\lambda+\lambda 1]+r^2\, r2^3 \operatorname{Cos}[\theta 1-3\lambda+3\lambda 1]-r2^5 \operatorname{Cos}[\theta 1-3\lambda+3\lambda 1]+r^2 r2^3 \operatorname{Cos}[\theta 1+3\lambda-3\lambda 2]-r2^5 \operatorname{Cos}[\theta 1+3\lambda-3\lambda 2]-3 r^2\, r2^3 \operatorname{Cos}[\theta 1+\lambda-\lambda 2]+3\, r2^5 \operatorname{Cos}[\theta 1+\lambda-\lambda 2]+3 r^2\, r2^3 \operatorname{Cos}[\theta 1-\lambda+\lambda 2]-3\, r2^5 \operatorname{Cos}[\theta 1-\lambda+\lambda 2]-r^2 r2^3 \operatorname{Cos}[\theta 1-3\lambda+3\lambda 2]+r2^5 \operatorname{Cos}[\theta 1-3\lambda+3\lambda 2]\right)-\frac{1}{r^2-r2^2}\, 32 \operatorname{Csc}[\theta 1]\left(-2\, r2 \operatorname{Sin}[3\lambda-3\lambda 1]-r \operatorname{Sin}[\theta 1+3\lambda-3\lambda 1]+r \operatorname{Sin}[\theta 1-3\lambda+3\lambda 1]+2\, r2 \operatorname{Sin}[3\lambda-3\lambda 2]+r \operatorname{Sin}[\theta 1+3\lambda-3\lambda 2]-r \operatorname{Sin}[\theta 1-3\lambda+3\lambda 2]\right)\Bigg)\Bigg)+$$

$$\frac{1}{96\, r}\Bigg(-\Bigg(\Bigg(64\, r\, r1^2 \sqrt{\frac{r^2+r1^2-2\, r\, r1 \operatorname{Cos}[\theta 2]}{r^2-2\, r\, r1+r1^2}}\ \operatorname{EllipticF}\Big[\frac{\theta 2}{2},-\frac{4\, r\, r1}{r^2-2\, r\, r1+r1^2}\Big] \operatorname{Sin}[3\lambda-3\lambda 1]\Bigg)\Big/\left(\left(r^2-r1^2\right)\sqrt{r^2+r1^2-2\, r\, r1 \operatorname{Cos}[\theta 2]}\right)\Bigg)+\Bigg(16\, r1^4 \sqrt{\frac{r^2+r1^2-2\, r\, r1 \operatorname{Cos}[\theta 2]}{r^2-2\, r\, r1+r1^2}}\ \operatorname{EllipticF}\Big[\frac{\theta 2}{2},-\frac{4\, r\, r1}{r^2-2\, r\, r1+r1^2}\Big] \operatorname{Sin}[3\lambda-3\lambda 1]\Bigg)\Big/\left(r\left(r^2-r1^2\right)\sqrt{r^2+r1^2-2\, r\, r1 \operatorname{Cos}[\theta 2]}\right)+\Bigg(64\, r\, r2^2 \sqrt{\frac{r^2+r2^2-2\, r\, r2 \operatorname{Cos}[\theta 2]}{r^2-2\, r\, r2+r2^2}}\ \operatorname{EllipticF}\Big[\frac{\theta 2}{2},-\frac{4\, r\, r2}{r^2-2\, r\, r2+r2^2}\Big] \operatorname{Sin}[$$

$$3\lambda - 3\lambda 1]\Bigg) \Big/$$

$$\left(\left(r^2 - r2^2\right)\sqrt{r^2 + r2^2 - 2\,r\,r2\,\mathrm{Cos}[\theta 2]}\right) -$$

$$\Bigg(16\,r2^4\sqrt{\frac{r^2 + r2^2 - 2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2 - 2\,r\,r2 + r2^2}}$$

$$\mathrm{EllipticF}\Big[\frac{\theta 2}{2},$$

$$-\frac{4\,r\,r2}{r^2 - 2\,r\,r2 + r2^2}\Big]\,\mathrm{Sin}[$$

$$3\lambda - 3\lambda 1]\Bigg) \Big/$$

$$\left(r\left(r^2 - r2^2\right)\sqrt{r^2 + r2^2 - 2\,r\,r2\,\mathrm{Cos}[\theta 2]}\right) -$$

$$\frac{48\,r1^4\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticF}\left[\frac{\theta 2}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\mathrm{Sin}[\lambda-\lambda 1]}{r\left(r^2-r1^2\right)\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}} +$$

$$\frac{48\,r2^4\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticF}\left[\frac{\theta 2}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\mathrm{Sin}[\lambda-\lambda 1]}{r\left(r^2-r2^2\right)\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}} +$$

$$\frac{1}{r^2 - r1^2}$$

$$12$$

$$r1^3$$

$$\Bigg(-\mathrm{Sin}[\lambda]\Bigg(-\frac{1}{2\,r\,r1}\,\mathrm{Cos}[\lambda 1]$$

$$\Bigg(\Bigg(2\left(r^2 - 2\,r\,r1 + r1^2\right)\sqrt{\frac{r^2 + r1^2 - 2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2 - 2\,r\,r1 + r1^2}}\;\mathrm{EllipticE}\Big[\frac{\theta 2}{2},$$

$$-\frac{4\,r\,r1}{r^2 - 2\,r\,r1 + r1^2}\Big]\Bigg) \Big/ \left(\sqrt{r^2 + r1^2 - 2\,r\,r1\,\mathrm{Cos}[\theta 2]}\right) -$$

$$\Bigg(2\left(r^2 + r1^2\right)\sqrt{\frac{r^2 + r1^2 - 2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2 - 2\,r\,r1 + r1^2}}\;\mathrm{EllipticF}\Big[\frac{\theta 2}{2},$$

$$-\frac{4\,r\,r1}{r^2 - 2\,r\,r1 + r1^2}\Big]\Bigg) \Big/ \left(\sqrt{r^2 + r1^2 - 2\,r\,r1\,\mathrm{Cos}[\theta 2]}\right)\Bigg) -$$

$$\left(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}\left(-r^2-r1^2+r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}+r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}\right)\right.$$

$$\left.\mathrm{Sin}[\lambda 1]\right)\Big/\left(r\,r1\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\right)\Bigg)+$$

$$\mathrm{Cos}[\lambda]\left(\left(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}\left(-r^2-r1^2+r^2\right.\right.\right.$$

$$\left.\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}+r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}\right)$$

$$\left.\mathrm{Cos}[\lambda 1]\right)\Big/\left(r\,r1\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\right)-$$

$$\frac{1}{2\,r\,r1}\left(\left(2\left(r^2-2\,r\,r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r1+r1^2}}\,\mathrm{EllipticE}\left[\frac{\theta 2}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\right)-\right.$$

$$\left(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r1+r1^2}}\,\mathrm{EllipticF}\left[\frac{\theta 2}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\right)\Big/$$

$$\left.\left.\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\right)\right)\mathrm{Sin}[\lambda 1]\right)\Bigg)-$$

$$\frac{1}{r^2\left(r^2-r1^2\right)}\,24\,r1^5\left(-\mathrm{Sin}[\lambda]\left(-\frac{1}{2\,r\,r1}\,\mathrm{Cos}[\lambda 1]\left(\left(2\left(r^2-2\,r\,r1+r1^2\right)\right.\right.\right.\right.$$

$$\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r1+r1^2}}\,\mathrm{EllipticE}\left[\frac{\theta 2}{2},\right.$$

$$\left.-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\Big)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\right)-$$

$$\left(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticF}\left[\frac{\theta 2}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\right)\Bigg)-$$

$$\left(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}\left(-r^2-r1^2+r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}+r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}\right)\right.$$

$$\left.\mathrm{Sin}[\lambda 1]\right)\Big/\left(r\,r1\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\right)\Bigg)+$$

$$\mathrm{Cos}[\lambda]\left(\left(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}\left(-r^2-r1^2+r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}+r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}\right)\right.\right.$$

$$\left.\mathrm{Cos}[\lambda 1]\right)\Big/\left(r\,r1\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\right)-$$

$$\frac{1}{2\,r\,r1}\left(\left(2\left(r^2-2\,r\,r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticE}\left[\frac{\theta 2}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\right)-\right.$$

$$\left(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticF}\left[\frac{\theta 2}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\right)\Big/$$

$$\left.\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\right)\right)\mathrm{Sin}[\lambda 1]\Bigg)\Bigg)-$$

$$\frac{1}{r^2-r1^2}\,12\,r1^3\left(\mathrm{Sin}[\lambda]\left(-\frac{1}{2\,r\,r1}\,\mathrm{Cos}[\lambda 1]\left(\left(2\left(r^2-2\,r\,r1+r1^2\right)\right.\right.\right.\right.$$

$$\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r1+r1^2}}\ \mathrm{EllipticE}\Big[\frac{\theta 2}{2},$$

$$-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Big)\Big/\Big(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\Big)-$$

$$\Bigg(2\,(r^2+r1^2)\,\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r1+r1^2}}\ \mathrm{EllipticF}\Big[\frac{\theta 2}{2},$$

$$-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Bigg)\Big/\Big(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\Big)\Bigg)+$$

$$\Bigg(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}\ \Bigg(-r^2-r1^2+r^2\,\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}+$$

$$r1^2\,\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}\Bigg)$$

$$\mathrm{Sin}[\lambda 1]\Bigg)\Big/\Big(r\,r1\,\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\Big)\Bigg)+$$

$$\mathrm{Cos}[\lambda]\Bigg(\Bigg(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}\ \Bigg(-r^2-r1^2+r^2$$

$$\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}+r1^2\,\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}\Bigg)$$

$$\mathrm{Cos}[\lambda 1]\Bigg)\Big/\Big(r\,r1\,\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\Big)+$$

$$\frac{1}{2\,r\,r1}\Bigg(\Bigg(2\,(r^2-2\,r\,r1+r1^2)\,\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r1+r1^2}}\ \mathrm{EllipticE}\Big[$$

$$\frac{\theta 2}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Bigg)\Big/\Big(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\Big)-$$

$$\Bigg(2\,(r^2+r1^2)\,\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r1+r1^2}}\ \mathrm{EllipticF}\Big[$$

$$\frac{\theta 2}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Bigg)\Big/$$

$$\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\right)\Bigg)\,\mathrm{Sin}[\lambda 1]\Bigg)\Bigg)+$$

$$\frac{1}{r^2\left(r^2-r1^2\right)}\,24\,r1^5\Bigg(\mathrm{Sin}[\lambda]\Bigg(-\frac{1}{2\,r\,r1}\,\mathrm{Cos}[\lambda 1]\Bigg(\Bigg(2\left(r^2-2\,r\,r1+r1^2\right)$$

$$\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticE}\Big[\frac{\theta 2}{2},$$

$$-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Bigg)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\right)-$$

$$\Bigg(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticF}\Big[\frac{\theta 2}{2},$$

$$-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Bigg)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\right)\Bigg)+$$

$$\Bigg(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}\;\Bigg(-r^2-r1^2+r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}+$$

$$r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}\Bigg)$$

$$\mathrm{Sin}[\lambda 1]\Bigg)\Big/\left(r\,r1\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\right)\Bigg)+$$

$$\mathrm{Cos}[\lambda]\Bigg(\Bigg(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}\;\Bigg(-r^2-r1^2+r^2$$

$$\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}+r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}\Bigg)$$

$$\mathrm{Cos}[\lambda 1]\Bigg)\Big/\left(r\,r1\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\right)+$$

$$\frac{1}{2\,r\,r1}\Bigg(\Bigg(2\left(r^2-2\,r\,r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticE}\Big[$$

$$\frac{\theta 2}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Bigg)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\right)-$$

$$\left(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticF}\left[\frac{\theta 2}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\right)\Bigg)\,\mathrm{Sin}[\lambda 1]\Bigg)\Bigg)-$$

$$\frac{1}{r^2-r2^2}\,12\,r2^3\left(-\mathrm{Sin}[\lambda]\left(-\frac{1}{2\,r\,r2}\,\mathrm{Cos}[\lambda 1]\left(\left(2\left(r^2-2\,r\,r2+r2^2\right)\right.\right.\right.\right.$$

$$\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticE}\left[\frac{\theta 2}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\Big)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}\right)-$$

$$\left(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticF}\left[\frac{\theta 2}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}\right)\Bigg)-$$

$$\left(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2+r2^2}}\left(-r^2-r2^2+r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2+r2^2}}+r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2+r2^2}}\right)\right.$$

$$\left.\mathrm{Sin}[\lambda 1]\right)\Big/\left(r\,r2\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}\right)\Bigg)+$$

$$\mathrm{Cos}[\lambda]\left(\left(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2+r2^2}}\left(-r^2-r2^2+r^2\right.\right.\right.$$

$$\left.\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2+r2^2}}+r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2+r2^2}}\right)$$

$$\mathrm{Cos}[\lambda 1]\Big)\Big/\left(r\,r2\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}\right)-$$

$$\frac{1}{2\,r\,r2}\left(\left(2\left(r^2-2\,r\,r2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta2]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticE}\left[\frac{\theta2}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta2]}\right)-\left(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta2]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticF}\left[\frac{\theta2}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta2]}\right)\right)\mathrm{Sin}[\lambda1]\right)+$$

$$\frac{1}{r^2\left(r^2-r2^2\right)}\,24\,r2^5\left(-\mathrm{Sin}[\lambda]\left(-\frac{1}{2\,r\,r2}\,\mathrm{Cos}[\lambda1]\left(\left(2\left(r^2-2\,r\,r2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta2]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticE}\left[\frac{\theta2}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta2]}\right)-\left(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta2]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticF}\left[\frac{\theta2}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta2]}\right)\right)-\left(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta2]}{r^2+r2^2}}\left(-r^2-r2^2+r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta2]}{r^2+r2^2}}+r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta2]}{r^2+r2^2}}\right)\mathrm{Sin}[\lambda1]\right)\Big/\left(r\,r2\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta2]}\right)\right)+$$

$$\mathrm{Cos}[\lambda]\left(\left(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta2]}{r^2+r2^2}}\left(-r^2-r2^2+r^2\right.\right.\right.$$

$$\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2+r2^2}}+r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2+r2^2}}\Bigg)$$

$$\mathrm{Cos}[\lambda 1]\Bigg)\Big/\left(r\,r2\,\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}\right)-$$

$$\frac{1}{2\,r\,r2}\Bigg(\Bigg(2\left(r^2-2\,r\,r2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticE}\Big[$$

$$\frac{\theta 2}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\Bigg)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}\right)-$$

$$\Bigg(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticF}\Big[$$

$$\frac{\theta 2}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\Bigg)\Big/$$

$$\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}\right)\Bigg)\,\mathrm{Sin}[\lambda 1]\Bigg)\Bigg)+$$

$$\frac{1}{r^2-r2^2}\,12\,r2^3\Bigg(\mathrm{Sin}[\lambda]\Bigg(-\frac{1}{2\,r\,r2}\,\mathrm{Cos}[\lambda 1]\Bigg(\Bigg(2\left(r^2-2\,r\,r2+r2^2\right)$$

$$\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticE}\Big[\frac{\theta 2}{2},$$

$$-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\Bigg)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}\right)-$$

$$\Bigg(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticF}\Big[\frac{\theta 2}{2},$$

$$-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\Bigg)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}\right)\Bigg)+$$

$$\Bigg(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2+r2^2}}\Bigg(-r^2-r2^2+r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2+r2^2}}+$$

$$r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2+r2^2}}\Bigg)$$

$$\text{Sin}[\lambda 1]\Big)\Big/\left(r\,r2\,\sqrt{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 2]}\right)\Big)+$$

$$\text{Cos}[\lambda]\left(\left(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 2]}{r^2+r2^2}}\left(-r^2-r2^2+r^2\right.\right.\right.$$

$$\left.\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 2]}{r^2+r2^2}}+r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 2]}{r^2+r2^2}}\right)$$

$$\text{Cos}[\lambda 1]\Big)\Big/\left(r\,r2\,\sqrt{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 2]}\right)+$$

$$\frac{1}{2\,r\,r2}\left(\left(2\left(r^2-2\,r\,r2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 2]}{r^2-2\,r\,r2+r2^2}}\,\text{EllipticE}\Big[\right.\right.$$

$$\frac{\theta 2}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\Big)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 2]}\right)-$$

$$\left(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 2]}{r^2-2\,r\,r2+r2^2}}\,\text{EllipticF}\Big[\right.$$

$$\frac{\theta 2}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\Big)\Big/$$

$$\left.\left.\left(\sqrt{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 2]}\right)\right)\text{Sin}[\lambda 1]\right)\right)-$$

$$\frac{1}{r^2\left(r^2-r2^2\right)}\,24\,r2^5\left(\text{Sin}[\lambda]\left(-\frac{1}{2\,r\,r2}\,\text{Cos}[\lambda 1]\left(\left(2\left(r^2-2\,r\,r2+r2^2\right)\right.\right.\right.\right.$$

$$\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 2]}{r^2-2\,r\,r2+r2^2}}\,\text{EllipticE}\Big[\frac{\theta 2}{2},$$

$$-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\Big)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 2]}\right)-$$

$$\left(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 2]}{r^2-2\,r\,r2+r2^2}}\,\text{EllipticF}\Big[\frac{\theta 2}{2},\right.$$

$$\left.-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\Big)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 2]}\right)\Big)+$$

$$\left(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2+r2^2}}\left(-r^2-r2^2+r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2+r2^2}}+r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2+r2^2}}\right)\right.$$

$$\left.\mathrm{Sin}[\lambda 1]\right)\Big/\left(r\,r2\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}\right)\Bigg)+$$

$$\mathrm{Cos}[\lambda]\left(\left(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2+r2^2}}\left(-r^2-r2^2+r^2\right.\right.\right.$$

$$\left.\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2+r2^2}}+r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2+r2^2}}\right)$$

$$\left.\mathrm{Cos}[\lambda 1]\right)\Big/\left(r\,r2\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}\right)+$$

$$\frac{1}{2\,r\,r2}\left(\left(2\left(r^2-2\,r\,r2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r2+r2^2}}\,\mathrm{EllipticE}\left[\frac{\theta 2}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}\right)-\right.$$

$$\left(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r2+r2^2}}\,\mathrm{EllipticF}\left[\frac{\theta 2}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Big/$$

$$\left.\left.\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}\right)\right)\mathrm{Sin}[\lambda 1]\right)\Bigg)-$$

$$\frac{1}{r^2-r1^2}\,32\,r^2\,r1\left(-\left((1+2\,\mathrm{Cos}[2\,\lambda])\,\mathrm{Sin}[\lambda]\left(-\frac{1}{2\,r\,r1}\,\mathrm{Cos}[3\,\lambda 1]\right.\right.\right.$$

$$\left(\left(2\left(r^2-2\,r\,r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r1+r1^2}}\,\mathrm{EllipticE}\left[\frac{\theta 2}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\right)-\right.$$

$$\left(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticF}\left[\frac{\theta 2}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\right)\Bigg)-$$

$$\left(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}\left(-r^2-r1^2+r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}+r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}\right)\right.$$

$$\left.(1+2\,\mathrm{Cos}[2\,\lambda 1])\,\mathrm{Sin}[\lambda 1]\right)\Big/\left(r\,r1\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\right)\Bigg)\Bigg)+$$

$$\mathrm{Cos}[\lambda]\,(-1+2\,\mathrm{Cos}[2\,\lambda])\left(\left(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}\left(-r^2-r1^2+r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}+r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}\right)\right.\right.$$

$$\left.\mathrm{Cos}[\lambda 1]\,(-1+2\,\mathrm{Cos}[2\,\lambda 1])\right)\Big/\left(r\,r1\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\right)-$$

$$\frac{1}{2\,r\,r1}\left(\left(2\left(r^2-2\,r\,r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticE}\left[\frac{\theta 2}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\right)-\right.$$

$$\left(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticF}\left[\frac{\theta 2}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\right)\Big/$$

$$\left.\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\right)\right)\mathrm{Sin}[3\,\lambda 1]\Bigg)\Bigg)+$$

$$\frac{1}{r^2-r1^2}\,12\,r1^3\left(-\left((1+2\,\mathrm{Cos}[2\,\lambda])\,\mathrm{Sin}[\lambda]\left(-\frac{1}{2\,r\,r1}\,\mathrm{Cos}[3\,\lambda 1]\right.\right.\right.$$

$$\left(\left(2\left(r^2-2\,r\,r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticE}\left[\frac{\theta 2}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\right)-\left(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticF}\left[\frac{\theta 2}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\right)\right)-\left(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}\left(-r^2-r1^2+r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}+r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}\right)(1+2\,\mathrm{Cos}[2\,\lambda 1])\,\mathrm{Sin}[\lambda 1]\right)\Big/\left(r\,r1\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\right)\right)\Bigg)+$$

$$\mathrm{Cos}[\lambda]\,(-1+2\,\mathrm{Cos}[2\,\lambda])\left(\left(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}\left(-r^2-r1^2+r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}+r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}\right)\mathrm{Cos}[\lambda 1]\,(-1+2\,\mathrm{Cos}[2\,\lambda 1])\right)\Big/\left(r\,r1\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\right)-\frac{1}{2\,r\,r1}\left(\left(2\left(r^2-2\,r\,r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticE}\left[\frac{\theta 2}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\right)-\left(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticF}\left[\frac{\theta 2}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\right)\Big/$$

$$\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\right)\Bigg)\,\mathrm{Sin}[3\,\lambda 1]\Bigg)\Bigg)+$$

$$\frac{1}{r^2\left(r^2-r1^2\right)}\,8\,r1^5\Bigg(-\Bigg((1+2\,\mathrm{Cos}[2\,\lambda])\,\mathrm{Sin}[\lambda]\Bigg(-\frac{1}{2\,r\,r1}\,\mathrm{Cos}[3\,\lambda 1]$$

$$\Bigg(\Bigg(2\left(r^2-2\,r\,r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticE}\Big[\frac{\theta 2}{2},$$

$$-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Bigg)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\right)-$$

$$\Bigg(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticF}\Big[$$

$$\frac{\theta 2}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Bigg)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\right)\Bigg)-$$

$$\Bigg(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}\;\Bigg(-r^2-r1^2+r^2$$

$$\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}+r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}\Bigg)$$

$$(1+2\,\mathrm{Cos}[2\,\lambda 1])\,\mathrm{Sin}[\lambda 1]\Bigg)\Big/\left(r\,r1\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\right)\Bigg)\Bigg)+$$

$$\mathrm{Cos}[\lambda]\,(-1+2\,\mathrm{Cos}[2\,\lambda])\Bigg(\Bigg(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}\;\Bigg(-r^2-r1^2+$$

$$r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}+r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}\Bigg)$$

$$\mathrm{Cos}[\lambda 1]\,(-1+2\,\mathrm{Cos}[2\,\lambda 1])\Bigg)\Big/\left(r\,r1\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\right)-$$

$$\frac{1}{2\,r\,r1}\Bigg(\Bigg(2\left(r^2-2\,r\,r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticE}\Big[$$

$$\frac{\theta 2}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Bigg)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\right)-$$

$$\left(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticF}\Big[\frac{\theta 2}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\right)\mathrm{Sin}[3\,\lambda 1]\Bigg)\Bigg)+$$

$$\frac{1}{r^2-r1^2}\,32\,r^2\,r1\left((1+2\,\mathrm{Cos}[2\,\lambda])\,\mathrm{Sin}[\lambda]\left(-\frac{1}{2\,r\,r1}\,\mathrm{Cos}[3\,\lambda 1]\right.\right.$$

$$\left(\left(2\left(r^2-2\,r\,r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticE}\Big[\frac{\theta 2}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\right)-\right.$$

$$\left(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticF}\Big[\frac{\theta 2}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\right)\Bigg)+$$

$$\left(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}\left(-r^2-r1^2+r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}+\right.\right.$$

$$\left.r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}\right)(1+2\,\mathrm{Cos}[2\,\lambda 1])$$

$$\left.\mathrm{Sin}[\lambda 1]\right)\Big/\left(r\,r1\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\right)\Bigg)+$$

$$\mathrm{Cos}[\lambda]\,(-1+2\,\mathrm{Cos}[2\,\lambda])\left(\left(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}\left(-r^2-r1^2+\right.\right.\right.$$

$$\left.r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}+r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}\right)$$

$$\left.\mathrm{Cos}[\lambda 1]\,(-1+2\,\mathrm{Cos}[2\,\lambda 1])\right)\Big/\left(r\,r1\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\right)+$$

$$\frac{1}{2\,r\,r1}\left(\left(2\left(r^2-2\,r\,r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticE}\left[\frac{\theta 2}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\right)-\left(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticF}\left[\frac{\theta 2}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\right)\right)\mathrm{Sin}[3\,\lambda 1]\right)\right)-$$

$$\frac{1}{r^2-r1^2}\,12\,r1^3\left((1+2\,\mathrm{Cos}[2\,\lambda])\,\mathrm{Sin}[\lambda]\left(-\frac{1}{2\,r\,r1}\,\mathrm{Cos}[3\,\lambda 1]\right.\right.$$

$$\left(\left(2\left(r^2-2\,r\,r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticE}\left[\frac{\theta 2}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\right)-\left(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticF}\left[\frac{\theta 2}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\right)\right)+$$

$$\left(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}\left(-r^2-r1^2+r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}+r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}\right)(1+2\,\mathrm{Cos}[2\,\lambda 1])\right.$$

$$\left.\mathrm{Sin}[\lambda 1]\right)\Big/\left(r\,r1\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\right)\Bigg)+$$

$$\mathrm{Cos}[\lambda]\,(-1+2\,\mathrm{Cos}[2\,\lambda])\left(\left(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}\left(-r^2-r1^2+\right.\right.\right.$$

$$r^2 \sqrt{\frac{r^2 + r1^2 - 2\, r\, r1 \operatorname{Cos}[\theta 2]}{r^2 + r1^2}} + r1^2 \sqrt{\frac{r^2 + r1^2 - 2\, r\, r1 \operatorname{Cos}[\theta 2]}{r^2 + r1^2}}\Bigg)$$

$$\operatorname{Cos}[\lambda 1]\ (-1 + 2 \operatorname{Cos}[2\, \lambda 1])\Bigg) \Big/ \left(r\, r1 \sqrt{r^2 + r1^2 - 2\, r\, r1 \operatorname{Cos}[\theta 2]}\right) +$$

$$\frac{1}{2\, r\, r1} \Bigg(\Bigg(2 \left(r^2 - 2\, r\, r1 + r1^2\right) \sqrt{\frac{r^2 + r1^2 - 2\, r\, r1 \operatorname{Cos}[\theta 2]}{r^2 - 2\, r\, r1 + r1^2}}\ \operatorname{EllipticE}\Big[$$

$$\frac{\theta 2}{2}, -\frac{4\, r\, r1}{r^2 - 2\, r\, r1 + r1^2}\Big]\Bigg) \Big/ \left(\sqrt{r^2 + r1^2 - 2\, r\, r1 \operatorname{Cos}[\theta 2]}\right) -$$

$$\Bigg(2 \left(r^2 + r1^2\right) \sqrt{\frac{r^2 + r1^2 - 2\, r\, r1 \operatorname{Cos}[\theta 2]}{r^2 - 2\, r\, r1 + r1^2}}\ \operatorname{EllipticF}\Big[$$

$$\frac{\theta 2}{2}, -\frac{4\, r\, r1}{r^2 - 2\, r\, r1 + r1^2}\Big]\Bigg) \Big/$$

$$\left(\sqrt{r^2 + r1^2 - 2\, r\, r1 \operatorname{Cos}[\theta 2]}\right)\Bigg) \operatorname{Sin}[3\, \lambda 1]\Bigg)\Bigg) -$$

$$\frac{1}{r^2 \left(r^2 - r1^2\right)}\ 8\, r1^5 \Bigg((1 + 2 \operatorname{Cos}[2\, \lambda]) \operatorname{Sin}[\lambda] \Bigg(-\frac{1}{2\, r\, r1} \operatorname{Cos}[3\, \lambda 1]$$

$$\Bigg(\Bigg(2 \left(r^2 - 2\, r\, r1 + r1^2\right) \sqrt{\frac{r^2 + r1^2 - 2\, r\, r1 \operatorname{Cos}[\theta 2]}{r^2 - 2\, r\, r1 + r1^2}}\ \operatorname{EllipticE}\Big[\frac{\theta 2}{2},$$

$$-\frac{4\, r\, r1}{r^2 - 2\, r\, r1 + r1^2}\Big]\Bigg) \Big/ \left(\sqrt{r^2 + r1^2 - 2\, r\, r1 \operatorname{Cos}[\theta 2]}\right) -$$

$$\Bigg(2 \left(r^2 + r1^2\right) \sqrt{\frac{r^2 + r1^2 - 2\, r\, r1 \operatorname{Cos}[\theta 2]}{r^2 - 2\, r\, r1 + r1^2}}\ \operatorname{EllipticF}\Big[\frac{\theta 2}{2},$$

$$-\frac{4\, r\, r1}{r^2 - 2\, r\, r1 + r1^2}\Big]\Bigg) \Big/ \left(\sqrt{r^2 + r1^2 - 2\, r\, r1 \operatorname{Cos}[\theta 2]}\right)\Bigg) +$$

$$\Bigg(\sqrt{\frac{r^2 + r1^2 - 2\, r\, r1 \operatorname{Cos}[\theta 2]}{r^2 + r1^2}} \Bigg(-r^2 - r1^2 + r^2 \sqrt{\frac{r^2 + r1^2 - 2\, r\, r1 \operatorname{Cos}[\theta 2]}{r^2 + r1^2}} +$$

$$r1^2 \sqrt{\frac{r^2 + r1^2 - 2\, r\, r1 \operatorname{Cos}[\theta 2]}{r^2 + r1^2}}\Bigg) (1 + 2 \operatorname{Cos}[2\, \lambda 1])$$

$$\text{Sin}[\lambda 1]\Big)\Big/\left(r\, r1\, \sqrt{r^2+r1^2-2\, r\, r1\, \text{Cos}[\theta 2]}\right)\Big) +$$

$$\text{Cos}[\lambda]\,(-1+2\,\text{Cos}[2\,\lambda])\,\Bigg(\Bigg(\sqrt{\frac{r^2+r1^2-2\, r\, r1\, \text{Cos}[\theta 2]}{r^2+r1^2}}\,\Bigg(-r^2-r1^2+$$

$$r^2\,\sqrt{\frac{r^2+r1^2-2\, r\, r1\, \text{Cos}[\theta 2]}{r^2+r1^2}}+r1^2\,\sqrt{\frac{r^2+r1^2-2\, r\, r1\, \text{Cos}[\theta 2]}{r^2+r1^2}}\Bigg)$$

$$\text{Cos}[\lambda 1]\,(-1+2\,\text{Cos}[2\,\lambda 1])\Bigg)\Big/\left(r\, r1\, \sqrt{r^2+r1^2-2\, r\, r1\, \text{Cos}[\theta 2]}\right)+$$

$$\frac{1}{2\, r\, r1}\Bigg(\Bigg(2\,\left(r^2-2\, r\, r1+r1^2\right)\,\sqrt{\frac{r^2+r1^2-2\, r\, r1\, \text{Cos}[\theta 2]}{r^2-2\, r\, r1+r1^2}}\,\text{EllipticE}\Big[$$

$$\frac{\theta 2}{2},-\frac{4\, r\, r1}{r^2-2\, r\, r1+r1^2}\Big]\Bigg)\Big/\left(\sqrt{r^2+r1^2-2\, r\, r1\, \text{Cos}[\theta 2]}\right)-$$

$$\Bigg(2\,\left(r^2+r1^2\right)\,\sqrt{\frac{r^2+r1^2-2\, r\, r1\, \text{Cos}[\theta 2]}{r^2-2\, r\, r1+r1^2}}\,\text{EllipticF}\Big[$$

$$\frac{\theta 2}{2},-\frac{4\, r\, r1}{r^2-2\, r\, r1+r1^2}\Big]\Bigg)\Big/$$

$$\left(\sqrt{r^2+r1^2-2\, r\, r1\, \text{Cos}[\theta 2]}\right)\Bigg)\,\text{Sin}[3\,\lambda 1]\Bigg)\Bigg)+$$

$$\frac{1}{r^2-r2^2}\,32\, r^2\, r2\,\Bigg(-\Bigg((1+2\,\text{Cos}[2\,\lambda])\,\text{Sin}[\lambda]\,\Bigg(-\frac{1}{2\, r\, r2}\,\text{Cos}[3\,\lambda 1]$$

$$\Bigg(\Bigg(2\,\left(r^2-2\, r\, r2+r2^2\right)\,\sqrt{\frac{r^2+r2^2-2\, r\, r2\, \text{Cos}[\theta 2]}{r^2-2\, r\, r2+r2^2}}\,\text{EllipticE}\Big[\frac{\theta 2}{2},$$

$$-\frac{4\, r\, r2}{r^2-2\, r\, r2+r2^2}\Big]\Bigg)\Big/\left(\sqrt{r^2+r2^2-2\, r\, r2\, \text{Cos}[\theta 2]}\right)-$$

$$\Bigg(2\,\left(r^2+r2^2\right)\,\sqrt{\frac{r^2+r2^2-2\, r\, r2\, \text{Cos}[\theta 2]}{r^2-2\, r\, r2+r2^2}}\,\text{EllipticF}\Big[$$

$$\frac{\theta 2}{2},-\frac{4\, r\, r2}{r^2-2\, r\, r2+r2^2}\Big]\Bigg)\Big/\left(\sqrt{r^2+r2^2-2\, r\, r2\, \text{Cos}[\theta 2]}\right)\Bigg)-$$

$$\left(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2+r2^2}}\left(-r^2-r2^2+r^2\right.\right.$$

$$\left.\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2+r2^2}}+r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2+r2^2}}\right)$$

$$\left.(1+2\,\mathrm{Cos}[2\,\lambda 1])\,\mathrm{Sin}[\lambda 1]\right)\Big/\left(r\,r2\,\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}\right)\Bigg)\Bigg)+$$

$$\mathrm{Cos}[\lambda]\,(-1+2\,\mathrm{Cos}[2\,\lambda])\,\left(\left(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2+r2^2}}\left(-r^2-r2^2+\right.\right.\right.$$

$$\left.r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2+r2^2}}+r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2+r2^2}}\right)$$

$$\left.\mathrm{Cos}[\lambda 1]\,(-1+2\,\mathrm{Cos}[2\,\lambda 1])\right)\Big/\left(r\,r2\,\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}\right)-$$

$$\frac{1}{2\,r\,r2}\left(\left(2\left(r^2-2\,r\,r2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r2+r2^2}}\,\mathrm{EllipticE}\Big[\right.\right.$$

$$\left.\frac{\theta 2}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}\right)-$$

$$\left(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r2+r2^2}}\,\mathrm{EllipticF}\Big[\right.$$

$$\left.\frac{\theta 2}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\right)\Big/$$

$$\left.\left.\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}\right)\right)\mathrm{Sin}[3\,\lambda 1]\right)\Bigg)-$$

$$\frac{1}{r^2-r2^2}\,12\,r2^3\left(-\left((1+2\,\mathrm{Cos}[2\,\lambda])\,\mathrm{Sin}[\lambda]\left(-\frac{1}{2\,r\,r2}\,\mathrm{Cos}[3\,\lambda 1]\right.\right.\right.$$

$$\left(\left(2\left(r^2-2\,r\,r2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r2+r2^2}}\,\mathrm{EllipticE}\Big[\frac{\theta 2}{2},\right.\right.$$

$$\left.-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}\right)-$$

$$\left(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticF}\left[\frac{\theta 2}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}\right)\Bigg)-$$

$$\left(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2+r2^2}}\left(-r^2-r2^2+r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2+r2^2}}+r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2+r2^2}}\right)\right.$$

$$\left.(1+2\,\mathrm{Cos}[2\,\lambda 1])\,\mathrm{Sin}[\lambda 1]\right)\Big/\left(r\,r2\,\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}\right)\Bigg)\Bigg)+$$

$$\mathrm{Cos}[\lambda]\,(-1+2\,\mathrm{Cos}[2\,\lambda])\left(\left(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2+r2^2}}\left(-r^2-r2^2+r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2+r2^2}}+r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2+r2^2}}\right)\right.\right.$$

$$\left.\mathrm{Cos}[\lambda 1]\,(-1+2\,\mathrm{Cos}[2\,\lambda 1])\right)\Big/\left(r\,r2\,\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}\right)-$$

$$\frac{1}{2\,r\,r2}\left(\left(2\left(r^2-2\,r\,r2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticE}\left[\frac{\theta 2}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}\right)-\right.$$

$$\left(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticF}\left[\frac{\theta 2}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Big/$$

$$\left.\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}\right)\right)\mathrm{Sin}[3\,\lambda 1]\Bigg)\Bigg)-$$

$$\frac{1}{r^2\left(r^2-r2^2\right)}\,8\,r2^5\left(-\left((1+2\,\mathrm{Cos}[2\,\lambda])\,\mathrm{Sin}[\lambda]\left(-\frac{1}{2\,r\,r2}\,\mathrm{Cos}[3\,\lambda 1]\right.\right.\right.$$

$$\left(\left(2\left(r^2-2\,r\,r2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta2]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticE}\left[\frac{\theta2}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta2]}\right)-\left(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta2]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticF}\left[\frac{\theta2}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta2]}\right)\right)-\left(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta2]}{r^2+r2^2}}\left(-r^2-r2^2+r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta2]}{r^2+r2^2}}+r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta2]}{r^2+r2^2}}\right)(1+2\,\mathrm{Cos}[2\,\lambda1])\,\mathrm{Sin}[\lambda1]\right)\Big/\left(r\,r2\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta2]}\right)\right)\Bigg)+$$

$$\mathrm{Cos}[\lambda]\,(-1+2\,\mathrm{Cos}[2\,\lambda])\left(\left(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta2]}{r^2+r2^2}}\left(-r^2-r2^2+r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta2]}{r^2+r2^2}}+r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta2]}{r^2+r2^2}}\right)\mathrm{Cos}[\lambda1]\,(-1+2\,\mathrm{Cos}[2\,\lambda1])\right)\Big/\left(r\,r2\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta2]}\right)-\frac{1}{2\,r\,r2}\left(\left(2\left(r^2-2\,r\,r2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta2]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticE}\left[\frac{\theta2}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta2]}\right)-\left(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta2]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticF}\left[\frac{\theta2}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Big/$$

$$\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}\right)\Bigg)\,\mathrm{Sin}[3\,\lambda 1]\Bigg)\Bigg)-$$

$$\frac{1}{r^2-r2^2}\,32\,r^2\,r2\,\Bigg((1+2\,\mathrm{Cos}[2\,\lambda])\,\mathrm{Sin}[\lambda]\,\Bigg(-\frac{1}{2\,r\,r2}\,\mathrm{Cos}[3\,\lambda 1]$$

$$\Bigg(\Bigg(2\left(r^2-2\,r\,r2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticE}\Big[\frac{\theta 2}{2},$$

$$-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\Bigg)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}\right)-$$

$$\Bigg(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticF}\Big[\frac{\theta 2}{2},$$

$$-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\Bigg)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}\right)\Bigg)+$$

$$\Bigg(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2+r2^2}}\;\Bigg(-r^2-r2^2+r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2+r2^2}}+$$

$$r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2+r2^2}}\Bigg)\,(1+2\,\mathrm{Cos}[2\,\lambda 1])$$

$$\mathrm{Sin}[\lambda 1]\Bigg)\Big/\left(r\,r2\,\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}\right)\Bigg)+$$

$$\mathrm{Cos}[\lambda]\,(-1+2\,\mathrm{Cos}[2\,\lambda])\,\Bigg(\Bigg(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2+r2^2}}\;\Bigg(-r^2-r2^2+$$

$$r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2+r2^2}}+r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2+r2^2}}\Bigg)$$

$$\mathrm{Cos}[\lambda 1]\,(-1+2\,\mathrm{Cos}[2\,\lambda 1])\Bigg)\Big/\left(r\,r2\,\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}\right)+$$

$$\frac{1}{2\,r\,r2}\,\Bigg(\Bigg(2\left(r^2-2\,r\,r2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticE}\Big[$$

$$\frac{\theta 2}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\Bigg)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}\right)-$$

$$\left(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticF}\Big[\frac{\theta 2}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}\right)\mathrm{Sin}[3\,\lambda 1]\Bigg)\Bigg)+$$

$$\frac{1}{r^2-r2^2}\,12\,r2^3\Bigg((1+2\,\mathrm{Cos}[2\,\lambda])\,\mathrm{Sin}[\lambda]\Bigg(-\frac{1}{2\,r\,r2}\,\mathrm{Cos}[3\,\lambda 1]$$

$$\Bigg(\Bigg(2\left(r^2-2\,r\,r2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticE}\Big[\frac{\theta 2}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\Bigg)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}\right)-$$

$$\left(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticF}\Big[\frac{\theta 2}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}\right)\Bigg)+$$

$$\Bigg(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2+r2^2}}\Bigg(-r^2-r2^2+r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2+r2^2}}+$$

$$r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2+r2^2}}\Bigg)(1+2\,\mathrm{Cos}[2\,\lambda 1])$$

$$\mathrm{Sin}[\lambda 1]\Bigg)\Big/\left(r\,r2\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}\right)\Bigg)+$$

$$\mathrm{Cos}[\lambda]\,(-1+2\,\mathrm{Cos}[2\,\lambda])\Bigg(\Bigg(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2+r2^2}}\Bigg(-r^2-r2^2+$$

$$r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2+r2^2}}+r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2+r2^2}}\Bigg)$$

$$\mathrm{Cos}[\lambda 1]\,(-1+2\,\mathrm{Cos}[2\,\lambda 1])\Bigg)\Big/\left(r\,r2\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}\right)+$$

$$\frac{1}{2\,r\,r2}\left(\left(2\left(r^2-2\,r\,r2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta2]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticE}\left[\frac{\theta2}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta2]}\right)-\left(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta2]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticF}\left[\frac{\theta2}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta2]}\right)\right)\mathrm{Sin}[3\,\lambda1]\right)\right)+$$

$$\frac{1}{r^2\left(r^2-r2^2\right)}\,8\,r2^5\left((1+2\,\mathrm{Cos}[2\,\lambda])\,\mathrm{Sin}[\lambda]\left(-\frac{1}{2\,r\,r2}\,\mathrm{Cos}[3\,\lambda1]\right.\right.$$

$$\left(\left(2\left(r^2-2\,r\,r2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta2]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticE}\left[\frac{\theta2}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta2]}\right)-\left(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta2]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticF}\left[\frac{\theta2}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta2]}\right)\right)+$$

$$\left(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta2]}{r^2+r2^2}}\left(-r^2-r2^2+r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta2]}{r^2+r2^2}}+r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta2]}{r^2+r2^2}}\right)(1+2\,\mathrm{Cos}[2\,\lambda1])\right.$$

$$\left.\mathrm{Sin}[\lambda1]\right)\Big/\left(r\,r2\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta2]}\right)\Bigg)+$$

$$\mathrm{Cos}[\lambda]\,(-1+2\,\mathrm{Cos}[2\,\lambda])\left(\left(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta2]}{r^2+r2^2}}\left(-r^2-r2^2+\right.\right.\right.$$

$$r^2 \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}{r^2 + r2^2}} + r2^2 \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}{r^2 + r2^2}}\Bigg)$$

$$\mathrm{Cos}[\lambda 1]\ (-1 + 2\, \mathrm{Cos}[2\, \lambda 1])\Bigg) \Big/ \left(r\, r2\, \sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}\right) +$$

$$\frac{1}{2\, r\, r2} \Bigg(\Bigg(2\, \left(r^2 - 2\, r\, r2 + r2^2\right) \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}{r^2 - 2\, r\, r2 + r2^2}}\ \mathrm{EllipticE}\Big[$$

$$\frac{\theta 2}{2}, -\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\Big]\Bigg) \Big/ \left(\sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}\right) -$$

$$\Bigg(2\, \left(r^2 + r2^2\right) \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}{r^2 - 2\, r\, r2 + r2^2}}\ \mathrm{EllipticF}\Big[$$

$$\frac{\theta 2}{2}, -\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\Big]\Bigg) \Big/$$

$$\left(\sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}\right)\Bigg)\ \mathrm{Sin}[3\, \lambda 1]\Bigg)\Bigg) +$$

$$\Bigg(64\, r\, r1^2 \sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 2]}{r^2 - 2\, r\, r1 + r1^2}}\ \mathrm{EllipticF}\Big[\frac{\theta 2}{2}, -\frac{4\, r\, r1}{r^2 - 2\, r\, r1 + r1^2}\Big]$$

$$\mathrm{Sin}[3\, \lambda - 3\, \lambda 2]\Bigg) \Big/$$

$$\left(\left(r^2 - r1^2\right) \sqrt{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 2]}\right) -$$

$$\Bigg(16\, r1^4 \sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 2]}{r^2 - 2\, r\, r1 + r1^2}}$$

$$\mathrm{EllipticF}\Big[\frac{\theta 2}{2},$$

$$-\frac{4\, r\, r1}{r^2 - 2\, r\, r1 + r1^2}\Big]\ \mathrm{Sin}[$$

$$3\, \lambda - 3\, \lambda 2]\Bigg) \Big/$$

$$\left(r\, \left(r^2 - r1^2\right) \sqrt{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 2]}\right) -$$

$$\Bigg(64\, r\, r2^2 \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}{r^2 - 2\, r\, r2 + r2^2}}$$

$$\text{EllipticF}\left[\frac{\theta 2}{2}, -\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\right] \text{Sin}[3\,\lambda - 3\,\lambda 2]\Bigg) \Big/ \left(\left(r^2 - r2^2\right) \sqrt{r^2 + r2^2 - 2\, r\, r2\, \text{Cos}[\theta 2]}\right) +$$

$$\Bigg(16\, r2^4 \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \text{Cos}[\theta 2]}{r^2 - 2\, r\, r2 + r2^2}}\, \text{EllipticF}\left[\frac{\theta 2}{2}, -\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\right] \text{Sin}[3\,\lambda - 3\,\lambda 2]\Bigg) \Big/ \left(r\left(r^2 - r2^2\right) \sqrt{r^2 + r2^2 - 2\, r\, r2\, \text{Cos}[\theta 2]}\right) +$$

$$\frac{48\, r1^4 \sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \text{Cos}[\theta 2]}{r^2 - 2\, r\, r1 + r1^2}}\, \text{EllipticF}\left[\frac{\theta 2}{2}, -\frac{4\, r\, r1}{r^2 - 2\, r\, r1 + r1^2}\right] \text{Sin}[\lambda - \lambda 2]}{r\left(r^2 - r1^2\right) \sqrt{r^2 + r1^2 - 2\, r\, r1\, \text{Cos}[\theta 2]}} -$$

$$\frac{48\, r2^4 \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \text{Cos}[\theta 2]}{r^2 - 2\, r\, r2 + r2^2}}\, \text{EllipticF}\left[\frac{\theta 2}{2}, -\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\right] \text{Sin}[\lambda - \lambda 2]}{r\left(r^2 - r2^2\right) \sqrt{r^2 + r2^2 - 2\, r\, r2\, \text{Cos}[\theta 2]}} -$$

$$\frac{1}{r^2 - r1^2}\, 12\, r1^3 \Bigg(-\text{Sin}[\lambda] \Bigg(-\frac{1}{2\, r\, r1} \text{Cos}[\lambda 2] \Bigg(\Bigg(2\left(r^2 - 2\, r\, r1 + r1^2\right) \sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \text{Cos}[\theta 2]}{r^2 - 2\, r\, r1 + r1^2}}\, \text{EllipticE}\left[\frac{\theta 2}{2}, -\frac{4\, r\, r1}{r^2 - 2\, r\, r1 + r1^2}\right]\Bigg) \Big/ \left(\sqrt{r^2 + r1^2 - 2\, r\, r1\, \text{Cos}[\theta 2]}\right) -$$

$$\Bigg(2\left(r^2 + r1^2\right) \sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \text{Cos}[\theta 2]}{r^2 - 2\, r\, r1 + r1^2}}\, \text{EllipticF}\left[\frac{\theta 2}{2},\right.$$

$$-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Big)\Big/\Big(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\Big)\Big)-$$

$$\Big(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}\Big(-r^2-r1^2+r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}+$$

$$r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}\Big)$$

$$\mathrm{Sin}[\lambda 2]\Big)\Big/\Big(r\,r1\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\Big)\Big)+$$

$$\mathrm{Cos}[\lambda]\Big(\Big(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}\Big(-r^2-r1^2+r^2$$

$$\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}+r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}\Big)$$

$$\mathrm{Cos}[\lambda 2]\Big)\Big/\Big(r\,r1\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\Big)-$$

$$\frac{1}{2\,r\,r1}\Big(\Big(2\,(r^2-2\,r\,r1+r1^2)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r1+r1^2}}\,\mathrm{EllipticE}\Big[$$

$$\frac{\theta 2}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Big)\Big/\Big(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\Big)-$$

$$\Big(2\,(r^2+r1^2)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r1+r1^2}}\,\mathrm{EllipticF}\Big[$$

$$\frac{\theta 2}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Big)\Big/$$

$$\Big(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\Big)\Big)\,\mathrm{Sin}[\lambda 2]\Big)\Big)+$$

$$\frac{1}{r^2\,(r^2-r1^2)}\,24\,r1^5\Big(-\mathrm{Sin}[\lambda]\Big(-\frac{1}{2\,r\,r1}\,\mathrm{Cos}[\lambda 2]\Big(\Big(2\,(r^2-2\,r\,r1+r1^2)$$

$$\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r1+r1^2}}\,\mathrm{EllipticE}\Big[\frac{\theta 2}{2},$$

$$-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Big)\Big/\Big(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\Big)-$$

$$\Big(2\,(r^2+r1^2)\,\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticF}\Big[\frac{\theta 2}{2},$$

$$-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Big)\Big/\Big(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\Big)\Big)-$$

$$\Big(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}\;\Big(-r^2-r1^2+r^2\,\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}+$$

$$r1^2\,\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}\Big)$$

$$\mathrm{Sin}[\lambda 2]\Big)\Big/\Big(r\,r1\,\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\Big)\Big)+$$

$$\mathrm{Cos}[\lambda]\,\Big(\Big(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}\;\Big(-r^2-r1^2+r^2$$

$$\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}+r1^2\,\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}\Big)$$

$$\mathrm{Cos}[\lambda 2]\Big)\Big/\Big(r\,r1\,\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\Big)-$$

$$\frac{1}{2\,r\,r1}\Big(\Big(2\,(r^2-2\,r\,r1+r1^2)\,\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticE}\Big[$$

$$\frac{\theta 2}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Big)\Big/\Big(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\Big)-$$

$$\Big(2\,(r^2+r1^2)\,\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticF}\Big[$$

$$\frac{\theta 2}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Big)\Big/$$

$$\Big(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\Big)\Big)\,\mathrm{Sin}[\lambda 2]\Big)\Big)+$$

$$\frac{1}{r^2 - r1^2}\, 12\, r1^3 \left(\mathrm{Sin}[\lambda] \left(-\frac{1}{2\, r\, r1}\, \mathrm{Cos}[\lambda 2] \left(\left(2\left(r^2 - 2\, r\, r1 + r1^2\right)\right.\right.\right.\right.$$

$$\sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 2]}{r^2 - 2\, r\, r1 + r1^2}}\ \mathrm{EllipticE}\left[\frac{\theta 2}{2},\right.$$

$$\left.\left.-\frac{4\, r\, r1}{r^2 - 2\, r\, r1 + r1^2}\right]\right) \Big/ \left(\sqrt{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 2]}\right) -$$

$$\left(2\left(r^2 + r1^2\right)\sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 2]}{r^2 - 2\, r\, r1 + r1^2}}\ \mathrm{EllipticF}\left[\frac{\theta 2}{2},\right.\right.$$

$$\left.\left.\left.-\frac{4\, r\, r1}{r^2 - 2\, r\, r1 + r1^2}\right]\right) \Big/ \left(\sqrt{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 2]}\right)\right) +$$

$$\left(\sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 2]}{r^2 + r1^2}}\left(-r^2 - r1^2 + r^2\sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 2]}{r^2 + r1^2}} +\right.\right.$$

$$\left.r1^2\sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 2]}{r^2 + r1^2}}\right)$$

$$\left.\mathrm{Sin}[\lambda 2]\right) \Big/ \left(r\, r1\sqrt{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 2]}\right)\Bigg) +$$

$$\mathrm{Cos}[\lambda] \left(\left(\sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 2]}{r^2 + r1^2}}\left(-r^2 - r1^2 + r^2\right.\right.\right.$$

$$\left.\left.\sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 2]}{r^2 + r1^2}} + r1^2\sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 2]}{r^2 + r1^2}}\right)$$

$$\left.\mathrm{Cos}[\lambda 2]\right) \Big/ \left(r\, r1\sqrt{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 2]}\right) +$$

$$\frac{1}{2\, r\, r1}\left(\left(2\left(r^2 - 2\, r\, r1 + r1^2\right)\sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 2]}{r^2 - 2\, r\, r1 + r1^2}}\ \mathrm{EllipticE}\left[\right.\right.\right.$$

$$\left.\left.\frac{\theta 2}{2}, -\frac{4\, r\, r1}{r^2 - 2\, r\, r1 + r1^2}\right]\right) \Big/ \left(\sqrt{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 2]}\right) -$$

$$\left(2\left(r^2 + r1^2\right)\sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 2]}{r^2 - 2\, r\, r1 + r1^2}}\ \mathrm{EllipticF}\left[\right.\right.$$

$$\frac{\theta 2}{2}, -\frac{4\, r\, r1}{r^2 - 2\, r\, r1 + r1^2}\Big]\Big) \Big/$$

$$\left(\sqrt{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 2]}\right)\Big) \mathrm{Sin}[\lambda 2]\Big)\Big) -$$

$$\frac{1}{r^2\left(r^2 - r1^2\right)} 24\, r1^5 \Big(\mathrm{Sin}[\lambda] \Big(-\frac{1}{2\, r\, r1} \mathrm{Cos}[\lambda 2] \Big(\Big(2\left(r^2 - 2\, r\, r1 + r1^2\right)$$

$$\sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 2]}{r^2 - 2\, r\, r1 + r1^2}}\ \mathrm{EllipticE}\Big[\frac{\theta 2}{2},$$

$$-\frac{4\, r\, r1}{r^2 - 2\, r\, r1 + r1^2}\Big]\Big) \Big/ \left(\sqrt{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 2]}\right) -$$

$$\Big(2\left(r^2 + r1^2\right) \sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 2]}{r^2 - 2\, r\, r1 + r1^2}}\ \mathrm{EllipticF}\Big[\frac{\theta 2}{2},$$

$$-\frac{4\, r\, r1}{r^2 - 2\, r\, r1 + r1^2}\Big]\Big) \Big/ \left(\sqrt{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 2]}\right)\Big) +$$

$$\Big(\sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 2]}{r^2 + r1^2}} \Big(-r^2 - r1^2 + r^2 \sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 2]}{r^2 + r1^2}} +$$

$$r1^2 \sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 2]}{r^2 + r1^2}}\Big)$$

$$\mathrm{Sin}[\lambda 2]\Big) \Big/ \left(r\, r1 \sqrt{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 2]}\right)\Big) +$$

$$\mathrm{Cos}[\lambda] \Big(\Big(\sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 2]}{r^2 + r1^2}} \Big(-r^2 - r1^2 + r^2$$

$$\sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 2]}{r^2 + r1^2}} + r1^2 \sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 2]}{r^2 + r1^2}}\Big)$$

$$\mathrm{Cos}[\lambda 2]\Big) \Big/ \left(r\, r1 \sqrt{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 2]}\right) +$$

$$\frac{1}{2\, r\, r1} \Big(\Big(2\left(r^2 - 2\, r\, r1 + r1^2\right) \sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 2]}{r^2 - 2\, r\, r1 + r1^2}}\ \mathrm{EllipticE}\Big[$$

$$\frac{\theta 2}{2}, -\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Big)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\right)-$$

$$\left(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticF}\Big[\right.$$

$$\left.\frac{\theta 2}{2}, -\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\right)\Big/$$

$$\left.\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\right)\right)\mathrm{Sin}[\lambda 2]\Big)\Big)+$$

$$\frac{1}{r^2-r2^2}\,12\,r2^3\left(-\mathrm{Sin}[\lambda]\left(-\frac{1}{2\,r\,r2}\,\mathrm{Cos}[\lambda 2]\left(\left(2\left(r^2-2\,r\,r2+r2^2\right)\right.\right.\right.\right.$$

$$\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticE}\Big[\frac{\theta 2}{2},$$

$$-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\Big)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}\right)-$$

$$\left(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticF}\Big[\frac{\theta 2}{2},\right.$$

$$\left.-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}\right)\Big)-$$

$$\left(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2+r2^2}}\left(-r^2-r2^2+r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2+r2^2}}+\right.\right.$$

$$\left.r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2+r2^2}}\right)$$

$$\mathrm{Sin}[\lambda 2]\Big)\Big/\left(r\,r2\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}\right)\Big)+$$

$$\mathrm{Cos}[\lambda]\left(\left(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2+r2^2}}\left(-r^2-r2^2+r^2\right.\right.\right.$$

$$\left.\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2+r2^2}}+r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2+r2^2}}\right)$$

$$\text{Cos}[\lambda 2]\Big)\Big/\left(r\,r2\,\sqrt{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 2]}\right)-$$

$$\frac{1}{2\,r\,r2}\left(\left(2\left(r^2-2\,r\,r2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 2]}{r^2-2\,r\,r2+r2^2}}\;\text{EllipticE}\Big[\right.\right.$$

$$\left.\frac{\theta 2}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 2]}\right)-$$

$$\left(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 2]}{r^2-2\,r\,r2+r2^2}}\;\text{EllipticF}\Big[\right.$$

$$\left.\frac{\theta 2}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\right)\Big/$$

$$\left.\left.\left(\sqrt{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 2]}\right)\right)\text{Sin}[\lambda 2]\right)\right)-$$

$$\frac{1}{r^2\left(r^2-r2^2\right)}\,24\,r2^5\left(-\text{Sin}[\lambda]\left(-\frac{1}{2\,r\,r2}\,\text{Cos}[\lambda 2]\left(\left(2\left(r^2-2\,r\,r2+r2^2\right)\right.\right.\right.\right.$$

$$\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 2]}{r^2-2\,r\,r2+r2^2}}\;\text{EllipticE}\Big[\frac{\theta 2}{2},$$

$$-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\Big)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 2]}\right)-$$

$$\left(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 2]}{r^2-2\,r\,r2+r2^2}}\;\text{EllipticF}\Big[\frac{\theta 2}{2},\right.$$

$$\left.-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 2]}\right)\Big)-$$

$$\left(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 2]}{r^2+r2^2}}\left(-r^2-r2^2+r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 2]}{r^2+r2^2}}+\right.\right.$$

$$\left.r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 2]}{r^2+r2^2}}\right)$$

$$\text{Sin}[\lambda 2]\Big)\Big/\left(r\,r2\,\sqrt{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 2]}\right)\Big)+$$

$$\text{Cos}[\lambda]\left(\left(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 2]}{r^2+r2^2}}\left(-r^2-r2^2+r^2\right.\right.\right.$$

$$\left.\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 2]}{r^2+r2^2}}+r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 2]}{r^2+r2^2}}\right)$$

$$\left.\text{Cos}[\lambda 2]\right)\Big/\left(r\,r2\,\sqrt{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 2]}\right)-$$

$$\frac{1}{2\,r\,r2}\left(\left(2\left(r^2-2\,r\,r2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 2]}{r^2-2\,r\,r2+r2^2}}\,\text{EllipticE}\Big[\right.\right.$$

$$\left.\frac{\theta 2}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 2]}\right)-$$

$$\left(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 2]}{r^2-2\,r\,r2+r2^2}}\,\text{EllipticF}\Big[\right.$$

$$\left.\frac{\theta 2}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\right)\Big/$$

$$\left.\left.\left(\sqrt{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 2]}\right)\right)\text{Sin}[\lambda 2]\right)\right)-$$

$$\frac{1}{r^2-r2^2}\,12\,r2^3\left(\text{Sin}[\lambda]\left(-\frac{1}{2\,r\,r2}\,\text{Cos}[\lambda 2]\left(\left(2\left(r^2-2\,r\,r2+r2^2\right)\right.\right.\right.\right.$$

$$\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 2]}{r^2-2\,r\,r2+r2^2}}\,\text{EllipticE}\Big[\frac{\theta 2}{2},$$

$$\left.-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 2]}\right)-$$

$$\left(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 2]}{r^2-2\,r\,r2+r2^2}}\,\text{EllipticF}\Big[\frac{\theta 2}{2},\right.$$

$$\left.\left.-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 2]}\right)\right)+$$

$$\left(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 2]}{r^2+r2^2}}\left(-r^2-r2^2+r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 2]}{r^2+r2^2}}+\right.\right.$$

$$r2^2 \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}{r^2 + r2^2}}\Bigg)$$

$$\mathrm{Sin}[\lambda 2]\Bigg) \Big/ \left(r\, r2\, \sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}\right)\Bigg) +$$

$$\mathrm{Cos}[\lambda] \Bigg(\Bigg(\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}{r^2 + r2^2}} \Bigg(-r^2 - r2^2 + r^2$$

$$\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}{r^2 + r2^2}} + r2^2 \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}{r^2 + r2^2}}\Bigg)$$

$$\mathrm{Cos}[\lambda 2]\Bigg) \Big/ \left(r\, r2\, \sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}\right) +$$

$$\frac{1}{2\, r\, r2} \Bigg(\Bigg(2 \left(r^2 - 2\, r\, r2 + r2^2\right) \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}{r^2 - 2\, r\, r2 + r2^2}}\ \mathrm{EllipticE}\Big[$$

$$\frac{\theta 2}{2}, -\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\Big]\Bigg) \Big/ \left(\sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}\right) -$$

$$\Bigg(2 \left(r^2 + r2^2\right) \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}{r^2 - 2\, r\, r2 + r2^2}}\ \mathrm{EllipticF}\Big[$$

$$\frac{\theta 2}{2}, -\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\Big]\Bigg) \Big/$$

$$\left(\sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}\right)\Bigg) \mathrm{Sin}[\lambda 2]\Bigg)\Bigg) +$$

$$\frac{1}{r^2 \left(r^2 - r2^2\right)}\ 24\, r2^5 \Bigg(\mathrm{Sin}[\lambda] \Bigg(-\frac{1}{2\, r\, r2}\ \mathrm{Cos}[\lambda 2] \Bigg(\Bigg(2 \left(r^2 - 2\, r\, r2 + r2^2\right)$$

$$\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}{r^2 - 2\, r\, r2 + r2^2}}\ \mathrm{EllipticE}\Big[\frac{\theta 2}{2},$$

$$-\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\Big]\Bigg) \Big/ \left(\sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}\right) -$$

$$\Bigg(2 \left(r^2 + r2^2\right) \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}{r^2 - 2\, r\, r2 + r2^2}}\ \mathrm{EllipticF}\Big[\frac{\theta 2}{2},$$

$$-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\Big)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta2]}\right)\Big)+$$

$$\Bigg(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta2]}{r^2+r2^2}}\left(-r^2-r2^2+r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta2]}{r^2+r2^2}}+\right.$$

$$\left.r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta2]}{r^2+r2^2}}\right)$$

$$\mathrm{Sin}[\lambda2]\Bigg)\Big/\left(r\,r2\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta2]}\right)\Bigg)+$$

$$\mathrm{Cos}[\lambda]\Bigg(\Bigg(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta2]}{r^2+r2^2}}\left(-r^2-r2^2+r^2\right.$$

$$\left.\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta2]}{r^2+r2^2}}+r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta2]}{r^2+r2^2}}\right)$$

$$\mathrm{Cos}[\lambda2]\Bigg)\Big/\left(r\,r2\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta2]}\right)+$$

$$\frac{1}{2\,r\,r2}\Bigg(\Bigg(2\left(r^2-2\,r\,r2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta2]}{r^2-2\,r\,r2+r2^2}}\,\mathrm{EllipticE}\Big[$$

$$\frac{\theta2}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\Bigg)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta2]}\right)-$$

$$\Bigg(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta2]}{r^2-2\,r\,r2+r2^2}}\,\mathrm{EllipticF}\Big[$$

$$\frac{\theta2}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\Bigg)\Big/$$

$$\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta2]}\right)\Bigg)\,\mathrm{Sin}[\lambda2]\Bigg)\Bigg)+$$

$$\frac{1}{r^2-r1^2}\,32\,r^2\,r1\Bigg(-\Bigg((1+2\,\mathrm{Cos}[2\,\lambda])\,\mathrm{Sin}[\lambda]\Bigg(-\frac{1}{2\,r\,r1}\,\mathrm{Cos}[3\,\lambda2]$$

$$\Bigg(\Bigg(2\left(r^2-2\,r\,r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta2]}{r^2-2\,r\,r1+r1^2}}\,\mathrm{EllipticE}\Big[\frac{\theta2}{2},$$

$$-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Big)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\right)-$$

$$\left(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticF}\Big[\right.$$

$$\left.\frac{\theta 2}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\right)\Bigg)-$$

$$\left(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}\left(-r^2-r1^2+r^2\right.\right.$$

$$\left.\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}+r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}\right)$$

$$\left.(1+2\,\mathrm{Cos}[2\,\lambda 2])\,\mathrm{Sin}[\lambda 2]\right)\Big/\left(r\,r1\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\right)\Bigg)\Bigg)+$$

$$\mathrm{Cos}[\lambda]\,(-1+2\,\mathrm{Cos}[2\,\lambda])\left(\left(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}\left(-r^2-r1^2+\right.\right.\right.$$

$$\left.r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}+r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}\right)$$

$$\left.\mathrm{Cos}[\lambda 2]\,(-1+2\,\mathrm{Cos}[2\,\lambda 2])\right)\Big/\left(r\,r1\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\right)-$$

$$\frac{1}{2\,r\,r1}\left(\left(2\left(r^2-2\,r\,r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticE}\Big[\right.\right.$$

$$\left.\frac{\theta 2}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\right)-$$

$$\left(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticF}\Big[\right.$$

$$\left.\frac{\theta 2}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\right)\Big/$$

$$\left.\left.\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\right)\mathrm{Sin}[3\,\lambda 2]\right)\right)-$$

$$\frac{1}{r^2 - r1^2}\, 12\, r1^3 \left(-\left((1 + 2\,\mathrm{Cos}[2\,\lambda])\,\mathrm{Sin}[\lambda]\left(-\frac{1}{2\,r\,r1}\,\mathrm{Cos}[3\,\lambda 2]\right.\right.\right.$$

$$\left(\left(2\left(r^2 - 2\,r\,r1 + r1^2\right)\sqrt{\frac{r^2 + r1^2 - 2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2 - 2\,r\,r1 + r1^2}}\;\mathrm{EllipticE}\left[\frac{\theta 2}{2},\right.\right.\right.$$

$$\left.\left.\left.-\frac{4\,r\,r1}{r^2 - 2\,r\,r1 + r1^2}\right]\right)\Big/\left(\sqrt{r^2 + r1^2 - 2\,r\,r1\,\mathrm{Cos}[\theta 2]}\right) -$$

$$\left(2\left(r^2 + r1^2\right)\sqrt{\frac{r^2 + r1^2 - 2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2 - 2\,r\,r1 + r1^2}}\;\mathrm{EllipticF}\left[\right.\right.$$

$$\left.\left.\left.\frac{\theta 2}{2},\, -\frac{4\,r\,r1}{r^2 - 2\,r\,r1 + r1^2}\right]\right)\Big/\left(\sqrt{r^2 + r1^2 - 2\,r\,r1\,\mathrm{Cos}[\theta 2]}\right)\right) -$$

$$\left(\sqrt{\frac{r^2 + r1^2 - 2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2 + r1^2}}\left(-r^2 - r1^2 + r^2\right.\right.$$

$$\left.\sqrt{\frac{r^2 + r1^2 - 2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2 + r1^2}} + r1^2\sqrt{\frac{r^2 + r1^2 - 2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2 + r1^2}}\right)$$

$$\left.\left.\left.(1 + 2\,\mathrm{Cos}[2\,\lambda 2])\,\mathrm{Sin}[\lambda 2]\right)\Big/\left(r\,r1\sqrt{r^2 + r1^2 - 2\,r\,r1\,\mathrm{Cos}[\theta 2]}\right)\right)\right) +$$

$$\mathrm{Cos}[\lambda]\,(-1 + 2\,\mathrm{Cos}[2\,\lambda])\left(\left(\sqrt{\frac{r^2 + r1^2 - 2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2 + r1^2}}\left(-r^2 - r1^2 +\right.\right.\right.$$

$$\left.r^2\sqrt{\frac{r^2 + r1^2 - 2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2 + r1^2}} + r1^2\sqrt{\frac{r^2 + r1^2 - 2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2 + r1^2}}\right)$$

$$\left.\mathrm{Cos}[\lambda 2]\,(-1 + 2\,\mathrm{Cos}[2\,\lambda 2])\right)\Big/\left(r\,r1\sqrt{r^2 + r1^2 - 2\,r\,r1\,\mathrm{Cos}[\theta 2]}\right) -$$

$$\frac{1}{2\,r\,r1}\left(\left(2\left(r^2 - 2\,r\,r1 + r1^2\right)\sqrt{\frac{r^2 + r1^2 - 2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2 - 2\,r\,r1 + r1^2}}\;\mathrm{EllipticE}\left[\right.\right.\right.$$

$$\left.\left.\left.\frac{\theta 2}{2},\, -\frac{4\,r\,r1}{r^2 - 2\,r\,r1 + r1^2}\right]\right)\Big/\left(\sqrt{r^2 + r1^2 - 2\,r\,r1\,\mathrm{Cos}[\theta 2]}\right) -$$

$$\left(2\left(r^2 + r1^2\right)\sqrt{\frac{r^2 + r1^2 - 2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2 - 2\,r\,r1 + r1^2}}\;\mathrm{EllipticF}\left[\right.\right.$$

$$\frac{\theta 2}{2}, -\frac{4\, r\, r1}{r^2 - 2\, r\, r1 + r1^2}\Big]\Big)\Big/$$

$$\left(\sqrt{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 2]}\right)\Big)\, \mathrm{Sin}[3\, \lambda 2]\Big)\Big) -$$

$$\frac{1}{r^2\left(r^2 - r1^2\right)}\, 8\, r1^5 \Bigg(-\Bigg((1 + 2\, \mathrm{Cos}[2\, \lambda])\, \mathrm{Sin}[\lambda]\, \Bigg(-\frac{1}{2\, r\, r1}\, \mathrm{Cos}[3\, \lambda 2]$$

$$\Bigg(\Bigg(2\left(r^2 - 2\, r\, r1 + r1^2\right)\sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 2]}{r^2 - 2\, r\, r1 + r1^2}}\, \mathrm{EllipticE}\Big[\frac{\theta 2}{2},$$

$$-\frac{4\, r\, r1}{r^2 - 2\, r\, r1 + r1^2}\Big]\Big)\Big/\left(\sqrt{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 2]}\right) -$$

$$\Bigg(2\left(r^2 + r1^2\right)\sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 2]}{r^2 - 2\, r\, r1 + r1^2}}\, \mathrm{EllipticF}\Big[$$

$$\frac{\theta 2}{2}, -\frac{4\, r\, r1}{r^2 - 2\, r\, r1 + r1^2}\Big]\Big)\Big/\left(\sqrt{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 2]}\right)\Bigg) -$$

$$\Bigg(\sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 2]}{r^2 + r1^2}}\, \Bigg(-r^2 - r1^2 + r^2$$

$$\sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 2]}{r^2 + r1^2}} + r1^2\sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 2]}{r^2 + r1^2}}\Bigg)$$

$$(1 + 2\, \mathrm{Cos}[2\, \lambda 2])\, \mathrm{Sin}[\lambda 2]\Bigg)\Big/\left(r\, r1\sqrt{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 2]}\right)\Bigg)\Bigg) +$$

$$\mathrm{Cos}[\lambda]\, (-1 + 2\, \mathrm{Cos}[2\, \lambda])\, \Bigg(\Bigg(\sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 2]}{r^2 + r1^2}}\, \Bigg(-r^2 - r1^2 +$$

$$r^2\sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 2]}{r^2 + r1^2}} + r1^2\sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 2]}{r^2 + r1^2}}\Bigg)$$

$$\mathrm{Cos}[\lambda 2]\, (-1 + 2\, \mathrm{Cos}[2\, \lambda 2])\Bigg)\Big/\left(r\, r1\sqrt{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 2]}\right) -$$

$$\frac{1}{2\, r\, r1}\Bigg(\Bigg(2\left(r^2 - 2\, r\, r1 + r1^2\right)\sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 2]}{r^2 - 2\, r\, r1 + r1^2}}\, \mathrm{EllipticE}\Big[$$

$$\frac{\theta 2}{2}, -\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Big)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\right)-$$

$$\left(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticF}\Big[\right.$$

$$\left.\frac{\theta 2}{2}, -\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\right)\Big/$$

$$\left.\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\right)\right)\mathrm{Sin}[3\,\lambda 2]\Big)\Big)-$$

$$\frac{1}{r^2-r1^2}\,32\,r^2\,r1\left((1+2\,\mathrm{Cos}[2\,\lambda])\,\mathrm{Sin}[\lambda]\left(-\frac{1}{2\,r\,r1}\,\mathrm{Cos}[3\,\lambda 2]\right.\right.$$

$$\left(\left(2\left(r^2-2\,r\,r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticE}\Big[\frac{\theta 2}{2},\right.\right.$$

$$\left.-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\right)-$$

$$\left(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticF}\Big[\frac{\theta 2}{2},\right.$$

$$\left.\left.-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\right)\right)+$$

$$\left(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}\left(-r^2-r1^2+r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}+\right.\right.$$

$$\left.r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}\right)(1+2\,\mathrm{Cos}[2\,\lambda 2])$$

$$\left.\mathrm{Sin}[\lambda 2]\right)\Big/\left(r\,r1\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\right)\Big)+$$

$$\mathrm{Cos}[\lambda]\,(-1+2\,\mathrm{Cos}[2\,\lambda])\left(\left(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}\left(-r^2-r1^2+\right.\right.\right.$$

$$\left.r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}+r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}\right)$$

$$\text{Cos}[\lambda 2]\ (-1+2\,\text{Cos}[2\,\lambda 2])\Big)\Big/\Big(r\ r1\ \sqrt{r^2+r1^2-2\ r\ r1\ \text{Cos}[\theta 2]}\Big)+$$

$$\frac{1}{2\ r\ r1}\Bigg(\Bigg(2\left(r^2-2\ r\ r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\ r\ r1\ \text{Cos}[\theta 2]}{r^2-2\ r\ r1+r1^2}}\ \text{EllipticE}\Big[$$

$$\frac{\theta 2}{2},-\frac{4\ r\ r1}{r^2-2\ r\ r1+r1^2}\Big]\Bigg)\Big/\Big(\sqrt{r^2+r1^2-2\ r\ r1\ \text{Cos}[\theta 2]}\Big)-$$

$$\Bigg(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\ r\ r1\ \text{Cos}[\theta 2]}{r^2-2\ r\ r1+r1^2}}\ \text{EllipticF}\Big[$$

$$\frac{\theta 2}{2},-\frac{4\ r\ r1}{r^2-2\ r\ r1+r1^2}\Big]\Bigg)\Big/$$

$$\Big(\sqrt{r^2+r1^2-2\ r\ r1\ \text{Cos}[\theta 2]}\Big)\Bigg)\ \text{Sin}[3\,\lambda 2]\Bigg)\Bigg)+$$

$$\frac{1}{r^2-r1^2}\ 12\ r1^3\Bigg((1+2\,\text{Cos}[2\,\lambda])\ \text{Sin}[\lambda]\ \Bigg(-\frac{1}{2\ r\ r1}\ \text{Cos}[3\,\lambda 2]$$

$$\Bigg(\Bigg(2\left(r^2-2\ r\ r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\ r\ r1\ \text{Cos}[\theta 2]}{r^2-2\ r\ r1+r1^2}}\ \text{EllipticE}\Big[\frac{\theta 2}{2},$$

$$-\frac{4\ r\ r1}{r^2-2\ r\ r1+r1^2}\Big]\Bigg)\Big/\Big(\sqrt{r^2+r1^2-2\ r\ r1\ \text{Cos}[\theta 2]}\Big)-$$

$$\Bigg(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\ r\ r1\ \text{Cos}[\theta 2]}{r^2-2\ r\ r1+r1^2}}\ \text{EllipticF}\Big[\frac{\theta 2}{2},$$

$$-\frac{4\ r\ r1}{r^2-2\ r\ r1+r1^2}\Big]\Bigg)\Big/\Big(\sqrt{r^2+r1^2-2\ r\ r1\ \text{Cos}[\theta 2]}\Big)\Bigg)+$$

$$\Bigg(\sqrt{\frac{r^2+r1^2-2\ r\ r1\ \text{Cos}[\theta 2]}{r^2+r1^2}}\ \Bigg(-r^2-r1^2+r^2\sqrt{\frac{r^2+r1^2-2\ r\ r1\ \text{Cos}[\theta 2]}{r^2+r1^2}}+$$

$$r1^2\sqrt{\frac{r^2+r1^2-2\ r\ r1\ \text{Cos}[\theta 2]}{r^2+r1^2}}\Bigg)\ (1+2\,\text{Cos}[2\,\lambda 2])$$

$$\text{Sin}[\lambda 2]\Bigg)\Big/\Big(r\ r1\ \sqrt{r^2+r1^2-2\ r\ r1\ \text{Cos}[\theta 2]}\Big)\Bigg)+$$

$$\mathrm{Cos}[\lambda]\ (-1+2\,\mathrm{Cos}[2\,\lambda])\ \Bigg(\Bigg(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}\ \Bigg(-r^2-r1^2+$$

$$r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}+r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}\Bigg)$$

$$\mathrm{Cos}[\lambda 2]\ (-1+2\,\mathrm{Cos}[2\,\lambda 2])\Bigg)\Big/\left(r\,r1\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\right)+$$

$$\frac{1}{2\,r\,r1}\Bigg(\Bigg(2\left(r^2-2\,r\,r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r1+r1^2}}\ \mathrm{EllipticE}\Big[$$

$$\frac{\theta 2}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Bigg)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\right)-$$

$$\Bigg(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r1+r1^2}}\ \mathrm{EllipticF}\Big[$$

$$\frac{\theta 2}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Bigg)\Big/$$

$$\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\right)\Bigg)\ \mathrm{Sin}[3\,\lambda 2]\Bigg)\Bigg)+$$

$$\frac{1}{r^2\left(r^2-r1^2\right)}\ 8\,r1^5\Bigg((1+2\,\mathrm{Cos}[2\,\lambda])\ \mathrm{Sin}[\lambda]\ \Bigg(-\frac{1}{2\,r\,r1}\ \mathrm{Cos}[3\,\lambda 2]$$

$$\Bigg(\Bigg(2\left(r^2-2\,r\,r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r1+r1^2}}\ \mathrm{EllipticE}\Big[\frac{\theta 2}{2},$$

$$-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Bigg)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\right)-$$

$$\Bigg(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r1+r1^2}}\ \mathrm{EllipticF}\Big[\frac{\theta 2}{2},$$

$$-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Bigg)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\right)\Bigg)+$$

$$\Bigg(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}\ \Bigg(-r^2-r1^2+r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}+$$

$$r1^2 \sqrt{\frac{r^2 + r1^2 - 2\, r\, r1 \operatorname{Cos}[\theta 2]}{r^2 + r1^2}}\Bigg) (1 + 2 \operatorname{Cos}[2\, \lambda 2])$$

$$\operatorname{Sin}[\lambda 2]\Bigg) \Big/ \left(r\, r1 \sqrt{r^2 + r1^2 - 2\, r\, r1 \operatorname{Cos}[\theta 2]}\right)\Bigg) +$$

$$\operatorname{Cos}[\lambda]\, (-1 + 2 \operatorname{Cos}[2\, \lambda])\, \Bigg(\Bigg(\sqrt{\frac{r^2 + r1^2 - 2\, r\, r1 \operatorname{Cos}[\theta 2]}{r^2 + r1^2}}\, \Bigg(-r^2 - r1^2 +$$

$$r^2 \sqrt{\frac{r^2 + r1^2 - 2\, r\, r1 \operatorname{Cos}[\theta 2]}{r^2 + r1^2}} + r1^2 \sqrt{\frac{r^2 + r1^2 - 2\, r\, r1 \operatorname{Cos}[\theta 2]}{r^2 + r1^2}}\Bigg)$$

$$\operatorname{Cos}[\lambda 2]\, (-1 + 2 \operatorname{Cos}[2\, \lambda 2])\Bigg) \Big/ \left(r\, r1 \sqrt{r^2 + r1^2 - 2\, r\, r1 \operatorname{Cos}[\theta 2]}\right) +$$

$$\frac{1}{2\, r\, r1} \Bigg(\Bigg(2 \left(r^2 - 2\, r\, r1 + r1^2\right) \sqrt{\frac{r^2 + r1^2 - 2\, r\, r1 \operatorname{Cos}[\theta 2]}{r^2 - 2\, r\, r1 + r1^2}}\, \operatorname{EllipticE}\Big[$$

$$\frac{\theta 2}{2}, -\frac{4\, r\, r1}{r^2 - 2\, r\, r1 + r1^2}\Big]\Bigg) \Big/ \left(\sqrt{r^2 + r1^2 - 2\, r\, r1 \operatorname{Cos}[\theta 2]}\right) -$$

$$\Bigg(2 \left(r^2 + r1^2\right) \sqrt{\frac{r^2 + r1^2 - 2\, r\, r1 \operatorname{Cos}[\theta 2]}{r^2 - 2\, r\, r1 + r1^2}}\, \operatorname{EllipticF}\Big[$$

$$\frac{\theta 2}{2}, -\frac{4\, r\, r1}{r^2 - 2\, r\, r1 + r1^2}\Big]\Bigg) \Big/$$

$$\left(\sqrt{r^2 + r1^2 - 2\, r\, r1 \operatorname{Cos}[\theta 2]}\right)\Bigg) \operatorname{Sin}[3\, \lambda 2]\Bigg)\Bigg) -$$

$$\frac{1}{r^2 - r2^2}\, 32\, r^2\, r2 \Bigg(-\Bigg((1 + 2 \operatorname{Cos}[2\, \lambda])\, \operatorname{Sin}[\lambda] \Bigg(-\frac{1}{2\, r\, r2} \operatorname{Cos}[3\, \lambda 2]$$

$$\Bigg(\Bigg(2 \left(r^2 - 2\, r\, r2 + r2^2\right) \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2 \operatorname{Cos}[\theta 2]}{r^2 - 2\, r\, r2 + r2^2}}\, \operatorname{EllipticE}\Big[\frac{\theta 2}{2},$$

$$-\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\Big]\Bigg) \Big/ \left(\sqrt{r^2 + r2^2 - 2\, r\, r2 \operatorname{Cos}[\theta 2]}\right) -$$

$$\Bigg(2 \left(r^2 + r2^2\right) \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2 \operatorname{Cos}[\theta 2]}{r^2 - 2\, r\, r2 + r2^2}}\, \operatorname{EllipticF}\Big[$$

$$\frac{\theta 2}{2}, -\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\Big]\Big) \Big/ \left(\sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}\right)\Big) -$$

$$\left(\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}{r^2 + r2^2}}\left(-r^2 - r2^2 + r^2\right.\right.$$

$$\left.\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}{r^2 + r2^2}} + r2^2 \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}{r^2 + r2^2}}\right)$$

$$\left.(1 + 2\, \mathrm{Cos}[2\, \lambda 2])\, \mathrm{Sin}[\lambda 2]\right) \Big/ \left(r\, r2\, \sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}\right)\Big)\Big) +$$

$$\mathrm{Cos}[\lambda]\, (-1 + 2\, \mathrm{Cos}[2\, \lambda])\, \Big(\Big(\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}{r^2 + r2^2}}\left(-r^2 - r2^2 +\right.\right.$$

$$\left.r^2 \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}{r^2 + r2^2}} + r2^2 \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}{r^2 + r2^2}}\right)$$

$$\left.\mathrm{Cos}[\lambda 2]\, (-1 + 2\, \mathrm{Cos}[2\, \lambda 2])\right) \Big/ \left(r\, r2\, \sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}\right) -$$

$$\frac{1}{2\, r\, r2}\Big(\Big(2\left(r^2 - 2\, r\, r2 + r2^2\right) \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}{r^2 - 2\, r\, r2 + r2^2}}\, \mathrm{EllipticE}\Big[$$

$$\frac{\theta 2}{2}, -\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\Big]\Big) \Big/ \left(\sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}\right) -$$

$$\Big(2\left(r^2 + r2^2\right) \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}{r^2 - 2\, r\, r2 + r2^2}}\, \mathrm{EllipticF}\Big[$$

$$\frac{\theta 2}{2}, -\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\Big]\Big) \Big/$$

$$\left(\sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}\right)\Big)\, \mathrm{Sin}[3\, \lambda 2]\Big)\Big) +$$

$$\frac{1}{r^2 - r2^2}\, 12\, r2^3 \Big(-\Big((1 + 2\, \mathrm{Cos}[2\, \lambda])\, \mathrm{Sin}[\lambda]\, \Big(-\frac{1}{2\, r\, r2}\, \mathrm{Cos}[3\, \lambda 2]$$

$$\Big(\Big(2\left(r^2 - 2\, r\, r2 + r2^2\right) \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}{r^2 - 2\, r\, r2 + r2^2}}\, \mathrm{EllipticE}\Big[\frac{\theta 2}{2},$$

$$-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\Big)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta2]}\right)-$$

$$\left(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta2]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticF}\Big[\right.$$

$$\left.\frac{\theta2}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta2]}\right)\Bigg)-$$

$$\left(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta2]}{r^2+r2^2}}\left(-r^2-r2^2+r^2\right.\right.$$

$$\left.\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta2]}{r^2+r2^2}}+r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta2]}{r^2+r2^2}}\right)$$

$$\left.(1+2\,\mathrm{Cos}[2\,\lambda2])\,\mathrm{Sin}[\lambda2]\right)\Big/\left(r\,r2\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta2]}\right)\Bigg)\Bigg)+$$

$$\mathrm{Cos}[\lambda]\,(-1+2\,\mathrm{Cos}[2\,\lambda])\left(\left(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta2]}{r^2+r2^2}}\left(-r^2-r2^2+\right.\right.\right.$$

$$\left.r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta2]}{r^2+r2^2}}+r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta2]}{r^2+r2^2}}\right)$$

$$\left.\mathrm{Cos}[\lambda2]\,(-1+2\,\mathrm{Cos}[2\,\lambda2])\right)\Big/\left(r\,r2\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta2]}\right)-$$

$$\frac{1}{2\,r\,r2}\left(\left(2\left(r^2-2\,r\,r2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta2]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticE}\Big[\right.\right.$$

$$\left.\frac{\theta2}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta2]}\right)-$$

$$\left(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta2]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticF}\Big[\right.$$

$$\left.\frac{\theta2}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\right)\Big/$$

$$\left.\left.\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta2]}\right)\mathrm{Sin}[3\,\lambda2]\right)\right)+$$

$$\frac{1}{r^2\left(r^2-r2^2\right)}\,8\,r2^5\left(-\left((1+2\,\mathrm{Cos}[2\,\lambda])\,\mathrm{Sin}[\lambda]\left(-\frac{1}{2\,r\,r2}\,\mathrm{Cos}[3\,\lambda 2]\right.\right.\right.$$

$$\left(\left(2\left(r^2-2\,r\,r2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r2+r2^2}}\,\mathrm{EllipticE}\left[\frac{\theta 2}{2},\right.\right.\right.$$

$$\left.\left.-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}\right)-$$

$$\left(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r2+r2^2}}\,\mathrm{EllipticF}\left[\right.\right.$$

$$\left.\left.\frac{\theta 2}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}\right)\Bigg)-$$

$$\left(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2+r2^2}}\left(-r^2-r2^2+r^2\right.\right.$$

$$\left.\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2+r2^2}}+r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2+r2^2}}\right)$$

$$\left.(1+2\,\mathrm{Cos}[2\,\lambda 2])\,\mathrm{Sin}[\lambda 2]\right)\Big/\left(r\,r2\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}\right)\Bigg)\Bigg)+$$

$$\mathrm{Cos}[\lambda]\,(-1+2\,\mathrm{Cos}[2\,\lambda])\left(\left(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2+r2^2}}\left(-r^2-r2^2+\right.\right.\right.$$

$$\left.r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2+r2^2}}+r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2+r2^2}}\right)$$

$$\left.\mathrm{Cos}[\lambda 2]\,(-1+2\,\mathrm{Cos}[2\,\lambda 2])\right)\Big/\left(r\,r2\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}\right)-$$

$$\frac{1}{2\,r\,r2}\left(\left(2\left(r^2-2\,r\,r2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r2+r2^2}}\,\mathrm{EllipticE}\left[\right.\right.\right.$$

$$\left.\left.\frac{\theta 2}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}\right)-$$

$$\left(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r2+r2^2}}\,\mathrm{EllipticF}\left[\right.\right.$$

$$\frac{\theta 2}{2}, -\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\Big]\Big)\Big/$$

$$\left(\sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}\right)\Big)\, \mathrm{Sin}[3\, \lambda 2]\Big)\Big) +$$

$$\frac{1}{r^2 - r2^2}\, 32\, r^2\, r2 \Big((1 + 2\, \mathrm{Cos}[2\, \lambda])\, \mathrm{Sin}[\lambda] \Big(-\frac{1}{2\, r\, r2}\, \mathrm{Cos}[3\, \lambda 2]$$

$$\Big(\Big(2\, (r^2 - 2\, r\, r2 + r2^2)\, \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}{r^2 - 2\, r\, r2 + r2^2}}\, \mathrm{EllipticE}\Big[\frac{\theta 2}{2},$$

$$-\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\Big]\Big)\Big/\left(\sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}\right) -$$

$$\Big(2\, (r^2 + r2^2)\, \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}{r^2 - 2\, r\, r2 + r2^2}}\, \mathrm{EllipticF}\Big[\frac{\theta 2}{2},$$

$$-\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\Big]\Big)\Big/\left(\sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}\right)\Big) +$$

$$\Big(\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}{r^2 + r2^2}}\, \Big(-r^2 - r2^2 + r^2\, \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}{r^2 + r2^2}} +$$

$$r2^2\, \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}{r^2 + r2^2}}\Big)\, (1 + 2\, \mathrm{Cos}[2\, \lambda 2])$$

$$\mathrm{Sin}[\lambda 2]\Big)\Big/\left(r\, r2\, \sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}\right)\Big) +$$

$$\mathrm{Cos}[\lambda]\, (-1 + 2\, \mathrm{Cos}[2\, \lambda])\, \Big(\Big(\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}{r^2 + r2^2}}\, \Big(-r^2 - r2^2 +$$

$$r^2\, \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}{r^2 + r2^2}} + r2^2\, \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}{r^2 + r2^2}}\Big)$$

$$\mathrm{Cos}[\lambda 2]\, (-1 + 2\, \mathrm{Cos}[2\, \lambda 2])\Big)\Big/\left(r\, r2\, \sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}\right) +$$

$$\frac{1}{2\, r\, r2}\, \Big(\Big(2\, (r^2 - 2\, r\, r2 + r2^2)\, \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}{r^2 - 2\, r\, r2 + r2^2}}\, \mathrm{EllipticE}\Big[$$

$$\frac{\theta 2}{2}, -\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\Big]\Big) \Big/ \left(\sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}\right) -$$

$$\left(2\left(r^2 + r2^2\right)\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}{r^2 - 2\, r\, r2 + r2^2}}\ \mathrm{EllipticF}\Big[\right.$$

$$\left.\frac{\theta 2}{2}, -\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\Big]\right) \Big/$$

$$\left.\left(\sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}\right)\right) \mathrm{Sin}[3\, \lambda 2]\Bigg)\Bigg) -$$

$$\frac{1}{r^2 - r2^2}\, 12\, r2^3 \Bigg((1 + 2\, \mathrm{Cos}[2\, \lambda])\, \mathrm{Sin}[\lambda] \Bigg(-\frac{1}{2\, r\, r2}\, \mathrm{Cos}[3\, \lambda 2]$$

$$\Bigg(\Bigg(2\left(r^2 - 2\, r\, r2 + r2^2\right)\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}{r^2 - 2\, r\, r2 + r2^2}}\ \mathrm{EllipticE}\Big[\frac{\theta 2}{2},$$

$$-\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\Big]\Bigg) \Big/ \left(\sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}\right) -$$

$$\Bigg(2\left(r^2 + r2^2\right)\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}{r^2 - 2\, r\, r2 + r2^2}}\ \mathrm{EllipticF}\Big[\frac{\theta 2}{2},$$

$$-\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\Big]\Bigg) \Big/ \left(\sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}\right)\Bigg) +$$

$$\Bigg(\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}{r^2 + r2^2}}\ \Bigg(-r^2 - r2^2 + r^2\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}{r^2 + r2^2}} +$$

$$r2^2\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}{r^2 + r2^2}}\Bigg)\ (1 + 2\, \mathrm{Cos}[2\, \lambda 2])$$

$$\mathrm{Sin}[\lambda 2]\Bigg) \Big/ \left(r\, r2\sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}\right)\Bigg) +$$

$$\mathrm{Cos}[\lambda]\ (-1 + 2\, \mathrm{Cos}[2\, \lambda])\ \Bigg(\Bigg(\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}{r^2 + r2^2}}\ \Bigg(-r^2 - r2^2 +$$

$$r^2\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}{r^2 + r2^2}} + r2^2\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}{r^2 + r2^2}}\Bigg)$$

$$\text{Cos}[\lambda 2]\ (-1+2\,\text{Cos}[2\,\lambda 2])\Big)\Big/\left(r\ r2\ \sqrt{r^2+r2^2-2\ r\ r2\ \text{Cos}[\theta 2]}\right)+$$

$$\frac{1}{2\ r\ r2}\left(\left(2\left(r^2-2\ r\ r2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\ r\ r2\ \text{Cos}[\theta 2]}{r^2-2\ r\ r2+r2^2}}\ \text{EllipticE}\Big[\right.\right.$$

$$\frac{\theta 2}{2},-\frac{4\ r\ r2}{r^2-2\ r\ r2+r2^2}\Big]\Big)\Big/\left(\sqrt{r^2+r2^2-2\ r\ r2\ \text{Cos}[\theta 2]}\right)-$$

$$\left(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\ r\ r2\ \text{Cos}[\theta 2]}{r^2-2\ r\ r2+r2^2}}\ \text{EllipticF}\Big[\right.$$

$$\frac{\theta 2}{2},-\frac{4\ r\ r2}{r^2-2\ r\ r2+r2^2}\Big]\Big)\Big/$$

$$\left.\left.\left(\sqrt{r^2+r2^2-2\ r\ r2\ \text{Cos}[\theta 2]}\right)\right)\text{Sin}[3\,\lambda 2]\right)\right)-$$

$$\frac{1}{r^2\left(r^2-r2^2\right)}\ 8\ r2^5\left((1+2\,\text{Cos}[2\,\lambda])\ \text{Sin}[\lambda]\left(-\frac{1}{2\ r\ r2}\ \text{Cos}[3\,\lambda 2]\right.\right.$$

$$\left(\left(2\left(r^2-2\ r\ r2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\ r\ r2\ \text{Cos}[\theta 2]}{r^2-2\ r\ r2+r2^2}}\ \text{EllipticE}\Big[\frac{\theta 2}{2},\right.\right.$$

$$\left.-\frac{4\ r\ r2}{r^2-2\ r\ r2+r2^2}\Big]\right)\Big/\left(\sqrt{r^2+r2^2-2\ r\ r2\ \text{Cos}[\theta 2]}\right)-$$

$$\left(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\ r\ r2\ \text{Cos}[\theta 2]}{r^2-2\ r\ r2+r2^2}}\ \text{EllipticF}\Big[\frac{\theta 2}{2},\right.$$

$$\left.\left.-\frac{4\ r\ r2}{r^2-2\ r\ r2+r2^2}\Big]\right)\Big/\left(\sqrt{r^2+r2^2-2\ r\ r2\ \text{Cos}[\theta 2]}\right)\right)+$$

$$\left(\sqrt{\frac{r^2+r2^2-2\ r\ r2\ \text{Cos}[\theta 2]}{r^2+r2^2}}\left(-r^2-r2^2+r^2\sqrt{\frac{r^2+r2^2-2\ r\ r2\ \text{Cos}[\theta 2]}{r^2+r2^2}}+\right.\right.$$

$$\left.r2^2\sqrt{\frac{r^2+r2^2-2\ r\ r2\ \text{Cos}[\theta 2]}{r^2+r2^2}}\right)(1+2\,\text{Cos}[2\,\lambda 2])$$

$$\text{Sin}[\lambda 2]\Big)\Big/\left(r\ r2\ \sqrt{r^2+r2^2-2\ r\ r2\ \text{Cos}[\theta 2]}\right)\Big)+$$

$$\text{Cos}[\lambda]\ (-1+2\,\text{Cos}[2\,\lambda])\ \Bigg(\Bigg(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 2]}{r^2+r2^2}}\ \Bigg(-r^2-r2^2+$$

$$r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 2]}{r^2+r2^2}}+r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 2]}{r^2+r2^2}}\Bigg)$$

$$\text{Cos}[\lambda 2]\ (-1+2\,\text{Cos}[2\,\lambda 2])\Bigg)\Big/\left(r\,r2\,\sqrt{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 2]}\right)+$$

$$\frac{1}{2\,r\,r2}\Bigg(\Bigg(2\left(r^2-2\,r\,r2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 2]}{r^2-2\,r\,r2+r2^2}}\ \text{EllipticE}\Big[$$

$$\frac{\theta 2}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\Bigg)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 2]}\right)-$$

$$\Bigg(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 2]}{r^2-2\,r\,r2+r2^2}}\ \text{EllipticF}\Big[$$

$$\frac{\theta 2}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\Bigg)\Big/$$

$$\left(\sqrt{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 2]}\right)\Bigg)\ \text{Sin}[3\,\lambda 2]\Bigg)\Bigg)+$$

$$\sqrt{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 2]}\ \Bigg(-\Big(\Big(2\,\Big(-15\,r^2\,r1^3\,\text{Cos}[\theta 2+3\,\lambda-3\,\lambda 1]-$$

$$5\,r1^5\,\text{Cos}[\theta 2+3\,\lambda-3\,\lambda 1]-3\,r^2\,r1^3\,\text{Cos}[\theta 2+\lambda-\lambda 1]+$$
$$15\,r1^5\,\text{Cos}[\theta 2+\lambda-\lambda 1]+3\,r^2\,r1^3\,\text{Cos}[\theta 2-\lambda+\lambda 1]-$$
$$15\,r1^5\,\text{Cos}[\theta 2-\lambda+\lambda 1]+15\,r^2\,r1^3\,\text{Cos}[\theta 2-3\,\lambda+3\,\lambda 1]+$$
$$5\,r1^5\,\text{Cos}[\theta 2-3\,\lambda+3\,\lambda 1]+15\,r^2\,r1^3\,\text{Cos}[\theta 2+3\,\lambda-3\,\lambda 2]+$$
$$5\,r1^5\,\text{Cos}[\theta 2+3\,\lambda-3\,\lambda 2]+3\,r^2\,r1^3\,\text{Cos}[\theta 2+\lambda-\lambda 2]-15\,r1^5$$
$$\text{Cos}[\theta 2+\lambda-\lambda 2]-3\,r^2\,r1^3\,\text{Cos}[\theta 2-\lambda+\lambda 2]+15\,r1^5\,\text{Cos}[\theta 2-\lambda+\lambda 2]-$$
$$15\,r^2\,r1^3\,\text{Cos}[\theta 2-3\,\lambda+3\,\lambda 2]-5\,r1^5\,\text{Cos}[\theta 2-3\,\lambda+3\,\lambda 2]\Big)\Big)\Big/$$
$$\left(r^2\left(r^2-r1^2\right)\left(-r^2-r1^2+2\,r\,r1\,\text{Cos}[\theta 2]\right)\right)\Big)-$$

$$\frac{1}{r^2\left(-r^2-r1^2+2\,r\,r1\,\text{Cos}[\theta 2]\right)^2}\,2\,\Big(-r^2\,r1^3\,\text{Cos}[\theta 2+3\,\lambda-3\,\lambda 1]+$$

$$r1^5\,\text{Cos}[\theta 2+3\,\lambda-3\,\lambda 1]+3\,r^2\,r1^3\,\text{Cos}[\theta 2+\lambda-\lambda 1]-$$
$$3\,r1^5\,\text{Cos}[\theta 2+\lambda-\lambda 1]-3\,r^2\,r1^3\,\text{Cos}[\theta 2-\lambda+\lambda 1]+$$
$$3\,r1^5\,\text{Cos}[\theta 2-\lambda+\lambda 1]+r^2\,r1^3\,\text{Cos}[\theta 2-3\,\lambda+3\,\lambda 1]-$$
$$r1^5\,\text{Cos}[\theta 2-3\,\lambda+3\,\lambda 1]+r^2\,r1^3\,\text{Cos}[\theta 2+3\,\lambda-3\,\lambda 2]-$$
$$r1^5\,\text{Cos}[\theta 2+3\,\lambda-3\,\lambda 2]-3\,r^2\,r1^3\,\text{Cos}[\theta 2+\lambda-\lambda 2]+$$
$$3\,r1^5\,\text{Cos}[\theta 2+\lambda-\lambda 2]+3\,r^2\,r1^3\,\text{Cos}[\theta 2-\lambda+\lambda 2]-3\,r1^5\,\text{Cos}[\theta 2-\lambda+\lambda 2]-$$
$$r^2\,r1^3\,\text{Cos}[\theta 2-3\,\lambda+3\,\lambda 2]+r1^5\,\text{Cos}[\theta 2-3\,\lambda+3\,\lambda 2]\Big)+$$

$$\frac{1}{r^2 - r1^2} 32 \operatorname{Csc}[\theta 2] (-2\, r1 \operatorname{Sin}[3\lambda - 3\lambda 1] - r \operatorname{Sin}[\theta 2 + 3\lambda - 3\lambda 1] + r \operatorname{Sin}[\theta 2 - 3\lambda + 3\lambda 1] + 2\, r1 \operatorname{Sin}[3\lambda - 3\lambda 2] + r \operatorname{Sin}[\theta 2 + 3\lambda - 3\lambda 2] - r \operatorname{Sin}[\theta 2 - 3\lambda + 3\lambda 2])\Bigg) +$$

$$\sqrt{r^2 + r2^2 - 2\, r\, r2 \operatorname{Cos}[\theta 2]} \Bigg(\Big(2 \big(-15\, r^2\, r2^3 \operatorname{Cos}[\theta 2 + 3\lambda - 3\lambda 1] - 5\, r2^5 \operatorname{Cos}[\theta 2 + 3\lambda - 3\lambda 1] - 3\, r^2\, r2^3 \operatorname{Cos}[\theta 2 + \lambda - \lambda 1] + 15\, r2^5 \operatorname{Cos}[\theta 2 + \lambda - \lambda 1] + 3\, r^2\, r2^3 \operatorname{Cos}[\theta 2 - \lambda + \lambda 1] - 15\, r2^5 \operatorname{Cos}[\theta 2 - \lambda + \lambda 1] + 15\, r^2\, r2^3 \operatorname{Cos}[\theta 2 - 3\lambda + 3\lambda 1] + 5\, r2^5 \operatorname{Cos}[\theta 2 - 3\lambda + 3\lambda 1] + 15\, r^2\, r2^3 \operatorname{Cos}[\theta 2 + 3\lambda - 3\lambda 2] + 5\, r2^5 \operatorname{Cos}[\theta 2 + 3\lambda - 3\lambda 2] + 3\, r^2\, r2^3 \operatorname{Cos}[\theta 2 + \lambda - \lambda 2] - 15\, r2^5 \operatorname{Cos}[\theta 2 + \lambda - \lambda 2] - 3\, r^2\, r2^3 \operatorname{Cos}[\theta 2 - \lambda + \lambda 2] + 15\, r2^5 \operatorname{Cos}[\theta 2 - \lambda + \lambda 2] - 15\, r^2\, r2^3 \operatorname{Cos}[\theta 2 - 3\lambda + 3\lambda 2] - 5\, r2^5 \operatorname{Cos}[\theta 2 - 3\lambda + 3\lambda 2]\big)\Big) \Big/ \big(r^2 (r^2 - r2^2) (-r^2 - r2^2 + 2\, r\, r2 \operatorname{Cos}[\theta 2])\big) + \frac{1}{r^2 (-r^2 - r2^2 + 2\, r\, r2 \operatorname{Cos}[\theta 2])^2} 2 \big(-r^2\, r2^3 \operatorname{Cos}[\theta 2 + 3\lambda - 3\lambda 1] + r2^5 \operatorname{Cos}[\theta 2 + 3\lambda - 3\lambda 1] + 3\, r^2\, r2^3 \operatorname{Cos}[\theta 2 + \lambda - \lambda 1] - 3\, r2^5 \operatorname{Cos}[\theta 2 + \lambda - \lambda 1] - 3\, r^2\, r2^3 \operatorname{Cos}[\theta 2 - \lambda + \lambda 1] + 3\, r2^5 \operatorname{Cos}[\theta 2 - \lambda + \lambda 1] + r^2\, r2^3 \operatorname{Cos}[\theta 2 - 3\lambda + 3\lambda 1] - r2^5 \operatorname{Cos}[\theta 2 - 3\lambda + 3\lambda 1] + r^2\, r2^3 \operatorname{Cos}[\theta 2 + 3\lambda - 3\lambda 2] - r2^5 \operatorname{Cos}[\theta 2 + 3\lambda - 3\lambda 2] - 3\, r^2\, r2^3 \operatorname{Cos}[\theta 2 + \lambda - \lambda 2] + 3\, r2^5 \operatorname{Cos}[\theta 2 + \lambda - \lambda 2] + 3\, r^2\, r2^3 \operatorname{Cos}[\theta 2 - \lambda + \lambda 2] - 3\, r2^5 \operatorname{Cos}[\theta 2 - \lambda + \lambda 2] - r^2\, r2^3 \operatorname{Cos}[\theta 2 - 3\lambda + 3\lambda 2] + r2^5 \operatorname{Cos}[\theta 2 - 3\lambda + 3\lambda 2]\big) - \frac{1}{r^2 - r2^2} 32 \operatorname{Csc}[\theta 2] (-2\, r2 \operatorname{Sin}[3\lambda - 3\lambda 1] - r \operatorname{Sin}[\theta 2 + 3\lambda - 3\lambda 1] + r \operatorname{Sin}[\theta 2 - 3\lambda + 3\lambda 1] + 2\, r2 \operatorname{Sin}[3\lambda - 3\lambda 2] + r \operatorname{Sin}[\theta 2 + 3\lambda - 3\lambda 2] - r \operatorname{Sin}[\theta 2 - 3\lambda + 3\lambda 2])\Bigg)\Bigg)$$

In[ ]:=
```
VyyxSphericalZonalBand = Vyyx[0, 2 * Pi, θ1, θ2]
```

Out[ ]=
```
0
```

In[ ]:=
```
VyyxSphericalShell = Vyyx[0, 2 * Pi, 0, Pi]
```

Infinity : Indeterminate expression 0 ComplexInfinity encountered.

Infinity : Indeterminate expression 0 ComplexInfinity encountered.

Infinity : Indeterminate expression 0 ComplexInfinity encountered.

General : Further output of Infinity::indet will be suppressed during this calculation.

Out[ ]=
```
Indeterminate
```

In[ ]:=
```
NotebookSave[EvaluationNotebook[]];
```

5. Vyyy

In[ ]:=
$$\text{FullSimplify}\left[\int r3^2\,\text{Sin}[\theta 3]\left(\frac{15*(-r3\,\text{Sin}[\theta 3]\,\text{Sin}[\lambda-\lambda 3])^3}{\left(\sqrt{r^2+r3^2-2*r*r3*\text{Cos}[\theta 3]}\right)^7}-\frac{9*(-r3\,\text{Sin}[\theta 3]\,\text{Sin}[\lambda-\lambda 3])}{\left(\sqrt{r^2+r3^2-2*r*r3*\text{Cos}[\theta 3]}\right)^5}\right)d\lambda 3\right]$$

Out[ ]=
$$\left(9\,r3^3\left(8\,r^2+3\,r3^2-16\,r\,r3\,\text{Cos}[\theta 3]+5\,r3^2\,\text{Cos}[2\,\theta 3]\right)\text{Cos}[\lambda-\lambda 3]\,\text{Sin}[\theta 3]^2+10\,r3^5\,\text{Cos}[3\,(\lambda-\lambda 3)]\,\text{Sin}[\theta 3]^4\right)\Big/\left(8\left(r^2+r3^2-2\,r\,r3\,\text{Cos}[\theta 3]\right)^{7/2}\right)$$

In[ ]:=
$$\text{Vyyy}\lambda 3[\lambda 3_]:=\left(9\,r3^3\left(8\,r^2+3\,r3^2-16\,r\,r3\,\text{Cos}[\theta 3]+5\,r3^2\,\text{Cos}[2\,\theta 3]\right)\text{Cos}[\lambda-\lambda 3]\,\text{Sin}[\theta 3]^2+10\,r3^5\,\text{Cos}[3\,(\lambda-\lambda 3)]\,\text{Sin}[\theta 3]^4\right)\Big/\left(8\left(r^2+r3^2-2\,r\,r3\,\text{Cos}[\theta 3]\right)^{7/2}\right)$$

In[ ]:=
```
FullSimplify[Vyyyλ3[λ2] - Vyyyλ3[λ1]]
```

Out[ ]=
$$\left(-9\,r3^3\left(8\,r^2+3\,r3^2-16\,r\,r3\,\text{Cos}[\theta 3]+5\,r3^2\,\text{Cos}[2\,\theta 3]\right)\left(\text{Cos}[\lambda-\lambda 1]-\text{Cos}[\lambda-\lambda 2]\right)\text{Sin}[\theta 3]^2+10\,r3^5\left(-\text{Cos}[3\,(\lambda-\lambda 1)]+\text{Cos}[3\,(\lambda-\lambda 2)]\right)\text{Sin}[\theta 3]^4\right)\Big/\left(8\left(r^2+r3^2-2\,r\,r3\,\text{Cos}[\theta 3]\right)^{7/2}\right)$$

In[ ]:=
```
FullSimplify[
 ∫((-9 r3^3 (8 r^2 + 3 r3^2 - 16 r r3 Cos[θ3] + 5 r3^2 Cos[2 θ3]) (Cos[λ - λ1] - Cos[λ - λ2])
      Sin[θ3]^2 + 10 r3^5 (-Cos[3 (λ - λ1)] + Cos[3 (λ - λ2)]) Sin[θ3]^4) /
    (8 (r^2 + r3^2 - 2 r r3 Cos[θ3])^(7/2))) ⅆr3]
```

Out[ ]=

$$\frac{1}{96\, r\, \left(r^2+r3^2-2\, r\, r3\, \mathrm{Cos}[\theta 3]\right)^{5/2}}\mathrm{Sin}[\theta 3]^2 \Big(\mathrm{Cos}[\lambda]\Big(216\, r3^4\, (-r+r3\, \mathrm{Cos}[\theta 3])\, (\mathrm{Cos}[\lambda 1]-\mathrm{Cos}[\lambda 2])+\frac{1}{2}\Big(2\, r\, \left(8\, r^2+5\, r3^2\right)\left(8\, r^2+45\, r3^2\right)-10\, r3\, \left(64\, r^4+120\, r^2\, r3^2+15\, r3^4\right)\mathrm{Cos}[\theta 3]+40\, r\, r3^2\, \left(12\, r^2+5\, r3^2\right)\mathrm{Cos}[2\, \theta 3]+r3^3\, \left(5\, \left(-16\, r^2+5\, r3^2\right)\mathrm{Cos}[3\, \theta 3]-10\, r\, r3\, \mathrm{Cos}[4\, \theta 3]-3\, r3^2\, \mathrm{Cos}[5\, \theta 3]\right)\Big)(-1+2\, \mathrm{Cos}[2\, \lambda])\, (\mathrm{Cos}[3\, \lambda 1]-\mathrm{Cos}[3\, \lambda 2])\, \mathrm{Csc}[\theta 3]^4\Big)+(-r+r3\, \mathrm{Cos}[\theta 3])\, \mathrm{Sin}[\lambda]\Big(216\, r3^4\, \mathrm{Sin}[\lambda 1]-\Big(64\, r^4+272\, r^2\, r3^2+89\, r3^4-16\, r\, r3\, \left(16\, r^2+17\, r3^2\right)\mathrm{Cos}[\theta 3]-28\, r3^2\, \left(-4\, r^2+r3^2\right)\mathrm{Cos}[2\, \theta 3]+16\, r\, r3^3\, \mathrm{Cos}[3\, \theta 3]+3\, r3^4\, \mathrm{Cos}[4\, \theta 3]\Big)(1+2\, \mathrm{Cos}[2\, \lambda])\, \mathrm{Csc}[\theta 3]^4\, \mathrm{Sin}[3\, \lambda 1]-216\, r3^4\, \mathrm{Sin}[\lambda 2]+\Big(64\, r^4+272\, r^2\, r3^2+89\, r3^4-16\, r\, r3\, \left(16\, r^2+17\, r3^2\right)\mathrm{Cos}[\theta 3]-28\, r3^2\, \left(-4\, r^2+r3^2\right)\mathrm{Cos}[2\, \theta 3]+16\, r\, r3^3\, \mathrm{Cos}[3\, \theta 3]+3\, r3^4\, \mathrm{Cos}[4\, \theta 3]\Big)(1+2\, \mathrm{Cos}[2\, \lambda])\, \mathrm{Csc}[\theta 3]^4\, \mathrm{Sin}[3\, \lambda 2]\Big)\Big)$$

In[ ]:=

$$\mathrm{Vyyyr3}[r3_] := \frac{1}{96\, r\, \left(r^2+r3^2-2\, r\, r3\, \mathrm{Cos}[\theta 3]\right)^{5/2}}\mathrm{Sin}[\theta 3]^2 \Big(\mathrm{Cos}[\lambda]\Big(216\, r3^4\, (-r+r3\, \mathrm{Cos}[\theta 3])\, (\mathrm{Cos}[\lambda 1]-\mathrm{Cos}[\lambda 2])+\frac{1}{2}\Big(2\, r\, \left(8\, r^2+5\, r3^2\right)\left(8\, r^2+45\, r3^2\right)-10\, r3\, \left(64\, r^4+120\, r^2\, r3^2+15\, r3^4\right)\mathrm{Cos}[\theta 3]+40\, r\, r3^2\, \left(12\, r^2+5\, r3^2\right)\mathrm{Cos}[2\, \theta 3]+r3^3\, \left(5\, \left(-16\, r^2+5\, r3^2\right)\mathrm{Cos}[3\, \theta 3]-10\, r\, r3\, \mathrm{Cos}[4\, \theta 3]-3\, r3^2\, \mathrm{Cos}[5\, \theta 3]\right)\Big)(-1+2\, \mathrm{Cos}[2\, \lambda])\, (\mathrm{Cos}[3\, \lambda 1]-\mathrm{Cos}[3\, \lambda 2])\, \mathrm{Csc}[\theta 3]^4\Big)+(-r+r3\, \mathrm{Cos}[\theta 3])\, \mathrm{Sin}[\lambda]\Big(216\, r3^4\, \mathrm{Sin}[\lambda 1]-\Big(64\, r^4+272\, r^2\, r3^2+89\, r3^4-16\, r\, r3\, \left(16\, r^2+17\, r3^2\right)\mathrm{Cos}[\theta 3]-28\, r3^2\, \left(-4\, r^2+r3^2\right)\mathrm{Cos}[2\, \theta 3]+16\, r\, r3^3\, \mathrm{Cos}[3\, \theta 3]+3\, r3^4\, \mathrm{Cos}[4\, \theta 3]\Big)(1+2\, \mathrm{Cos}[2\, \lambda])\, \mathrm{Csc}[\theta 3]^4\, \mathrm{Sin}[3\, \lambda 1]-216\, r3^4\, \mathrm{Sin}[\lambda 2]+\Big(64\, r^4+272\, r^2\, r3^2+89\, r3^4-16\, r\, r3\, \left(16\, r^2+17\, r3^2\right)\mathrm{Cos}[\theta 3]-28\, r3^2\, \left(-4\, r^2+r3^2\right)\mathrm{Cos}[2\, \theta 3]+16\, r\, r3^3\, \mathrm{Cos}[3\, \theta 3]+3\, r3^4\, \mathrm{Cos}[4\, \theta 3]\Big)(1+2\, \mathrm{Cos}[2\, \lambda])\, \mathrm{Csc}[\theta 3]^4\, \mathrm{Sin}[3\, \lambda 2]\Big)\Big)$$

In[ ]:=
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Simplify[Vyyyr3[r2] - Vyyyr3[r1]]
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Out[ ]=

$$\frac{1}{96\,r}\,\mathrm{Sin}[\theta 3]^2\Bigg(-\frac{1}{\left(r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]\right)^{5/2}}\Big(\mathrm{Cos}[\lambda]\Big(216\,r1^4\,(-r+r1\,\mathrm{Cos}[\theta 3])\,(\mathrm{Cos}[\lambda 1]-\mathrm{Cos}[\lambda 2])+\frac{1}{2}\Big(2\,r\,\left(8\,r^2+5\,r1^2\right)\left(8\,r^2+45\,r1^2\right)-10\,r1\,\left(64\,r^4+120\,r^2\,r1^2+15\,r1^4\right)\mathrm{Cos}[\theta 3]+40\,r\,r1^2\,\left(12\,r^2+5\,r1^2\right)\mathrm{Cos}[2\,\theta 3]+r1^3\,\left(\left(-80\,r^2+25\,r1^2\right)\mathrm{Cos}[3\,\theta 3]-r1\,(10\,r\,\mathrm{Cos}[4\,\theta 3]+3\,r1\,\mathrm{Cos}[5\,\theta 3])\right)\Big)\,(-1+2\,\mathrm{Cos}[2\,\lambda])\,(\mathrm{Cos}[3\,\lambda 1]-\mathrm{Cos}[3\,\lambda 2])\,\mathrm{Csc}[\theta 3]^4\Big)+(-r+r1\,\mathrm{Cos}[\theta 3])\,\mathrm{Sin}[\lambda]\,\Big(216\,r1^4\,\mathrm{Sin}[\lambda 1]-\left(64\,r^4+272\,r^2\,r1^2+89\,r1^4-16\,r\,r1\,\left(16\,r^2+17\,r1^2\right)\mathrm{Cos}[\theta 3]-28\,r1^2\,\left(-4\,r^2+r1^2\right)\mathrm{Cos}[2\,\theta 3]+16\,r\,r1^3\,\mathrm{Cos}[3\,\theta 3]+3\,r1^4\,\mathrm{Cos}[4\,\theta 3]\right)(1+2\,\mathrm{Cos}[2\,\lambda])\,\mathrm{Csc}[\theta 3]^4\,\mathrm{Sin}[3\,\lambda 1]-216\,r1^4\,\mathrm{Sin}[\lambda 2]+\left(64\,r^4+272\,r^2\,r1^2+89\,r1^4-16\,r\,r1\,\left(16\,r^2+17\,r1^2\right)\mathrm{Cos}[\theta 3]-28\,r1^2\,\left(-4\,r^2+r1^2\right)\mathrm{Cos}[2\,\theta 3]+16\,r\,r1^3\,\mathrm{Cos}[3\,\theta 3]+3\,r1^4\,\mathrm{Cos}[4\,\theta 3]\right)(1+2\,\mathrm{Cos}[2\,\lambda])\,\mathrm{Csc}[\theta 3]^4\,\mathrm{Sin}[3\,\lambda 2]\Big)\Big)+\frac{1}{\left(r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]\right)^{5/2}}\Big(\mathrm{Cos}[\lambda]\Big(216\,r2^4\,(-r+r2\,\mathrm{Cos}[\theta 3])\,(\mathrm{Cos}[\lambda 1]-\mathrm{Cos}[\lambda 2])+\frac{1}{2}\Big(2\,r\,\left(8\,r^2+5\,r2^2\right)\left(8\,r^2+45\,r2^2\right)-10\,r2\,\left(64\,r^4+120\,r^2\,r2^2+15\,r2^4\right)\mathrm{Cos}[\theta 3]+40\,r\,r2^2\,\left(12\,r^2+5\,r2^2\right)\mathrm{Cos}[2\,\theta 3]+r2^3\,\left(\left(-80\,r^2+25\,r2^2\right)\mathrm{Cos}[3\,\theta 3]-r2\,(10\,r\,\mathrm{Cos}[4\,\theta 3]+3\,r2\,\mathrm{Cos}[5\,\theta 3])\right)\Big)\,(-1+2\,\mathrm{Cos}[2\,\lambda])\,(\mathrm{Cos}[3\,\lambda 1]-\mathrm{Cos}[3\,\lambda 2])\,\mathrm{Csc}[\theta 3]^4\Big)+(-r+r2\,\mathrm{Cos}[\theta 3])\,\mathrm{Sin}[\lambda]\,\Big(216\,r2^4\,\mathrm{Sin}[\lambda 1]-\left(64\,r^4+272\,r^2\,r2^2+89\,r2^4-16\,r\,r2\,\left(16\,r^2+17\,r2^2\right)\mathrm{Cos}[\theta 3]-28\,r2^2\,\left(-4\,r^2+r2^2\right)\mathrm{Cos}[2\,\theta 3]+16\,r\,r2^3\,\mathrm{Cos}[3\,\theta 3]+3\,r2^4\,\mathrm{Cos}[4\,\theta 3]\right)(1+2\,\mathrm{Cos}[2\,\lambda])\,\mathrm{Csc}[\theta 3]^4\,\mathrm{Sin}[3\,\lambda 1]-216\,r2^4\,\mathrm{Sin}[\lambda 2]+\left(64\,r^4+272\,r^2\,r2^2+89\,r2^4-16\,r\,r2\,\left(16\,r^2+17\,r2^2\right)\mathrm{Cos}[\theta 3]-28\,r2^2\,\left(-4\,r^2+r2^2\right)\mathrm{Cos}[2\,\theta 3]+16\,r\,r2^3\,\mathrm{Cos}[3\,\theta 3]+3\,r2^4\,\mathrm{Cos}[4\,\theta 3]\right)(1+2\,\mathrm{Cos}[2\,\lambda])\,\mathrm{Csc}[\theta 3]^4\,\mathrm{Sin}[3\,\lambda 2]\Big)\Big)\Bigg)$$

In[ ]:=
$$\int\Bigg(\frac{1}{96\,r}\,\mathrm{Sin}[\theta 3]^2\Bigg(-\frac{1}{\left(r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]\right)^{5/2}}\Big(\mathrm{Cos}[\lambda]\Big(216\,r1^4\,(-r+r1\,\mathrm{Cos}[\theta 3])\,(\mathrm{Cos}[\lambda 1]-\mathrm{Cos}[\lambda 2])+\frac{1}{2}\Big(2\,r\,\left(8\,r^2+5\,r1^2\right)\left(8\,r^2+45\,r1^2\right)-10\,r1\,\left(64\,r^4+120\,r^2\,r1^2+15\,r1^4\right)\mathrm{Cos}[\theta 3]+40\,r\,r1^2\,\left(12\,r^2+5\,r1^2\right)\mathrm{Cos}[2\,\theta 3]+r1^3\,\left(\left(-80\,r^2+25\,r1^2\right)\mathrm{Cos}[3\,\theta 3]-r1\,(10\,r\,\mathrm{Cos}[4\,\theta 3]+3\,r1\,\mathrm{Cos}[5\,\theta 3])\right)\Big)\,(-1+2\,\mathrm{Cos}[2\,\lambda])\,(\mathrm{Cos}[3\,\lambda 1]-\mathrm{Cos}[3\,\lambda 2])\,\mathrm{Csc}[\theta 3]^4\Big)+(-r+r1\,\mathrm{Cos}[\theta 3])\,\mathrm{Sin}[\lambda]\Big(216\,r1^4\,\mathrm{Sin}[\lambda 1]-\Big(64\,r^4+272\,r^2\,r1^2+89\,r1^4-16\,r\,r1\,\left(16\,r^2+17\,r1^2\right)\mathrm{Cos}[\theta 3]-28\,r1^2\,\left(-4\,r^2+r1^2\right)\mathrm{Cos}[2\,\theta 3]+16\,r\,r1^3\,\mathrm{Cos}[3\,\theta 3]+3\,r1^4\,\mathrm{Cos}[4\,\theta 3]\Big)\,(1+2\,\mathrm{Cos}[2\,\lambda])\,\mathrm{Csc}[\theta 3]^4\,\mathrm{Sin}[3\,\lambda 1]-216\,r1^4\,\mathrm{Sin}[\lambda 2]+\Big(64\,r^4+272\,r^2\,r1^2+89\,r1^4-16\,r\,r1\,\left(16\,r^2+17\,r1^2\right)\mathrm{Cos}[\theta 3]-28\,r1^2\,\left(-4\,r^2+r1^2\right)\mathrm{Cos}[2\,\theta 3]+16\,r\,r1^3\,\mathrm{Cos}[3\,\theta 3]+3\,r1^4\,\mathrm{Cos}[4\,\theta 3]\Big)\,(1+2\,\mathrm{Cos}[2\,\lambda])\,\mathrm{Csc}[\theta 3]^4\,\mathrm{Sin}[3\,\lambda 2]\Big)\Big)+\frac{1}{\left(r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]\right)^{5/2}}\Big(\mathrm{Cos}[\lambda]\Big(216\,r2^4\,(-r+r2\,\mathrm{Cos}[\theta 3])\,(\mathrm{Cos}[\lambda 1]-\mathrm{Cos}[\lambda 2])+\frac{1}{2}\Big(2\,r\,\left(8\,r^2+5\,r2^2\right)\left(8\,r^2+45\,r2^2\right)-10\,r2\,\left(64\,r^4+120\,r^2\,r2^2+15\,r2^4\right)\mathrm{Cos}[\theta 3]+40\,r\,r2^2\,\left(12\,r^2+5\,r2^2\right)\mathrm{Cos}[2\,\theta 3]+r2^3\,\left(\left(-80\,r^2+25\,r2^2\right)\mathrm{Cos}[3\,\theta 3]-r2\,(10\,r\,\mathrm{Cos}[4\,\theta 3]+3\,r2\,\mathrm{Cos}[5\,\theta 3])\right)\Big)\,(-1+2\,\mathrm{Cos}[2\,\lambda])\,(\mathrm{Cos}[3\,\lambda 1]-\mathrm{Cos}[3\,\lambda 2])\,\mathrm{Csc}[\theta 3]^4\Big)+(-r+r2\,\mathrm{Cos}[\theta 3])\,\mathrm{Sin}[\lambda]\Big(216\,r2^4\,\mathrm{Sin}[\lambda 1]-\Big(64\,r^4+272\,r^2\,r2^2+89\,r2^4-16\,r\,r2\,\left(16\,r^2+17\,r2^2\right)\mathrm{Cos}[\theta 3]-28\,r2^2\,\left(-4\,r^2+r2^2\right)\mathrm{Cos}[2\,\theta 3]+16\,r\,r2^3\,\mathrm{Cos}[3\,\theta 3]+3\,r2^4\,\mathrm{Cos}[4\,\theta 3]\Big)\,(1+2\,\mathrm{Cos}[2\,\lambda])\,\mathrm{Csc}[\theta 3]^4\,\mathrm{Sin}[3\,\lambda 2]\Big)\Big)\Bigg)\Bigg)\,d\theta 3$$

In[ ]:=
$$\mathrm{Vyyy}\theta 3[\theta 3_]:=\frac{1}{96\,r}\Bigg(\frac{64\,r\,r1^2\,\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r1+r1^2}}\,\mathrm{Cos}[3\,\lambda-3\,\lambda 1]\,\mathrm{EllipticF}\left[\frac{\theta 3}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]}{\left(r^2-r1^2\right)\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}}-\frac{16\,r1^4\,\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r1+r1^2}}\,\mathrm{Cos}[3\,\lambda-3\,\lambda 1]\,\mathrm{EllipticF}\left[\frac{\theta 3}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]}{r\,\left(r^2-r1^2\right)\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}}+$$

$$\frac{144\, r1^4 \sqrt{\frac{r^2+r1^2-2\, r\, r1\, \mathrm{Cos}[\theta 3]}{r^2-2\, r\, r1+r1^2}}\, \mathrm{Cos}[\lambda-\lambda 1]\, \mathrm{EllipticF}\left[\frac{\theta 3}{2}, -\frac{4\, r\, r1}{r^2-2\, r\, r1+r1^2}\right]}{r\left(r^2-r1^2\right)\sqrt{r^2+r1^2-2\, r\, r1\, \mathrm{Cos}[\theta 3]}} -$$

$$\left(64\, r\, r1^2 \sqrt{\frac{r^2+r1^2-2\, r\, r1\, \mathrm{Cos}[\theta 3]}{r^2-2\, r\, r1+r1^2}}\, \mathrm{Cos}[3\,\lambda-3\,\lambda 2]\right.$$

$$\left.\mathrm{EllipticF}\left[\frac{\theta 3}{2}, -\frac{4\, r\, r1}{r^2-2\, r\, r1+r1^2}\right]\right) \Big/ \left(\left(r^2-r1^2\right)\sqrt{r^2+r1^2-2\, r\, r1\, \mathrm{Cos}[\theta 3]}\right) +$$

$$\frac{16\, r1^4 \sqrt{\frac{r^2+r1^2-2\, r\, r1\, \mathrm{Cos}[\theta 3]}{r^2-2\, r\, r1+r1^2}}\, \mathrm{Cos}[3\,\lambda-3\,\lambda 2]\, \mathrm{EllipticF}\left[\frac{\theta 3}{2}, -\frac{4\, r\, r1}{r^2-2\, r\, r1+r1^2}\right]}{r\left(r^2-r1^2\right)\sqrt{r^2+r1^2-2\, r\, r1\, \mathrm{Cos}[\theta 3]}} -$$

$$\frac{144\, r1^4 \sqrt{\frac{r^2+r1^2-2\, r\, r1\, \mathrm{Cos}[\theta 3]}{r^2-2\, r\, r1+r1^2}}\, \mathrm{Cos}[\lambda-\lambda 2]\, \mathrm{EllipticF}\left[\frac{\theta 3}{2}, -\frac{4\, r\, r1}{r^2-2\, r\, r1+r1^2}\right]}{r\left(r^2-r1^2\right)\sqrt{r^2+r1^2-2\, r\, r1\, \mathrm{Cos}[\theta 3]}} -$$

$$\left(64\, r\, r2^2 \sqrt{\frac{r^2+r2^2-2\, r\, r2\, \mathrm{Cos}[\theta 3]}{r^2-2\, r\, r2+r2^2}}\, \mathrm{Cos}[3\,\lambda-3\,\lambda 1]\right.$$

$$\left.\mathrm{EllipticF}\left[\frac{\theta 3}{2}, -\frac{4\, r\, r2}{r^2-2\, r\, r2+r2^2}\right]\right) \Big/ \left(\left(r^2-r2^2\right)\sqrt{r^2+r2^2-2\, r\, r2\, \mathrm{Cos}[\theta 3]}\right) +$$

$$\frac{16\, r2^4 \sqrt{\frac{r^2+r2^2-2\, r\, r2\, \mathrm{Cos}[\theta 3]}{r^2-2\, r\, r2+r2^2}}\, \mathrm{Cos}[3\,\lambda-3\,\lambda 1]\, \mathrm{EllipticF}\left[\frac{\theta 3}{2}, -\frac{4\, r\, r2}{r^2-2\, r\, r2+r2^2}\right]}{r\left(r^2-r2^2\right)\sqrt{r^2+r2^2-2\, r\, r2\, \mathrm{Cos}[\theta 3]}} -$$

$$\frac{144\, r2^4 \sqrt{\frac{r^2+r2^2-2\, r\, r2\, \mathrm{Cos}[\theta 3]}{r^2-2\, r\, r2+r2^2}}\, \mathrm{Cos}[\lambda-\lambda 1]\, \mathrm{EllipticF}\left[\frac{\theta 3}{2}, -\frac{4\, r\, r2}{r^2-2\, r\, r2+r2^2}\right]}{r\left(r^2-r2^2\right)\sqrt{r^2+r2^2-2\, r\, r2\, \mathrm{Cos}[\theta 3]}} +$$

$$\left(64\, r\, r2^2 \sqrt{\frac{r^2+r2^2-2\, r\, r2\, \mathrm{Cos}[\theta 3]}{r^2-2\, r\, r2+r2^2}}\, \mathrm{Cos}[3\,\lambda-3\,\lambda 2]\right.$$

$$\left.\mathrm{EllipticF}\left[\frac{\theta 3}{2}, -\frac{4\, r\, r2}{r^2-2\, r\, r2+r2^2}\right]\right) \Big/ \left(\left(r^2-r2^2\right)\sqrt{r^2+r2^2-2\, r\, r2\, \mathrm{Cos}[\theta 3]}\right) -$$

$$\frac{16\, r2^4 \sqrt{\frac{r^2+r2^2-2\, r\, r2\, \mathrm{Cos}[\theta 3]}{r^2-2\, r\, r2+r2^2}}\, \mathrm{Cos}[3\,\lambda-3\,\lambda 2]\, \mathrm{EllipticF}\left[\frac{\theta 3}{2}, -\frac{4\, r\, r2}{r^2-2\, r\, r2+r2^2}\right]}{r\left(r^2-r2^2\right)\sqrt{r^2+r2^2-2\, r\, r2\, \mathrm{Cos}[\theta 3]}} +$$

$$\frac{144\, r2^4 \sqrt{\frac{r^2+r2^2-2\, r\, r2\, \mathrm{Cos}[\theta 3]}{r^2-2\, r\, r2+r2^2}}\, \mathrm{Cos}[\lambda-\lambda 2]\, \mathrm{EllipticF}\left[\frac{\theta 3}{2}, -\frac{4\, r\, r2}{r^2-2\, r\, r2+r2^2}\right]}{r\left(r^2-r2^2\right)\sqrt{r^2+r2^2-2\, r\, r2\, \mathrm{Cos}[\theta 3]}} +$$

$$\frac{1}{r^2 - r1^2}\, 36\, r1^3 \left(\mathrm{Cos}[\lambda] \left(-\frac{1}{2\, r\, r1}\right.\right.$$

$$\mathrm{Cos}[\lambda 1] \left(\left(2\left(r^2 - 2\, r\, r1 + r1^2\right) \sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 3]}{r^2 - 2\, r\, r1 + r1^2}}\ \mathrm{EllipticE}\left[\frac{\theta 3}{2},\right.\right.\right.$$

$$\left.\left.-\frac{4\, r\, r1}{r^2 - 2\, r\, r1 + r1^2}\right]\right) \Big/ \left(\sqrt{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 3]}\right) - \left(2\left(r^2 + r1^2\right)\right.$$

$$\left.\sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 3]}{r^2 - 2\, r\, r1 + r1^2}}\ \mathrm{EllipticF}\left[\frac{\theta 3}{2}, -\frac{4\, r\, r1}{r^2 - 2\, r\, r1 + r1^2}\right]\right) \Big/$$

$$\left.\left(\sqrt{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 3]}\right)\right) - \left(\sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 3]}{r^2 + r1^2}}\ \left(-r^2 - \right.\right.$$

$$\left.\left. r1^2 + r^2 \sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 3]}{r^2 + r1^2}} + r1^2 \sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 3]}{r^2 + r1^2}}\right)\right.$$

$$\left.\left.\mathrm{Sin}[\lambda 1]\right) \Big/ \left(r\, r1 \sqrt{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 3]}\right)\right) + \mathrm{Sin}[\lambda]$$

$$\left(\left(\sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 3]}{r^2 + r1^2}}\ \left(-r^2 - r1^2 + r^2 \sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 3]}{r^2 + r1^2}} + \right.\right.\right.$$

$$\left.\left. r1^2 \sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 3]}{r^2 + r1^2}}\right)$$

$$\left.\left.\mathrm{Cos}[\lambda 1]\right) \Big/ \left(r\, r1 \sqrt{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 3]}\right) - \right.$$

$$\frac{1}{2\, r\, r1} \left(\left(2\left(r^2 - 2\, r\, r1 + r1^2\right) \sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 3]}{r^2 - 2\, r\, r1 + r1^2}}\right.\right.$$

$$\left.\left.\mathrm{EllipticE}\left[\frac{\theta 3}{2}, -\frac{4\, r\, r1}{r^2 - 2\, r\, r1 + r1^2}\right]\right) \Big/ \left(\sqrt{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 3]}\right) - \right.$$

$$\left(2\left(r^2 + r1^2\right) \sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 3]}{r^2 - 2\, r\, r1 + r1^2}}\ \mathrm{EllipticF}\left[\frac{\theta 3}{2},\right.\right.$$

$$\left.\left.\left.\left.-\frac{4\, r\, r1}{r^2 - 2\, r\, r1 + r1^2}\right]\right) \Big/ \left(\sqrt{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 3]}\right)\right) \mathrm{Sin}[\lambda 1]\right)\right) -$$

$$\frac{1}{r^2\left(r^2-r1^2\right)}\,72\,r1^5\left(\mathrm{Cos}[\lambda]\left(-\frac{1}{2\,r\,r1}\,\mathrm{Cos}[\lambda 1]\left(\left(2\left(r^2-2\,r\,r1+r1^2\right)\right.\right.\right.\right.$$

$$\left.\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticE}\left[\frac{\theta 3}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\right)\Big/$$

$$\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\right)-\left(2\left(r^2+r1^2\right)\right.$$

$$\left.\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticF}\left[\frac{\theta 3}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\right)\Big/$$

$$\left.\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\right)\right)-\left(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}\;\left(-r^2-\right.\right.$$

$$\left.r1^2+r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}+r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}\right)$$

$$\left.\left.\mathrm{Sin}[\lambda 1]\right)\Big/\left(r\,r1\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\right)\right)+\mathrm{Sin}[\lambda]$$

$$\left(\left(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}\;\left(-r^2-r1^2+r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}+\right.\right.\right.$$

$$\left.r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}\right)$$

$$\left.\mathrm{Cos}[\lambda 1]\right)\Big/\left(r\,r1\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\right)-$$

$$\frac{1}{2\,r\,r1}\left(\left(2\left(r^2-2\,r\,r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r1+r1^2}}\right.\right.$$

$$\left.\mathrm{EllipticE}\left[\frac{\theta 3}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\right)-$$

$$\left(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticF}\left[\frac{\theta 3}{2},\right.\right.$$

$$\left.\left.\left.-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\right)\right)\mathrm{Sin}[\lambda 1]\right)\Bigg)+$$

$$\frac{1}{r^2 - r1^2}\, 36\, r1^3 \left(\mathrm{Cos}[\lambda] \left(-\frac{1}{2\, r\, r1}\, \mathrm{Cos}[\lambda 1] \left(\left(2\, \left(r^2 - 2\, r\, r1 + r1^2\right)\right.\right.\right.\right.$$

$$\sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 3]}{r^2 - 2\, r\, r1 + r1^2}}\, \mathrm{EllipticE}\left[\frac{\theta 3}{2}, -\frac{4\, r\, r1}{r^2 - 2\, r\, r1 + r1^2}\right]\Bigg) \Big/$$

$$\left(\sqrt{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 3]}\right) - \left(2\, \left(r^2 + r1^2\right)\right.$$

$$\sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 3]}{r^2 - 2\, r\, r1 + r1^2}}\, \mathrm{EllipticF}\left[\frac{\theta 3}{2}, -\frac{4\, r\, r1}{r^2 - 2\, r\, r1 + r1^2}\right]\Bigg) \Big/$$

$$\left(\sqrt{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 3]}\right)\Bigg) + \left(\sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 3]}{r^2 + r1^2}}\, \left(-r^2 - \right.\right.$$

$$\left. r1^2 + r^2 \sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 3]}{r^2 + r1^2}} + r1^2 \sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 3]}{r^2 + r1^2}}\right)$$

$$\left.\mathrm{Sin}[\lambda 1]\right) \Big/ \left(r\, r1\, \sqrt{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 3]}\right)\Bigg) - \mathrm{Sin}[\lambda]$$

$$\left(\left(\sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 3]}{r^2 + r1^2}}\, \left(-r^2 - r1^2 + r^2 \sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 3]}{r^2 + r1^2}} + \right.\right.\right.$$

$$\left. r1^2 \sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 3]}{r^2 + r1^2}}\right)$$

$$\left.\mathrm{Cos}[\lambda 1]\right) \Big/ \left(r\, r1\, \sqrt{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 3]}\right) +$$

$$\frac{1}{2\, r\, r1} \left(\left(2\, \left(r^2 - 2\, r\, r1 + r1^2\right) \sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 3]}{r^2 - 2\, r\, r1 + r1^2}}\right.\right.$$

$$\left.\mathrm{EllipticE}\left[\frac{\theta 3}{2}, -\frac{4\, r\, r1}{r^2 - 2\, r\, r1 + r1^2}\right]\right) \Big/ \left(\sqrt{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 3]}\right) -$$

$$\left(2\, \left(r^2 + r1^2\right) \sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 3]}{r^2 - 2\, r\, r1 + r1^2}}\, \mathrm{EllipticF}\left[\frac{\theta 3}{2}, \right.\right.$$

$$\left.\left.\left. -\frac{4\, r\, r1}{r^2 - 2\, r\, r1 + r1^2}\right]\right) \Big/ \left(\sqrt{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 3]}\right)\right) \mathrm{Sin}[\lambda 1]\Bigg)\Bigg) -$$

$$\frac{1}{r^2\left(r^2-r1^2\right)}\,72\,r1^5\left(\mathrm{Cos}[\lambda]\left(-\frac{1}{2\,r\,r1}\,\mathrm{Cos}[\lambda 1]\left(\left(2\left(r^2-2\,r\,r1+r1^2\right)\right.\right.\right.\right.$$

$$\left.\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticE}\left[\frac{\theta 3}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\right)\Big/$$

$$\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\right)-\left(2\left(r^2+r1^2\right)\right.$$

$$\left.\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticF}\left[\frac{\theta 3}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\right)\Big/$$

$$\left.\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\right)\right)+\left(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}\;\left(-r^2-\right.\right.$$

$$\left.\left.r1^2+r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}+r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}\right)$$

$$\left.\mathrm{Sin}[\lambda 1]\right)\Big/\left(r\,r1\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\right)\Bigg)-\mathrm{Sin}[\lambda]$$

$$\left(\left(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}\;\left(-r^2-r1^2+r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}+\right.\right.\right.$$

$$\left.r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}\right)$$

$$\left.\mathrm{Cos}[\lambda 1]\right)\Big/\left(r\,r1\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\right)+$$

$$\frac{1}{2\,r\,r1}\left(\left(2\left(r^2-2\,r\,r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r1+r1^2}}\right.\right.$$

$$\left.\mathrm{EllipticE}\left[\frac{\theta 3}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\right)-$$

$$\left(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticF}\left[\frac{\theta 3}{2},\right.\right.$$

$$\left.\left.\left.-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\right)\right)\mathrm{Sin}[\lambda 1]\Bigg)\Bigg)-$$

$$\frac{1}{r^2 - r2^2}\, 36\, r2^3 \left(\mathrm{Cos}[\lambda] \left(-\frac{1}{2\, r\, r2}\, \mathrm{Cos}[\lambda 1] \left(\left(2\, \left(r^2 - 2\, r\, r2 + r2^2\right)\right.\right.\right.\right.$$

$$\left.\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}{r^2 - 2\, r\, r2 + r2^2}}\, \mathrm{EllipticE}\left[\frac{\theta 3}{2}, -\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\right]\right) \Big/$$

$$\left(\sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}\right) - \left(2\, \left(r^2 + r2^2\right)\right.$$

$$\left.\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}{r^2 - 2\, r\, r2 + r2^2}}\, \mathrm{EllipticF}\left[\frac{\theta 3}{2}, -\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\right]\right) \Big/$$

$$\left.\left(\sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}\right)\right) - \left(\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}{r^2 + r2^2}}\, \left(-r^2 - \right.\right.$$

$$\left.\left. r2^2 + r^2 \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}{r^2 + r2^2}} + r2^2 \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}{r^2 + r2^2}}\right)\right.$$

$$\left.\mathrm{Sin}[\lambda 1]\right) \Big/ \left(r\, r2\, \sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}\right)\Bigg) + \mathrm{Sin}[\lambda]$$

$$\left(\left(\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}{r^2 + r2^2}}\, \left(-r^2 - r2^2 + r^2 \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}{r^2 + r2^2}} + \right.\right.\right.$$

$$\left. r2^2 \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}{r^2 + r2^2}}\right)$$

$$\left.\mathrm{Cos}[\lambda 1]\right) \Big/ \left(r\, r2\, \sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}\right) -$$

$$\frac{1}{2\, r\, r2} \left(\left(2\, \left(r^2 - 2\, r\, r2 + r2^2\right) \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}{r^2 - 2\, r\, r2 + r2^2}}\right.\right.$$

$$\left.\mathrm{EllipticE}\left[\frac{\theta 3}{2}, -\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\right]\right) \Big/ \left(\sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}\right) -$$

$$\left(2\, \left(r^2 + r2^2\right) \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}{r^2 - 2\, r\, r2 + r2^2}}\, \mathrm{EllipticF}\left[\frac{\theta 3}{2}, \right.\right.$$

$$\left.\left.\left. -\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\right]\right) \Big/ \left(\sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}\right)\right) \mathrm{Sin}[\lambda 1]\Bigg)\Bigg) +$$

$$\frac{1}{r^2\left(r^2-r2^2\right)}\,72\,r2^5\left(\mathrm{Cos}[\lambda]\left(-\frac{1}{2\,r\,r2}\,\mathrm{Cos}[\lambda1]\left(\left(2\left(r^2-2\,r\,r2+r2^2\right)\right.\right.\right.\right.$$

$$\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta3]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticE}\left[\frac{\theta3}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\Bigg)\Big/$$

$$\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta3]}\right)-\left(2\left(r^2+r2^2\right)\right.$$

$$\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta3]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticF}\left[\frac{\theta3}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\Bigg)\Big/$$

$$\left.\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta3]}\right)\right)-\left(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta3]}{r^2+r2^2}}\;\left(-r^2-\right.\right.$$

$$\left.r2^2+r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta3]}{r^2+r2^2}}+r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta3]}{r^2+r2^2}}\right)$$

$$\left.\mathrm{Sin}[\lambda1]\right)\Big/\left(r\,r2\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta3]}\right)\Bigg)+\mathrm{Sin}[\lambda]$$

$$\left(\left(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta3]}{r^2+r2^2}}\;\left(-r^2-r2^2+r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta3]}{r^2+r2^2}}+\right.\right.\right.$$

$$\left.r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta3]}{r^2+r2^2}}\right)$$

$$\left.\mathrm{Cos}[\lambda1]\right)\Big/\left(r\,r2\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta3]}\right)-$$

$$\frac{1}{2\,r\,r2}\left(\left(2\left(r^2-2\,r\,r2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta3]}{r^2-2\,r\,r2+r2^2}}\right.\right.$$

$$\left.\mathrm{EllipticE}\left[\frac{\theta3}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta3]}\right)-$$

$$\left(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta3]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticF}\left[\frac{\theta3}{2},\right.\right.$$

$$\left.\left.\left.-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta3]}\right)\right)\mathrm{Sin}[\lambda1]\Bigg)\Bigg)-$$

$$\frac{1}{r^2 - r2^2}\, 36\, r2^3 \left(\mathrm{Cos}[\lambda] \left(-\frac{1}{2\, r\, r2}\, \mathrm{Cos}[\lambda 1] \left(\left(2\left(r^2 - 2\, r\, r2 + r2^2\right)\right.\right.\right.\right.$$

$$\left.\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}{r^2 - 2\, r\, r2 + r2^2}}\; \mathrm{EllipticE}\left[\frac{\theta 3}{2}, -\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\right]\right) \Big/$$

$$\left(\sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}\right) - \left(2\left(r^2 + r2^2\right)\right.$$

$$\left.\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}{r^2 - 2\, r\, r2 + r2^2}}\; \mathrm{EllipticF}\left[\frac{\theta 3}{2}, -\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\right]\right) \Big/$$

$$\left.\left(\sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}\right)\right) + \left(\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}{r^2 + r2^2}}\; \left(-r^2 - \right.\right.$$

$$\left.\left. r2^2 + r^2 \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}{r^2 + r2^2}} + r2^2 \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}{r^2 + r2^2}}\right)\right.$$

$$\left.\mathrm{Sin}[\lambda 1]\right) \Big/ \left(r\, r2\, \sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}\right)\Bigg) - \mathrm{Sin}[\lambda]$$

$$\left(\left(\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}{r^2 + r2^2}}\; \left(-r^2 - r2^2 + r^2 \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}{r^2 + r2^2}} + \right.\right.\right.$$

$$\left. r2^2 \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}{r^2 + r2^2}}\right)$$

$$\left.\mathrm{Cos}[\lambda 1]\right) \Big/ \left(r\, r2\, \sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}\right) +$$

$$\frac{1}{2\, r\, r2} \left(\left(2\left(r^2 - 2\, r\, r2 + r2^2\right) \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}{r^2 - 2\, r\, r2 + r2^2}}\right.\right.$$

$$\left.\mathrm{EllipticE}\left[\frac{\theta 3}{2}, -\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\right]\right) \Big/ \left(\sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}\right) -$$

$$\left(2\left(r^2 + r2^2\right) \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}{r^2 - 2\, r\, r2 + r2^2}}\; \mathrm{EllipticF}\left[\frac{\theta 3}{2},\right.\right.$$

$$\left.\left.\left. -\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\right]\right) \Big/ \left(\sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}\right)\right) \mathrm{Sin}[\lambda 1]\Bigg)\Bigg) +$$

$$\frac{1}{r^2\left(r^2-r2^2\right)}\,72\,r2^5\left(\mathrm{Cos}[\lambda]\left(-\frac{1}{2\,r\,r2}\,\mathrm{Cos}[\lambda 1]\left(\left(2\left(r^2-2\,r\,r2+r2^2\right)\right.\right.\right.\right.$$

$$\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticE}\Big[\frac{\theta 3}{2},$$

$$\left.-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\right)-$$

$$\left(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticF}\Big[\frac{\theta 3}{2},\right.$$

$$\left.-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\right)\Bigg)+$$

$$\left(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}\left(-r^2-r2^2+r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}+\right.\right.$$

$$\left.\left.r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}\right)\mathrm{Sin}[\lambda 1]\right)\Big/$$

$$\left.\left(r\,r2\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\right)\right)-\mathrm{Sin}[\lambda]$$

$$\left(\left(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}\left(-r^2-r2^2+r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}+\right.\right.\right.$$

$$\left.r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}\right)$$

$$\left.\mathrm{Cos}[\lambda 1]\right)\Big/\left(r\,r2\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\right)+$$

$$\frac{1}{2\,r\,r2}\left(\left(2\left(r^2-2\,r\,r2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r2+r2^2}}\right.\right.$$

$$\left.\mathrm{EllipticE}\Big[\frac{\theta 3}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\right)-$$

$$\left(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticF}\Big[\frac{\theta 3}{2},\right.$$

$$-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\Big)\Big/\Big(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\Big)\Big)\,\mathrm{Sin}[\lambda 1]\Big)\Big)-$$

$$\frac{1}{r^2-r1^2}\,32\,r^2\,r1\Big(\mathrm{Cos}[\lambda]\,(-1+2\,\mathrm{Cos}[2\,\lambda])\Big(-\frac{1}{2\,r\,r1}\,\mathrm{Cos}[3\,\lambda 1]$$

$$\Big(\Big(2\,(r^2-2\,r\,r1+r1^2)\,\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r1+r1^2}}\,\mathrm{EllipticE}\Big[$$

$$\frac{\theta 3}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Big)\Big/\Big(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\Big)-$$

$$\Big(2\,(r^2+r1^2)\,\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r1+r1^2}}\,\mathrm{EllipticF}\Big[\frac{\theta 3}{2},$$

$$-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Big)\Big/\Big(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\Big)\Big)-$$

$$\Big(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}\,\Big(-r^2-r1^2+r^2\,\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}+$$

$$r1^2\,\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}\Big)\,(1+2\,\mathrm{Cos}[2\,\lambda 1])\,\mathrm{Sin}[\lambda 1]\Big)\Big/$$

$$\Big(r\,r1\,\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\Big)\Big)+(1+2\,\mathrm{Cos}[2\,\lambda])\,\mathrm{Sin}[\lambda]$$

$$\Big(\Big(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}\,\Big(-r^2-r1^2+r^2\,\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}+$$

$$r1^2\,\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}\Big)\,\mathrm{Cos}[\lambda 1]$$

$$(-1+2\,\mathrm{Cos}[2\,\lambda 1])\Big)\Big/\Big(r\,r1\,\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\Big)-$$

$$\frac{1}{2\,r\,r1}\Big(\Big(2\,(r^2-2\,r\,r1+r1^2)\,\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r1+r1^2}}$$

$$\mathrm{EllipticE}\Big[\frac{\theta 3}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Big)\Big/\Big(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\Big)-$$

$$\left(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticF}\left[\frac{\theta 3}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\right)\Bigg)\mathrm{Sin}[3\,\lambda 1]\Bigg)\Bigg)+$$

$$\frac{1}{r^2-r1^2}\,12\,r1^3\Bigg(\mathrm{Cos}[\lambda]\,(-1+2\,\mathrm{Cos}[2\,\lambda])\Bigg(-\frac{1}{2\,r\,r1}\,\mathrm{Cos}[3\,\lambda 1]$$

$$\Bigg(\Bigg(2\left(r^2-2\,r\,r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticE}\Big[$$

$$\frac{\theta 3}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Bigg)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\right)-$$

$$\left(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticF}\left[\frac{\theta 3}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\right)\Bigg)-$$

$$\Bigg(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}\Bigg(-r^2-r1^2+r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}+$$

$$r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}\Bigg)(1+2\,\mathrm{Cos}[2\,\lambda 1])\,\mathrm{Sin}[\lambda 1]\Bigg)\Big/$$

$$\left(r\,r1\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\right)\Bigg)+(1+2\,\mathrm{Cos}[2\,\lambda])\,\mathrm{Sin}[\lambda]$$

$$\Bigg(\Bigg(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}\Bigg(-r^2-r1^2+r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}+$$

$$r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}\Bigg)\mathrm{Cos}[\lambda 1]$$

$$(-1+2\,\mathrm{Cos}[2\,\lambda 1])\Bigg)\Big/\left(r\,r1\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\right)-$$

$$\frac{1}{2\,r\,r1}\Bigg(\Bigg(2\left(r^2-2\,r\,r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r1+r1^2}}$$

$$\text{EllipticE}\left[\frac{\theta 3}{2}, -\frac{4\, r\, r1}{r^2 - 2\, r\, r1 + r1^2}\right]\Bigg) \Big/ \left(\sqrt{r^2 + r1^2 - 2\, r\, r1\, \text{Cos}[\theta 3]}\right) -$$

$$\left(2\left(r^2 + r1^2\right)\sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \text{Cos}[\theta 3]}{r^2 - 2\, r\, r1 + r1^2}}\ \text{EllipticF}\left[\frac{\theta 3}{2},\right.\right.$$

$$\left.\left.\left. -\frac{4\, r\, r1}{r^2 - 2\, r\, r1 + r1^2}\right]\right) \Big/ \left(\sqrt{r^2 + r1^2 - 2\, r\, r1\, \text{Cos}[\theta 3]}\right)\right) \text{Sin}[3\, \lambda 1]\Bigg)\Bigg) +$$

$$\frac{1}{r^2\left(r^2 - r1^2\right)}\, 8\, r1^5 \Bigg(\text{Cos}[\lambda]\ (-1 + 2\, \text{Cos}[2\, \lambda])\ \Bigg(-\frac{1}{2\, r\, r1}\, \text{Cos}[3\, \lambda 1]$$

$$\Bigg(\Bigg(2\left(r^2 - 2\, r\, r1 + r1^2\right)\sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \text{Cos}[\theta 3]}{r^2 - 2\, r\, r1 + r1^2}}\ \text{EllipticE}\Big[$$

$$\frac{\theta 3}{2}, -\frac{4\, r\, r1}{r^2 - 2\, r\, r1 + r1^2}\Big]\Bigg) \Big/ \left(\sqrt{r^2 + r1^2 - 2\, r\, r1\, \text{Cos}[\theta 3]}\right) -$$

$$\left(2\left(r^2 + r1^2\right)\sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \text{Cos}[\theta 3]}{r^2 - 2\, r\, r1 + r1^2}}\ \text{EllipticF}\left[\frac{\theta 3}{2},\right.\right.$$

$$\left.\left.\left. -\frac{4\, r\, r1}{r^2 - 2\, r\, r1 + r1^2}\right]\right) \Big/ \left(\sqrt{r^2 + r1^2 - 2\, r\, r1\, \text{Cos}[\theta 3]}\right)\right) -$$

$$\left(\sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \text{Cos}[\theta 3]}{r^2 + r1^2}}\ \left(-r^2 - r1^2 + r^2\sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \text{Cos}[\theta 3]}{r^2 + r1^2}} +\right.\right.$$

$$\left.\left. r1^2\sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \text{Cos}[\theta 3]}{r^2 + r1^2}}\right)\ (1 + 2\, \text{Cos}[2\, \lambda 1])\ \text{Sin}[\lambda 1]\right) \Big/$$

$$\left(r\, r1\sqrt{r^2 + r1^2 - 2\, r\, r1\, \text{Cos}[\theta 3]}\right)\Bigg) + (1 + 2\, \text{Cos}[2\, \lambda])\ \text{Sin}[\lambda]$$

$$\Bigg(\Bigg(\sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \text{Cos}[\theta 3]}{r^2 + r1^2}}\ \left(-r^2 - r1^2 + r^2\sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \text{Cos}[\theta 3]}{r^2 + r1^2}} +\right.$$

$$\left. r1^2\sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \text{Cos}[\theta 3]}{r^2 + r1^2}}\right)\ \text{Cos}[\lambda 1]$$

$$(-1 + 2\, \text{Cos}[2\, \lambda 1])\Bigg) \Big/ \left(r\, r1\sqrt{r^2 + r1^2 - 2\, r\, r1\, \text{Cos}[\theta 3]}\right) -$$

$$\frac{1}{2\,r\,r1}\left(\left(2\left(r^2-2\,r\,r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r1+r1^2}}\right.\right.$$

$$\left.\mathrm{EllipticE}\left[\frac{\theta 3}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\right)-$$

$$\left(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticF}\left[\frac{\theta 3}{2},\right.\right.$$

$$\left.\left.\left.-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\right)\right)\mathrm{Sin}[3\,\lambda 1]\right)\Bigg)-$$

$$\frac{1}{r^2-r1^2}\,32\,r^2\,r1\left(\mathrm{Cos}[\lambda]\,(-1+2\,\mathrm{Cos}[2\,\lambda])\left(-\frac{1}{2\,r\,r1}\,\mathrm{Cos}[3\,\lambda 1]\right.\right.$$

$$\left(\left(2\left(r^2-2\,r\,r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticE}\right.\right.$$

$$\left.\left.\frac{\theta 3}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\right)-$$

$$\left(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticF}\left[\frac{\theta 3}{2},\right.\right.$$

$$\left.\left.\left.-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\right)\right)+$$

$$\left(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}\left(-r^2-r1^2+r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}+\right.\right.$$

$$\left.\left.r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}\right)(1+2\,\mathrm{Cos}[2\,\lambda 1])\,\mathrm{Sin}[\lambda 1]\right)\Big/$$

$$\left.\left(r\,r1\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\right)\right)-(1+2\,\mathrm{Cos}[2\,\lambda])\,\mathrm{Sin}[\lambda]$$

$$\left(\left(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}\left(-r^2-r1^2+r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}+\right.\right.\right.$$

$$\left.\left.r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}\right)\mathrm{Cos}[\lambda 1]\right.$$

$$(-1+2\,\mathrm{Cos}[2\,\lambda 1])\Big)\Big/\Big(r\,r1\,\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\Big)+$$

$$\frac{1}{2\,r\,r1}\Bigg(\Bigg(2\,(r^2-2\,r\,r1+r1^2)\,\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r1+r1^2}}$$

$$\mathrm{EllipticE}\Big[\frac{\theta 3}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Bigg)\Big/\Big(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\Big)-$$

$$\Bigg(2\,(r^2+r1^2)\,\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticF}\Big[\frac{\theta 3}{2},$$

$$-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Bigg)\Big/\Big(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\Big)\Bigg)\,\mathrm{Sin}[3\,\lambda 1]\Bigg)\Bigg)+$$

$$\frac{1}{r^2-r1^2}\,12\,r1^3\Bigg(\mathrm{Cos}[\lambda]\,(-1+2\,\mathrm{Cos}[2\,\lambda])\Bigg(-\frac{1}{2\,r\,r1}\,\mathrm{Cos}[3\,\lambda 1]$$

$$\Bigg(\Bigg(2\,(r^2-2\,r\,r1+r1^2)\,\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticE}\Big[$$

$$\frac{\theta 3}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Bigg)\Big/\Big(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\Big)-$$

$$\Bigg(2\,(r^2+r1^2)\,\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticF}\Big[\frac{\theta 3}{2},$$

$$-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Bigg)\Big/\Big(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\Big)\Bigg)+$$

$$\Bigg(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}\;\Bigg(-r^2-r1^2+r^2\,\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}+$$

$$r1^2\,\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}\Bigg)\,(1+2\,\mathrm{Cos}[2\,\lambda 1])\,\mathrm{Sin}[\lambda 1]\Bigg)\Big/$$

$$\Big(r\,r1\,\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\Big)\Bigg)-(1+2\,\mathrm{Cos}[2\,\lambda])\,\mathrm{Sin}[\lambda]$$

$$\Bigg(\Bigg(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}\;\Bigg(-r^2-r1^2+r^2\,\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}+$$

$$r1^2 \sqrt{\frac{r^2 + r1^2 - 2\, r\, r1 \operatorname{Cos}[\theta 3]}{r^2 + r1^2}}\Bigg) \operatorname{Cos}[\lambda 1]$$

$$(-1 + 2 \operatorname{Cos}[2\, \lambda 1])\Bigg) \Big/ \left(r\, r1 \sqrt{r^2 + r1^2 - 2\, r\, r1 \operatorname{Cos}[\theta 3]}\right) +$$

$$\frac{1}{2\, r\, r1} \Bigg(\Bigg(2 \left(r^2 - 2\, r\, r1 + r1^2\right) \sqrt{\frac{r^2 + r1^2 - 2\, r\, r1 \operatorname{Cos}[\theta 3]}{r^2 - 2\, r\, r1 + r1^2}}$$

$$\operatorname{EllipticE}\left[\frac{\theta 3}{2}, -\frac{4\, r\, r1}{r^2 - 2\, r\, r1 + r1^2}\right]\Bigg) \Big/ \left(\sqrt{r^2 + r1^2 - 2\, r\, r1 \operatorname{Cos}[\theta 3]}\right) -$$

$$\Bigg(2 \left(r^2 + r1^2\right) \sqrt{\frac{r^2 + r1^2 - 2\, r\, r1 \operatorname{Cos}[\theta 3]}{r^2 - 2\, r\, r1 + r1^2}}\ \operatorname{EllipticF}\Big[\frac{\theta 3}{2},$$

$$-\frac{4\, r\, r1}{r^2 - 2\, r\, r1 + r1^2}\Big]\Bigg) \Big/ \left(\sqrt{r^2 + r1^2 - 2\, r\, r1 \operatorname{Cos}[\theta 3]}\right)\Bigg) \operatorname{Sin}[3\, \lambda 1]\Bigg)\Bigg) +$$

$$\frac{1}{r^2 \left(r^2 - r1^2\right)} 8\, r1^5 \Bigg(\operatorname{Cos}[\lambda]\ (-1 + 2 \operatorname{Cos}[2\, \lambda])\ \Bigg(-\frac{1}{2\, r\, r1} \operatorname{Cos}[3\, \lambda 1]$$

$$\Bigg(\Bigg(2 \left(r^2 - 2\, r\, r1 + r1^2\right) \sqrt{\frac{r^2 + r1^2 - 2\, r\, r1 \operatorname{Cos}[\theta 3]}{r^2 - 2\, r\, r1 + r1^2}}\ \operatorname{EllipticE}\Big[$$

$$\frac{\theta 3}{2}, -\frac{4\, r\, r1}{r^2 - 2\, r\, r1 + r1^2}\Big]\Bigg) \Big/ \left(\sqrt{r^2 + r1^2 - 2\, r\, r1 \operatorname{Cos}[\theta 3]}\right) -$$

$$\Bigg(2 \left(r^2 + r1^2\right) \sqrt{\frac{r^2 + r1^2 - 2\, r\, r1 \operatorname{Cos}[\theta 3]}{r^2 - 2\, r\, r1 + r1^2}}\ \operatorname{EllipticF}\Big[\frac{\theta 3}{2},$$

$$-\frac{4\, r\, r1}{r^2 - 2\, r\, r1 + r1^2}\Big]\Bigg) \Big/ \left(\sqrt{r^2 + r1^2 - 2\, r\, r1 \operatorname{Cos}[\theta 3]}\right)\Bigg) +$$

$$\Bigg(\sqrt{\frac{r^2 + r1^2 - 2\, r\, r1 \operatorname{Cos}[\theta 3]}{r^2 + r1^2}}\ \Bigg(-r^2 - r1^2 + r^2 \sqrt{\frac{r^2 + r1^2 - 2\, r\, r1 \operatorname{Cos}[\theta 3]}{r^2 + r1^2}} +$$

$$r1^2 \sqrt{\frac{r^2 + r1^2 - 2\, r\, r1 \operatorname{Cos}[\theta 3]}{r^2 + r1^2}}\Bigg) (1 + 2 \operatorname{Cos}[2\, \lambda 1]) \operatorname{Sin}[\lambda 1]\Bigg) \Big/$$

$$\left(r\, r1 \sqrt{r^2 + r1^2 - 2\, r\, r1 \operatorname{Cos}[\theta 3]}\right)\Bigg) - (1 + 2 \operatorname{Cos}[2\, \lambda])\ \operatorname{Sin}[\lambda]$$

$$\left(\left(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}\left(-r^2-r1^2+r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}+\right.\right.\right.$$

$$\left.r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}\right)\mathrm{Cos}[\lambda 1]$$

$$\left.(-1+2\,\mathrm{Cos}[2\,\lambda 1])\right)\Big/\left(r\,r1\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\right)+$$

$$\frac{1}{2\,r\,r1}\left(\left(2\left(r^2-2\,r\,r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r1+r1^2}}\right.\right.$$

$$\left.\mathrm{EllipticE}\left[\frac{\theta 3}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\right)-$$

$$\left(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r1+r1^2}}\,\mathrm{EllipticF}\left[\frac{\theta 3}{2},\right.\right.$$

$$\left.\left.\left.-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\right)\right)\mathrm{Sin}[3\,\lambda 1]\Bigg)\Bigg)+$$

$$\frac{1}{r^2-r2^2}\,32\,r^2\,r2\left(\mathrm{Cos}[\lambda]\,(-1+2\,\mathrm{Cos}[2\,\lambda])\left(-\frac{1}{2\,r\,r2}\,\mathrm{Cos}[3\,\lambda 1]\right.\right.$$

$$\left(\left(2\left(r^2-2\,r\,r2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r2+r2^2}}\,\mathrm{EllipticE}\right.\right.$$

$$\left.\left.\frac{\theta 3}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\right)-$$

$$\left(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r2+r2^2}}\,\mathrm{EllipticF}\left[\frac{\theta 3}{2},\right.\right.$$

$$\left.\left.\left.-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\right)\right)-$$

$$\left(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}\left(-r^2-r2^2+r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}+\right.\right.$$

$$\left.\left.r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}\right)(1+2\,\mathrm{Cos}[2\,\lambda 1])\,\mathrm{Sin}[\lambda 1]\right)\Big/$$

$$\left(r\, r2\, \sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}\right)\Bigg) + (1 + 2\, \mathrm{Cos}[2\, \lambda])\, \mathrm{Sin}[\lambda]$$

$$\Bigg(\Bigg(\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}{r^2 + r2^2}}\, \Bigg(-r^2 - r2^2 + r^2\, \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}{r^2 + r2^2}} +$$

$$r2^2\, \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}{r^2 + r2^2}}\Bigg)\, \mathrm{Cos}[\lambda 1]$$

$$(-1 + 2\, \mathrm{Cos}[2\, \lambda 1])\Bigg) \Big/ \left(r\, r2\, \sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}\right) -$$

$$\frac{1}{2\, r\, r2}\, \Bigg(\Bigg(2\, \left(r^2 - 2\, r\, r2 + r2^2\right)\, \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}{r^2 - 2\, r\, r2 + r2^2}}$$

$$\mathrm{EllipticE}\left[\frac{\theta 3}{2}, -\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\right]\Bigg) \Big/ \left(\sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}\right) -$$

$$\Bigg(2\, \left(r^2 + r2^2\right)\, \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}{r^2 - 2\, r\, r2 + r2^2}}\, \mathrm{EllipticF}\Big[\frac{\theta 3}{2},$$

$$-\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\Big]\Bigg) \Big/ \left(\sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}\right)\Bigg)\, \mathrm{Sin}[3\, \lambda 1]\Bigg)\Bigg) -$$

$$\frac{1}{r^2 - r2^2}\, 12\, r2^3\, \Bigg(\mathrm{Cos}[\lambda]\, (-1 + 2\, \mathrm{Cos}[2\, \lambda])\, \Bigg(-\frac{1}{2\, r\, r2}\, \mathrm{Cos}[3\, \lambda 1]$$

$$\Bigg(\Bigg(2\, \left(r^2 - 2\, r\, r2 + r2^2\right)\, \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}{r^2 - 2\, r\, r2 + r2^2}}\, \mathrm{EllipticE}\Big[$$

$$\frac{\theta 3}{2}, -\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\Big]\Bigg) \Big/ \left(\sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}\right) -$$

$$\Bigg(2\, \left(r^2 + r2^2\right)\, \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}{r^2 - 2\, r\, r2 + r2^2}}\, \mathrm{EllipticF}\Big[\frac{\theta 3}{2},$$

$$-\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\Big]\Bigg) \Big/ \left(\sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}\right)\Bigg) -$$

$$\Bigg(\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}{r^2 + r2^2}}\, \Bigg(-r^2 - r2^2 + r^2\, \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}{r^2 + r2^2}} +$$

$$r2^2 \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}{r^2 + r2^2}}\Bigg)\, (1 + 2\, \mathrm{Cos}[2\, \lambda 1])\, \mathrm{Sin}[\lambda 1]\Bigg) \Big/$$

$$\left(r\, r2\, \sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}\right)\Bigg) + (1 + 2\, \mathrm{Cos}[2\, \lambda])\, \mathrm{Sin}[\lambda]$$

$$\Bigg(\Bigg(\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}{r^2 + r2^2}}\, \Bigg(-r^2 - r2^2 + r^2 \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}{r^2 + r2^2}} +$$

$$r2^2 \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}{r^2 + r2^2}}\Bigg)\, \mathrm{Cos}[\lambda 1]$$

$$(-1 + 2\, \mathrm{Cos}[2\, \lambda 1])\Bigg) \Big/ \left(r\, r2\, \sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}\right) -$$

$$\frac{1}{2\, r\, r2}\, \Bigg(\Bigg(2\, \left(r^2 - 2\, r\, r2 + r2^2\right) \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}{r^2 - 2\, r\, r2 + r2^2}}$$

$$\mathrm{EllipticE}\left[\frac{\theta 3}{2}, -\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\right]\Bigg) \Big/ \left(\sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}\right) -$$

$$\Bigg(2\, \left(r^2 + r2^2\right) \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}{r^2 - 2\, r\, r2 + r2^2}}\, \mathrm{EllipticF}\left[\frac{\theta 3}{2},\right.$$

$$\left. -\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\right]\Bigg) \Big/ \left(\sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}\right)\Bigg)\, \mathrm{Sin}[3\, \lambda 1]\Bigg)\Bigg) -$$

$$\frac{1}{r^2\, \left(r^2 - r2^2\right)}\, 8\, r2^5 \Bigg(\mathrm{Cos}[\lambda]\, (-1 + 2\, \mathrm{Cos}[2\, \lambda])\, \Bigg(-\frac{1}{2\, r\, r2}\, \mathrm{Cos}[3\, \lambda 1]$$

$$\Bigg(\Bigg(2\, \left(r^2 - 2\, r\, r2 + r2^2\right) \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}{r^2 - 2\, r\, r2 + r2^2}}\, \mathrm{EllipticE}\Big[$$

$$\frac{\theta 3}{2}, -\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\Big]\Bigg) \Big/ \left(\sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}\right) -$$

$$\Bigg(2\, \left(r^2 + r2^2\right) \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}{r^2 - 2\, r\, r2 + r2^2}}\, \mathrm{EllipticF}\left[\frac{\theta 3}{2},\right.$$

$$\left. -\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\right]\Bigg) \Big/ \left(\sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}\right)\Bigg) -$$

$$\left(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}\left(-r^2-r2^2+r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}+\right.\right.$$

$$\left.r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}\right)(1+2\,\mathrm{Cos}[2\,\lambda 1])\,\mathrm{Sin}[\lambda 1]\Bigg)\Bigg/$$

$$\left.\left(r\,r2\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\right)\right)+(1+2\,\mathrm{Cos}[2\,\lambda])\,\mathrm{Sin}[\lambda]$$

$$\left(\left(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}\left(-r^2-r2^2+r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}+\right.\right.\right.$$

$$\left.r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}\right)\mathrm{Cos}[\lambda 1]$$

$$\left.(-1+2\,\mathrm{Cos}[2\,\lambda 1])\right)\Big/\left(r\,r2\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\right)-$$

$$\frac{1}{2\,r\,r2}\left(\left(2\left(r^2-2\,r\,r2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r2+r2^2}}\right.\right.$$

$$\left.\mathrm{EllipticE}\left[\frac{\theta 3}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\right)-$$

$$\left(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r2+r2^2}}\,\mathrm{EllipticF}\left[\frac{\theta 3}{2},\right.\right.$$

$$\left.\left.\left.-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\right)\right)\mathrm{Sin}[3\,\lambda 1]\Bigg)\Bigg)+$$

$$\frac{1}{r^2-r2^2}\,32\,r^2\,r2\left(\mathrm{Cos}[\lambda]\,(-1+2\,\mathrm{Cos}[2\,\lambda])\left(-\frac{1}{2\,r\,r2}\,\mathrm{Cos}[3\,\lambda 1]\right.\right.$$

$$\left(\left(2\left(r^2-2\,r\,r2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r2+r2^2}}\,\mathrm{EllipticE}\right.\right.$$

$$\left.\left.\frac{\theta 3}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\right)-$$

$$\left(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r2+r2^2}}\,\mathrm{EllipticF}\left[\frac{\theta 3}{2},\right.\right.$$

$$-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\Big)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\right)\Big)+$$

$$\Bigg(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}\,\Bigg(-r^2-r2^2+r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}+$$

$$r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}\Bigg)\,(1+2\,\mathrm{Cos}[2\,\lambda 1])\,\mathrm{Sin}[\lambda 1]\Bigg)\Big/$$

$$\left(r\,r2\,\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\right)\Bigg)-(1+2\,\mathrm{Cos}[2\,\lambda])\,\mathrm{Sin}[\lambda]$$

$$\Bigg(\Bigg(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}\,\Bigg(-r^2-r2^2+r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}+$$

$$r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}\Bigg)\,\mathrm{Cos}[\lambda 1]$$

$$(-1+2\,\mathrm{Cos}[2\,\lambda 1])\Bigg)\Big/\left(r\,r2\,\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\right)+$$

$$\frac{1}{2\,r\,r2}\Bigg(\Bigg(2\,(r^2-2\,r\,r2+r2^2)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r2+r2^2}}$$

$$\mathrm{EllipticE}\Big[\frac{\theta 3}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\Bigg)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\right)-$$

$$\Bigg(2\,(r^2+r2^2)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r2+r2^2}}\,\mathrm{EllipticF}\Big[\frac{\theta 3}{2},$$

$$-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\Bigg)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\right)\Bigg)\,\mathrm{Sin}[3\,\lambda 1]\Bigg)\Bigg)-$$

$$\frac{1}{r^2-r2^2}\,12\,r2^3\Bigg(\mathrm{Cos}[\lambda]\,(-1+2\,\mathrm{Cos}[2\,\lambda])\,\Bigg(-\frac{1}{2\,r\,r2}\,\mathrm{Cos}[3\,\lambda 1]$$

$$\Bigg(\Bigg(2\,(r^2-2\,r\,r2+r2^2)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r2+r2^2}}\,\mathrm{EllipticE}\Big[$$

$$\frac{\theta 3}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\Bigg)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\right)-$$

$$\left(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticF}\left[\frac{\theta 3}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\right)\Bigg)+$$

$$\left(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}\left(-r^2-r2^2+r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}+r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}\right)(1+2\,\mathrm{Cos}[2\,\lambda 1])\,\mathrm{Sin}[\lambda 1]\right)\Big/$$

$$\left(r\,r2\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\right)\Bigg)-(1+2\,\mathrm{Cos}[2\,\lambda])\,\mathrm{Sin}[\lambda]$$

$$\left(\left(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}\left(-r^2-r2^2+r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}+r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}\right)\mathrm{Cos}[\lambda 1]\right.\right.$$

$$\left.(-1+2\,\mathrm{Cos}[2\,\lambda 1])\right)\Big/\left(r\,r2\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\right)+$$

$$\frac{1}{2\,r\,r2}\left(\left(2\left(r^2-2\,r\,r2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r2+r2^2}}\right.\right.$$

$$\left.\mathrm{EllipticE}\left[\frac{\theta 3}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\right)-$$

$$\left(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticF}\left[\frac{\theta 3}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\right)\Bigg)\,\mathrm{Sin}[3\,\lambda 1]\Bigg)\Bigg)-$$

$$\frac{1}{r^2\left(r^2-r2^2\right)}\,8\,r2^5\left(\mathrm{Cos}[\lambda]\,(-1+2\,\mathrm{Cos}[2\,\lambda])\left(-\frac{1}{2\,r\,r2}\,\mathrm{Cos}[3\,\lambda 1]\right.\right.$$

$$\left(\left(2\left(r^2-2\,r\,r2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticE}\right[\right.$$

$$\frac{\theta 3}{2}, -\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\Big]\Big) \Big/ \left(\sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}\right) -$$

$$\left(2\left(r^2 + r2^2\right)\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}{r^2 - 2\, r\, r2 + r2^2}}\ \mathrm{EllipticF}\Big[\frac{\theta 3}{2},\right.$$

$$\left. -\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\Big]\right) \Big/ \left(\sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}\right)\Bigg) +$$

$$\left(\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}{r^2 + r2^2}}\left(-r^2 - r2^2 + r^2\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}{r^2 + r2^2}} +\right.\right.$$

$$\left.\left. r2^2\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}{r^2 + r2^2}}\right)(1 + 2\, \mathrm{Cos}[2\, \lambda 1])\, \mathrm{Sin}[\lambda 1]\right) \Big/$$

$$\left(r\, r2\sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}\right)\Bigg) - (1 + 2\, \mathrm{Cos}[2\, \lambda])\, \mathrm{Sin}[\lambda]$$

$$\Bigg(\Bigg(\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}{r^2 + r2^2}}\left(-r^2 - r2^2 + r^2\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}{r^2 + r2^2}} +\right.$$

$$\left. r2^2\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}{r^2 + r2^2}}\right)\mathrm{Cos}[\lambda 1]$$

$$(-1 + 2\, \mathrm{Cos}[2\, \lambda 1])\Bigg) \Big/ \left(r\, r2\sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}\right) +$$

$$\frac{1}{2\, r\, r2}\Bigg(\Bigg(2\left(r^2 - 2\, r\, r2 + r2^2\right)\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}{r^2 - 2\, r\, r2 + r2^2}}$$

$$\mathrm{EllipticE}\Big[\frac{\theta 3}{2}, -\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\Big]\Big) \Big/ \left(\sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}\right) -$$

$$\left(2\left(r^2 + r2^2\right)\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}{r^2 - 2\, r\, r2 + r2^2}}\ \mathrm{EllipticF}\Big[\frac{\theta 3}{2},\right.$$

$$\left. -\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\Big]\right) \Big/ \left(\sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}\right)\Bigg)\, \mathrm{Sin}[3\, \lambda 1]\Bigg)\Bigg) -$$

$$\frac{1}{r^2 - r1^2}\, 36\, r1^3\left(\mathrm{Cos}[\lambda]\left(-\frac{1}{2\, r\, r1}\, \mathrm{Cos}[\lambda 2]\Bigg(\Bigg(2\left(r^2 - 2\, r\, r1 + r1^2\right)\right.\right.$$

$$\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r1+r1^2}}\ \mathrm{EllipticE}\Big[\frac{\theta 3}{2},$$

$$-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Big)\Big/\Big(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\Big)-$$

$$\Big(2\,(r^2+r1^2)\,\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r1+r1^2}}\ \mathrm{EllipticF}\Big[\frac{\theta 3}{2},$$

$$-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Big)\Big/\Big(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\Big)\Big)-$$

$$\Big(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}\ \Big(-r^2-r1^2+r^2\,\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}+$$

$$r1^2\,\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}\Big)\,\mathrm{Sin}[\lambda 2]\Big)\Big/$$

$$\Big(r\,r1\,\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\Big)\Big)+\mathrm{Sin}[\lambda]$$

$$\Big(\Big(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}\ \Big(-r^2-r1^2+r^2\,\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}+$$

$$r1^2\,\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}\Big)$$

$$\mathrm{Cos}[\lambda 2]\Big)\Big/\Big(r\,r1\,\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\Big)-$$

$$\frac{1}{2\,r\,r1}\Big(\Big(2\,(r^2-2\,r\,r1+r1^2)\,\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r1+r1^2}}$$

$$\mathrm{EllipticE}\Big[\frac{\theta 3}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Big)\Big/\Big(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\Big)-$$

$$\Big(2\,(r^2+r1^2)\,\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r1+r1^2}}\ \mathrm{EllipticF}\Big[\frac{\theta 3}{2},$$

$$-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Big)\Big/\Big(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\Big)\Big)\,\mathrm{Sin}[\lambda 2]\Big)\Big)+$$

$$\frac{1}{r^2\left(r^2-r1^2\right)}\,72\,r1^5\left(\mathrm{Cos}[\lambda]\left(-\frac{1}{2\,r\,r1}\,\mathrm{Cos}[\lambda 2]\left(\left(2\left(r^2-2\,r\,r1+r1^2\right)\right.\right.\right.\right.$$

$$\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticE}\Big[\frac{\theta 3}{2},$$

$$\left.-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\right)-$$

$$\left(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticF}\Big[\frac{\theta 3}{2},\right.$$

$$\left.-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\right)\Bigg)-$$

$$\left(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}\left(-r^2-r1^2+r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}+\right.\right.$$

$$\left.\left.r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}\right)\mathrm{Sin}[\lambda 2]\right)\Big/$$

$$\left.\left(r\,r1\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\right)\right)+\mathrm{Sin}[\lambda]$$

$$\left(\left(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}\left(-r^2-r1^2+r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}+\right.\right.\right.$$

$$\left.r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}\right)$$

$$\left.\mathrm{Cos}[\lambda 2]\right)\Big/\left(r\,r1\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\right)-$$

$$\frac{1}{2\,r\,r1}\left(\left(2\left(r^2-2\,r\,r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r1+r1^2}}\right.\right.$$

$$\left.\mathrm{EllipticE}\Big[\frac{\theta 3}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\right)-$$

$$\left(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticF}\Big[\frac{\theta 3}{2},\right.$$

$$-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Big)\Big/\Big(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\Big)\Big)\,\mathrm{Sin}[\lambda 2]\Big)\Big)-$$

$$\frac{1}{r^2-r1^2}\,36\,r1^3\Big(\mathrm{Cos}[\lambda]\Big(-\frac{1}{2\,r\,r1}\,\mathrm{Cos}[\lambda 2]\Big(\Big(2\,\big(r^2-2\,r\,r1+r1^2\big)$$

$$\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticE}\Big[\frac{\theta 3}{2},$$

$$-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Big)\Big/\Big(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\Big)-$$

$$\Big(2\,\big(r^2+r1^2\big)\,\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticF}\Big[\frac{\theta 3}{2},$$

$$-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Big)\Big/\Big(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\Big)\Big)+$$

$$\Big(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}\;\Big(-r^2-r1^2+r^2\,\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}+$$

$$r1^2\,\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}\Big)\,\mathrm{Sin}[\lambda 2]\Big)\Big/$$

$$\Big(r\,r1\,\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\Big)\Big)-\mathrm{Sin}[\lambda]$$

$$\Big(\Big(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}\;\Big(-r^2-r1^2+r^2\,\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}+$$

$$r1^2\,\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}\Big)$$

$$\mathrm{Cos}[\lambda 2]\Big)\Big/\Big(r\,r1\,\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\Big)+$$

$$\frac{1}{2\,r\,r1}\Big(\Big(2\,\big(r^2-2\,r\,r1+r1^2\big)\,\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r1+r1^2}}$$

$$\mathrm{EllipticE}\Big[\frac{\theta 3}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Big)\Big/\Big(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\Big)-$$

$$\left(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticF}\left[\frac{\theta 3}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\right)\right)\mathrm{Sin}[\lambda 2]\Bigg)\Bigg)+$$

$$\frac{1}{r^2\left(r^2-r1^2\right)}\,72\,r1^5\Bigg(\mathrm{Cos}[\lambda]\Bigg(-\frac{1}{2\,r\,r1}\,\mathrm{Cos}[\lambda 2]\Bigg(\Bigg(2\left(r^2-2\,r\,r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticE}\left[\frac{\theta 3}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\right)-$$

$$\left(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticF}\left[\frac{\theta 3}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\right)\right)+$$

$$\left(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}\left(-r^2-r1^2+r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}+r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}\right)\mathrm{Sin}[\lambda 2]\right)\Big/$$

$$\left(r\,r1\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\right)\Bigg)-\mathrm{Sin}[\lambda]$$

$$\Bigg(\Bigg(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}\left(-r^2-r1^2+r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}+r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}\right)$$

$$\mathrm{Cos}[\lambda 2]\Bigg)\Big/\left(r\,r1\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\right)+$$

$$\frac{1}{2\,r\,r1}\Bigg(\Bigg(2\left(r^2-2\,r\,r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r1+r1^2}}$$

$$\text{EllipticE}\left[\frac{\theta 3}{2}, -\frac{4\, r\, r1}{r^2 - 2\, r\, r1 + r1^2}\right]\Bigg) \Big/ \left(\sqrt{r^2 + r1^2 - 2\, r\, r1\, \text{Cos}[\theta 3]}\right) -$$

$$\left(2\left(r^2 + r1^2\right)\sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \text{Cos}[\theta 3]}{r^2 - 2\, r\, r1 + r1^2}}\ \text{EllipticF}\left[\frac{\theta 3}{2},\right.\right.$$

$$\left.\left.\left.-\frac{4\, r\, r1}{r^2 - 2\, r\, r1 + r1^2}\right]\Bigg) \Big/ \left(\sqrt{r^2 + r1^2 - 2\, r\, r1\, \text{Cos}[\theta 3]}\right)\right)\text{Sin}[\lambda 2]\right)\Bigg) +$$

$$\frac{1}{r^2 - r2^2}\, 36\, r2^3 \left(\text{Cos}[\lambda]\left(-\frac{1}{2\, r\, r2}\,\text{Cos}[\lambda 2]\left(\left(2\left(r^2 - 2\, r\, r2 + r2^2\right)\right.\right.\right.\right.$$

$$\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \text{Cos}[\theta 3]}{r^2 - 2\, r\, r2 + r2^2}}\ \text{EllipticE}\left[\frac{\theta 3}{2},\right.$$

$$\left.-\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\right]\Bigg) \Big/ \left(\sqrt{r^2 + r2^2 - 2\, r\, r2\, \text{Cos}[\theta 3]}\right) -$$

$$\left(2\left(r^2 + r2^2\right)\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \text{Cos}[\theta 3]}{r^2 - 2\, r\, r2 + r2^2}}\ \text{EllipticF}\left[\frac{\theta 3}{2},\right.\right.$$

$$\left.\left.-\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\right]\Bigg) \Big/ \left(\sqrt{r^2 + r2^2 - 2\, r\, r2\, \text{Cos}[\theta 3]}\right)\right) -$$

$$\left(\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \text{Cos}[\theta 3]}{r^2 + r2^2}}\left(-r^2 - r2^2 + r^2\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \text{Cos}[\theta 3]}{r^2 + r2^2}} +\right.\right.$$

$$\left.\left.r2^2\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \text{Cos}[\theta 3]}{r^2 + r2^2}}\right)\text{Sin}[\lambda 2]\right) \Big/$$

$$\left(r\, r2\sqrt{r^2 + r2^2 - 2\, r\, r2\, \text{Cos}[\theta 3]}\right)\Bigg) + \text{Sin}[\lambda]$$

$$\left(\left(\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \text{Cos}[\theta 3]}{r^2 + r2^2}}\left(-r^2 - r2^2 + r^2\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \text{Cos}[\theta 3]}{r^2 + r2^2}} +\right.\right.\right.$$

$$\left.r2^2\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \text{Cos}[\theta 3]}{r^2 + r2^2}}\right)$$

$$\left.\text{Cos}[\lambda 2]\right) \Big/ \left(r\, r2\sqrt{r^2 + r2^2 - 2\, r\, r2\, \text{Cos}[\theta 3]}\right) -$$

$$\frac{1}{2\,r\,r2}\left(\left(2\left(r^2-2\,r\,r2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r2+r2^2}}\right.\right.$$

$$\left.\mathrm{EllipticE}\left[\frac{\theta 3}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\right)-$$

$$\left(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticF}\left[\frac{\theta 3}{2},\right.\right.$$

$$\left.\left.\left.-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\right)\right)\mathrm{Sin}[\lambda 2]\right)\Bigg)-$$

$$\frac{1}{r^2\left(r^2-r2^2\right)}\,72\,r2^5\left(\mathrm{Cos}[\lambda]\left(-\frac{1}{2\,r\,r2}\,\mathrm{Cos}[\lambda 2]\left(\left(2\left(r^2-2\,r\,r2+r2^2\right)\right.\right.\right.\right.$$

$$\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticE}\left[\frac{\theta 3}{2},\right.$$

$$\left.\left.-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\right)-$$

$$\left(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticF}\left[\frac{\theta 3}{2},\right.\right.$$

$$\left.\left.\left.-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\right)\right)-$$

$$\left(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}\left(-r^2-r2^2+r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}+\right.\right.$$

$$\left.\left.r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}\right)\mathrm{Sin}[\lambda 2]\right)\Big/$$

$$\left.\left(r\,r2\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\right)\right)+\mathrm{Sin}[\lambda]$$

$$\left(\left(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}\left(-r^2-r2^2+r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}+\right.\right.\right.$$

$$\left.r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}\right)$$

$$\text{Cos}[\lambda 2]\Big)\Big/\left(r\,r2\,\sqrt{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 3]}\right)-$$

$$\frac{1}{2\,r\,r2}\left(\left(2\left(r^2-2\,r\,r2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 3]}{r^2-2\,r\,r2+r2^2}}\right.\right.$$

$$\text{EllipticE}\left[\frac{\theta 3}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\Big)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 3]}\right)-$$

$$\left(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 3]}{r^2-2\,r\,r2+r2^2}}\;\text{EllipticF}\left[\frac{\theta 3}{2},\right.\right.$$

$$\left.\left.\left.-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 3]}\right)\right)\text{Sin}[\lambda 2]\Big)\Big)+$$

$$\frac{1}{r^2-r2^2}\,36\,r2^3\left(\text{Cos}[\lambda]\left(-\frac{1}{2\,r\,r2}\,\text{Cos}[\lambda 2]\left(\left(2\left(r^2-2\,r\,r2+r2^2\right)\right.\right.\right.\right.$$

$$\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 3]}{r^2-2\,r\,r2+r2^2}}\;\text{EllipticE}\left[\frac{\theta 3}{2},\right.$$

$$\left.-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\Big)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 3]}\right)-$$

$$\left(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 3]}{r^2-2\,r\,r2+r2^2}}\;\text{EllipticF}\left[\frac{\theta 3}{2},\right.\right.$$

$$\left.\left.-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 3]}\right)\Big)+$$

$$\left(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 3]}{r^2+r2^2}}\left(-r^2-r2^2+r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 3]}{r^2+r2^2}}+\right.\right.$$

$$\left.\left.r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 3]}{r^2+r2^2}}\right)\text{Sin}[\lambda 2]\right)\Big/$$

$$\left.\left(r\,r2\,\sqrt{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 3]}\right)\right)-\text{Sin}[\lambda]$$

$$\left(\left(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 3]}{r^2+r2^2}}\left(-r^2-r2^2+r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 3]}{r^2+r2^2}}+\right.\right.\right.$$

$$r2^2 \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}{r^2 + r2^2}}\Bigg)$$

$$\mathrm{Cos}[\lambda 2]\Bigg) \Big/ \left(r\, r2 \sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}\right) +$$

$$\frac{1}{2\, r\, r2} \Bigg(\Bigg(2 \left(r^2 - 2\, r\, r2 + r2^2\right) \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}{r^2 - 2\, r\, r2 + r2^2}}$$

$$\mathrm{EllipticE}\left[\frac{\theta 3}{2}, -\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\right]\Bigg) \Big/ \left(\sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}\right) -$$

$$\Bigg(2 \left(r^2 + r2^2\right) \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}{r^2 - 2\, r\, r2 + r2^2}}\ \mathrm{EllipticF}\Big[\frac{\theta 3}{2},$$

$$-\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\Big]\Bigg) \Big/ \left(\sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}\right)\Bigg)\ \mathrm{Sin}[\lambda 2]\Bigg)\Bigg) -$$

$$\frac{1}{r^2 \left(r^2 - r2^2\right)}\ 72\, r2^5 \Bigg(\mathrm{Cos}[\lambda] \Bigg(-\frac{1}{2\, r\, r2}\ \mathrm{Cos}[\lambda 2] \Bigg(\Bigg(2 \left(r^2 - 2\, r\, r2 + r2^2\right)$$

$$\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}{r^2 - 2\, r\, r2 + r2^2}}\ \mathrm{EllipticE}\Big[\frac{\theta 3}{2},$$

$$-\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\Big]\Bigg) \Big/ \left(\sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}\right) -$$

$$\Bigg(2 \left(r^2 + r2^2\right) \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}{r^2 - 2\, r\, r2 + r2^2}}\ \mathrm{EllipticF}\Big[\frac{\theta 3}{2},$$

$$-\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\Big]\Bigg) \Big/ \left(\sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}\right)\Bigg) +$$

$$\Bigg(\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}{r^2 + r2^2}} \Bigg(-r^2 - r2^2 + r^2 \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}{r^2 + r2^2}} +$$

$$r2^2 \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}{r^2 + r2^2}}\Bigg)\ \mathrm{Sin}[\lambda 2]\Bigg) \Big/$$

$$\left(r\, r2 \sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 3]}\right)\Bigg) - \mathrm{Sin}[\lambda]$$

$$\left(\left(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}\left(-r^2-r2^2+r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}+\right.\right.\right.$$

$$\left.r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}\right)$$

$$\left.\mathrm{Cos}[\lambda 2]\right)\Big/\left(r\,r2\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\right)+$$

$$\frac{1}{2\,r\,r2}\left(\left(2\left(r^2-2\,r\,r2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r2+r2^2}}\right.\right.$$

$$\left.\mathrm{EllipticE}\left[\frac{\theta 3}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\right)-$$

$$\left(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r2+r2^2}}\,\mathrm{EllipticF}\left[\frac{\theta 3}{2},\right.\right.$$

$$\left.\left.\left.-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\right)\right)\mathrm{Sin}[\lambda 2]\right)\right)+$$

$$\frac{1}{r^2-r1^2}\,32\,r^2\,r1\left(\mathrm{Cos}[\lambda]\,(-1+2\,\mathrm{Cos}[2\,\lambda])\left(-\frac{1}{2\,r\,r1}\,\mathrm{Cos}[3\,\lambda 2]\right.\right.$$

$$\left(\left(2\left(r^2-2\,r\,r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r1+r1^2}}\,\mathrm{EllipticE}\right.\right.$$

$$\left.\left.\frac{\theta 3}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\right)-$$

$$\left(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r1+r1^2}}\,\mathrm{EllipticF}\left[\frac{\theta 3}{2},\right.\right.$$

$$\left.\left.\left.-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\right)\right)-$$

$$\left(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}\left(-r^2-r1^2+r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}+\right.\right.$$

$$\left.\left.r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}\right)(1+2\,\mathrm{Cos}[2\,\lambda 2])\,\mathrm{Sin}[\lambda 2]\right)\Big/$$

$$\left(r\, r1\, \sqrt{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 3]}\right)\Bigg) + (1 + 2\, \mathrm{Cos}[2\, \lambda])\, \mathrm{Sin}[\lambda]$$

$$\Bigg(\Bigg(\sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 3]}{r^2 + r1^2}}\, \Bigg(-r^2 - r1^2 + r^2\, \sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 3]}{r^2 + r1^2}} +$$

$$r1^2\, \sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 3]}{r^2 + r1^2}}\Bigg)\, \mathrm{Cos}[\lambda 2]$$

$$(-1 + 2\, \mathrm{Cos}[2\, \lambda 2])\Bigg) \Big/ \left(r\, r1\, \sqrt{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 3]}\right) -$$

$$\frac{1}{2\, r\, r1}\, \Bigg(\Bigg(2\, \left(r^2 - 2\, r\, r1 + r1^2\right)\, \sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 3]}{r^2 - 2\, r\, r1 + r1^2}}$$

$$\mathrm{EllipticE}\left[\frac{\theta 3}{2}, -\frac{4\, r\, r1}{r^2 - 2\, r\, r1 + r1^2}\right]\Bigg) \Big/ \left(\sqrt{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 3]}\right) -$$

$$\Bigg(2\, \left(r^2 + r1^2\right)\, \sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 3]}{r^2 - 2\, r\, r1 + r1^2}}\, \mathrm{EllipticF}\Big[\frac{\theta 3}{2},$$

$$-\frac{4\, r\, r1}{r^2 - 2\, r\, r1 + r1^2}\Big]\Bigg) \Big/ \left(\sqrt{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 3]}\right)\Bigg)\, \mathrm{Sin}[3\, \lambda 2]\Bigg)\Bigg) -$$

$$\frac{1}{r^2 - r1^2}\, 12\, r1^3\, \Bigg(\mathrm{Cos}[\lambda]\, (-1 + 2\, \mathrm{Cos}[2\, \lambda])\, \Bigg(-\frac{1}{2\, r\, r1}\, \mathrm{Cos}[3\, \lambda 2]$$

$$\Bigg(\Bigg(2\, \left(r^2 - 2\, r\, r1 + r1^2\right)\, \sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 3]}{r^2 - 2\, r\, r1 + r1^2}}\, \mathrm{EllipticE}\Big[$$

$$\frac{\theta 3}{2}, -\frac{4\, r\, r1}{r^2 - 2\, r\, r1 + r1^2}\Big]\Bigg) \Big/ \left(\sqrt{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 3]}\right) -$$

$$\Bigg(2\, \left(r^2 + r1^2\right)\, \sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 3]}{r^2 - 2\, r\, r1 + r1^2}}\, \mathrm{EllipticF}\Big[\frac{\theta 3}{2},$$

$$-\frac{4\, r\, r1}{r^2 - 2\, r\, r1 + r1^2}\Big]\Bigg) \Big/ \left(\sqrt{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 3]}\right)\Bigg) -$$

$$\Bigg(\sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 3]}{r^2 + r1^2}}\, \Bigg(-r^2 - r1^2 + r^2\, \sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 3]}{r^2 + r1^2}} +$$

$$r1^2 \sqrt{\frac{r^2 + r1^2 - 2\, r\, r1 \operatorname{Cos}[\theta 3]}{r^2 + r1^2}}\Bigg) (1 + 2 \operatorname{Cos}[2\, \lambda 2])\, \operatorname{Sin}[\lambda 2]\Bigg) \Big/$$

$$\left(r\, r1 \sqrt{r^2 + r1^2 - 2\, r\, r1 \operatorname{Cos}[\theta 3]}\right)\Bigg) + (1 + 2 \operatorname{Cos}[2\, \lambda])\, \operatorname{Sin}[\lambda]$$

$$\Bigg(\Bigg(\sqrt{\frac{r^2 + r1^2 - 2\, r\, r1 \operatorname{Cos}[\theta 3]}{r^2 + r1^2}} \Bigg(-r^2 - r1^2 + r^2 \sqrt{\frac{r^2 + r1^2 - 2\, r\, r1 \operatorname{Cos}[\theta 3]}{r^2 + r1^2}} +$$

$$r1^2 \sqrt{\frac{r^2 + r1^2 - 2\, r\, r1 \operatorname{Cos}[\theta 3]}{r^2 + r1^2}}\Bigg) \operatorname{Cos}[\lambda 2]$$

$$(-1 + 2 \operatorname{Cos}[2\, \lambda 2])\Bigg) \Big/ \left(r\, r1 \sqrt{r^2 + r1^2 - 2\, r\, r1 \operatorname{Cos}[\theta 3]}\right) -$$

$$\frac{1}{2\, r\, r1} \Bigg(\Bigg(2 \left(r^2 - 2\, r\, r1 + r1^2\right) \sqrt{\frac{r^2 + r1^2 - 2\, r\, r1 \operatorname{Cos}[\theta 3]}{r^2 - 2\, r\, r1 + r1^2}}$$

$$\operatorname{EllipticE}\left[\frac{\theta 3}{2}, -\frac{4\, r\, r1}{r^2 - 2\, r\, r1 + r1^2}\right]\Bigg) \Big/ \left(\sqrt{r^2 + r1^2 - 2\, r\, r1 \operatorname{Cos}[\theta 3]}\right) -$$

$$\Bigg(2 \left(r^2 + r1^2\right) \sqrt{\frac{r^2 + r1^2 - 2\, r\, r1 \operatorname{Cos}[\theta 3]}{r^2 - 2\, r\, r1 + r1^2}}\, \operatorname{EllipticF}\Big[\frac{\theta 3}{2},$$

$$-\frac{4\, r\, r1}{r^2 - 2\, r\, r1 + r1^2}\Big]\Bigg) \Big/ \left(\sqrt{r^2 + r1^2 - 2\, r\, r1 \operatorname{Cos}[\theta 3]}\right)\Bigg) \operatorname{Sin}[3\, \lambda 2]\Bigg)\Bigg) -$$

$$\frac{1}{r^2 \left(r^2 - r1^2\right)} 8\, r1^5 \Bigg(\operatorname{Cos}[\lambda]\, (-1 + 2 \operatorname{Cos}[2\, \lambda]) \Bigg(-\frac{1}{2\, r\, r1} \operatorname{Cos}[3\, \lambda 2]$$

$$\Bigg(\Bigg(2 \left(r^2 - 2\, r\, r1 + r1^2\right) \sqrt{\frac{r^2 + r1^2 - 2\, r\, r1 \operatorname{Cos}[\theta 3]}{r^2 - 2\, r\, r1 + r1^2}}\, \operatorname{EllipticE}\Big[$$

$$\frac{\theta 3}{2}, -\frac{4\, r\, r1}{r^2 - 2\, r\, r1 + r1^2}\Big]\Bigg) \Big/ \left(\sqrt{r^2 + r1^2 - 2\, r\, r1 \operatorname{Cos}[\theta 3]}\right) -$$

$$\Bigg(2 \left(r^2 + r1^2\right) \sqrt{\frac{r^2 + r1^2 - 2\, r\, r1 \operatorname{Cos}[\theta 3]}{r^2 - 2\, r\, r1 + r1^2}}\, \operatorname{EllipticF}\Big[\frac{\theta 3}{2},$$

$$-\frac{4\, r\, r1}{r^2 - 2\, r\, r1 + r1^2}\Big]\Bigg) \Big/ \left(\sqrt{r^2 + r1^2 - 2\, r\, r1 \operatorname{Cos}[\theta 3]}\right)\Bigg) -$$

$$\left(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}\left(-r^2-r1^2+r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}+\right.\right.$$

$$\left.r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}\right)(1+2\,\mathrm{Cos}[2\,\lambda 2])\,\mathrm{Sin}[\lambda 2]\Bigg)\Big/$$

$$\left.\left(r\,r1\,\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\right)\right)+(1+2\,\mathrm{Cos}[2\,\lambda])\,\mathrm{Sin}[\lambda]$$

$$\left(\left(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}\left(-r^2-r1^2+r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}+\right.\right.\right.$$

$$\left.r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}\right)\mathrm{Cos}[\lambda 2]$$

$$\left.(-1+2\,\mathrm{Cos}[2\,\lambda 2])\right)\Big/\left(r\,r1\,\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\right)-$$

$$\frac{1}{2\,r\,r1}\left(\left(2\left(r^2-2\,r\,r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r1+r1^2}}\right.\right.$$

$$\left.\mathrm{EllipticE}\left[\frac{\theta 3}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\right)-$$

$$\left(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r1+r1^2}}\,\mathrm{EllipticF}\left[\frac{\theta 3}{2},\right.\right.$$

$$\left.\left.\left.-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\right)\right)\mathrm{Sin}[3\,\lambda 2]\Bigg)\Bigg)+$$

$$\frac{1}{r^2-r1^2}\,32\,r^2\,r1\left(\mathrm{Cos}[\lambda]\,(-1+2\,\mathrm{Cos}[2\,\lambda])\left(-\frac{1}{2\,r\,r1}\,\mathrm{Cos}[3\,\lambda 2]\right.\right.$$

$$\left(\left(2\left(r^2-2\,r\,r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r1+r1^2}}\,\mathrm{EllipticE}\right.\right.$$

$$\left.\left.\frac{\theta 3}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\right)-$$

$$\left(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r1+r1^2}}\,\mathrm{EllipticF}\left[\frac{\theta 3}{2},\right.\right.$$

$$-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Big)\Big/\Big(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\Big)\Big)+$$

$$\Big(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}\,\Big(-r^2-r1^2+r^2\,\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}+$$

$$r1^2\,\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}\Big)\,(1+2\,\mathrm{Cos}[2\,\lambda 2])\,\mathrm{Sin}[\lambda 2]\Big)\Big/$$

$$\Big(r\,r1\,\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\Big)\Big)-(1+2\,\mathrm{Cos}[2\,\lambda])\,\mathrm{Sin}[\lambda]$$

$$\Big(\Big(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}\,\Big(-r^2-r1^2+r^2\,\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}+$$

$$r1^2\,\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}\Big)\,\mathrm{Cos}[\lambda 2]$$

$$(-1+2\,\mathrm{Cos}[2\,\lambda 2])\Big)\Big/\Big(r\,r1\,\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\Big)+$$

$$\frac{1}{2\,r\,r1}\Big(\Big(2\,(r^2-2\,r\,r1+r1^2)\,\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r1+r1^2}}$$

$$\mathrm{EllipticE}\Big[\frac{\theta 3}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Big)\Big/\Big(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\Big)-$$

$$\Big(2\,(r^2+r1^2)\,\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r1+r1^2}}\,\mathrm{EllipticF}\Big[\frac{\theta 3}{2},$$

$$-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Big)\Big/\Big(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\Big)\Big)\,\mathrm{Sin}[3\,\lambda 2]\Big)\Big)-$$

$$\frac{1}{r^2-r1^2}\,12\,r1^3\,\Big(\mathrm{Cos}[\lambda]\,(-1+2\,\mathrm{Cos}[2\,\lambda])\,\Big(-\frac{1}{2\,r\,r1}\,\mathrm{Cos}[3\,\lambda 2]$$

$$\Big(\Big(2\,(r^2-2\,r\,r1+r1^2)\,\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r1+r1^2}}\,\mathrm{EllipticE}\Big[$$

$$\frac{\theta 3}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Big)\Big/\Big(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\Big)-$$

$$\left(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticF}\left[\frac{\theta 3}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\right)\Bigg)+$$

$$\left(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}\left(-r^2-r1^2+r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}+r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}\right)(1+2\,\mathrm{Cos}[2\,\lambda 2])\,\mathrm{Sin}[\lambda 2]\right)\Big/$$

$$\left(r\,r1\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\right)\Bigg)-(1+2\,\mathrm{Cos}[2\,\lambda])\,\mathrm{Sin}[\lambda]$$

$$\left(\left(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}\left(-r^2-r1^2+r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}+r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2+r1^2}}\right)\mathrm{Cos}[\lambda 2]\right.\right.$$

$$\left.(-1+2\,\mathrm{Cos}[2\,\lambda 2])\right)\Big/\left(r\,r1\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\right)+$$

$$\frac{1}{2\,r\,r1}\left(\left(2\left(r^2-2\,r\,r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r1+r1^2}}\right.\right.$$

$$\left.\mathrm{EllipticE}\left[\frac{\theta 3}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\right)-$$

$$\left(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticF}\left[\frac{\theta 3}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\right)\Bigg)\,\mathrm{Sin}[3\,\lambda 2]\Bigg)\Bigg)-$$

$$\frac{1}{r^2\left(r^2-r1^2\right)}\,8\,r1^5\left(\mathrm{Cos}[\lambda]\,(-1+2\,\mathrm{Cos}[2\,\lambda])\left(-\frac{1}{2\,r\,r1}\,\mathrm{Cos}[3\,\lambda 2]\right.\right.$$

$$\left(\left(2\left(r^2-2\,r\,r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticE}\right[\right.$$

$$\frac{\theta 3}{2}, -\frac{4\, r\, r1}{r^2 - 2\, r\, r1 + r1^2}\Big]\Big) \Big/ \left(\sqrt{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 3]}\right) -$$

$$\left(2\left(r^2 + r1^2\right)\sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 3]}{r^2 - 2\, r\, r1 + r1^2}}\ \mathrm{EllipticF}\Big[\frac{\theta 3}{2},\right.$$

$$\left.-\frac{4\, r\, r1}{r^2 - 2\, r\, r1 + r1^2}\Big]\right) \Big/ \left(\sqrt{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 3]}\right)\Bigg) +$$

$$\left(\sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 3]}{r^2 + r1^2}}\left(-r^2 - r1^2 + r^2\sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 3]}{r^2 + r1^2}} +\right.\right.$$

$$\left.r1^2\sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 3]}{r^2 + r1^2}}\right)(1 + 2\, \mathrm{Cos}[2\, \lambda 2])\, \mathrm{Sin}[\lambda 2]\Big) \Big/$$

$$\left.\left(r\, r1\sqrt{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 3]}\right)\right) - (1 + 2\, \mathrm{Cos}[2\, \lambda])\, \mathrm{Sin}[\lambda]$$

$$\left(\left(\sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 3]}{r^2 + r1^2}}\left(-r^2 - r1^2 + r^2\sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 3]}{r^2 + r1^2}} +\right.\right.\right.$$

$$\left.r1^2\sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 3]}{r^2 + r1^2}}\right)\mathrm{Cos}[\lambda 2]$$

$$\left.(-1 + 2\, \mathrm{Cos}[2\, \lambda 2])\right) \Big/ \left(r\, r1\sqrt{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 3]}\right) +$$

$$\frac{1}{2\, r\, r1}\left(\left(2\left(r^2 - 2\, r\, r1 + r1^2\right)\sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 3]}{r^2 - 2\, r\, r1 + r1^2}}\right.\right.$$

$$\mathrm{EllipticE}\Big[\frac{\theta 3}{2}, -\frac{4\, r\, r1}{r^2 - 2\, r\, r1 + r1^2}\Big]\Big) \Big/ \left(\sqrt{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 3]}\right) -$$

$$\left(2\left(r^2 + r1^2\right)\sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 3]}{r^2 - 2\, r\, r1 + r1^2}}\ \mathrm{EllipticF}\Big[\frac{\theta 3}{2},\right.$$

$$\left.\left.-\frac{4\, r\, r1}{r^2 - 2\, r\, r1 + r1^2}\Big]\right) \Big/ \left(\sqrt{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 3]}\right)\right)\mathrm{Sin}[3\, \lambda 2]\right)\Bigg) -$$

$$\frac{1}{r^2 - r2^2}\, 32\, r^2\, r2\left(\mathrm{Cos}[\lambda]\,(-1 + 2\, \mathrm{Cos}[2\, \lambda])\left(-\frac{1}{2\, r\, r2}\, \mathrm{Cos}[3\, \lambda 2]\right.\right.$$

$$\left(\left(2\left(r^2-2\,r\,r2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticE}\left[\frac{\theta 3}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\right)-\left(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticF}\left[\frac{\theta 3}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\right)\right)-\left(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}\left(-r^2-r2^2+r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}+r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}\right)(1+2\,\mathrm{Cos}[2\,\lambda 2])\,\mathrm{Sin}[\lambda 2]\right)\Big/\left(r\,r2\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\right)\right)+(1+2\,\mathrm{Cos}[2\,\lambda])\,\mathrm{Sin}[\lambda]$$

$$\left(\left(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}\left(-r^2-r2^2+r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}+r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}\right)\mathrm{Cos}[\lambda 2]\,(-1+2\,\mathrm{Cos}[2\,\lambda 2])\right)\Big/\left(r\,r2\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\right)-\frac{1}{2\,r\,r2}\left(\left(2\left(r^2-2\,r\,r2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticE}\left[\frac{\theta 3}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\right)-\left(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticF}\left[\frac{\theta 3}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\right)\right)\mathrm{Sin}[3\,\lambda 2]\right)\right)+$$

$$\frac{1}{r^2 - r2^2}\, 12\, r2^3 \left(\mathrm{Cos}[\lambda]\ (-1 + 2\,\mathrm{Cos}[2\,\lambda])\ \left(-\frac{1}{2\,r\,r2}\,\mathrm{Cos}[3\,\lambda 2]\right.\right.$$

$$\left(\left(2\left(r^2 - 2\,r\,r2 + r2^2\right)\sqrt{\frac{r^2 + r2^2 - 2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2 - 2\,r\,r2 + r2^2}}\ \mathrm{EllipticE}\Big[\right.\right.$$

$$\left.\frac{\theta 3}{2},\ -\frac{4\,r\,r2}{r^2 - 2\,r\,r2 + r2^2}\Big]\right) \Big/ \left(\sqrt{r^2 + r2^2 - 2\,r\,r2\,\mathrm{Cos}[\theta 3]}\right) -$$

$$\left(2\left(r^2 + r2^2\right)\sqrt{\frac{r^2 + r2^2 - 2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2 - 2\,r\,r2 + r2^2}}\ \mathrm{EllipticF}\Big[\frac{\theta 3}{2},\right.$$

$$\left.-\frac{4\,r\,r2}{r^2 - 2\,r\,r2 + r2^2}\Big]\right) \Big/ \left(\sqrt{r^2 + r2^2 - 2\,r\,r2\,\mathrm{Cos}[\theta 3]}\right)\Bigg) -$$

$$\left(\sqrt{\frac{r^2 + r2^2 - 2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2 + r2^2}}\ \left(-r^2 - r2^2 + r^2\sqrt{\frac{r^2 + r2^2 - 2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2 + r2^2}} +\right.\right.$$

$$\left.r2^2\sqrt{\frac{r^2 + r2^2 - 2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2 + r2^2}}\right)\ (1 + 2\,\mathrm{Cos}[2\,\lambda 2])\ \mathrm{Sin}[\lambda 2]\Bigg) \Big/$$

$$\left(r\,r2\,\sqrt{r^2 + r2^2 - 2\,r\,r2\,\mathrm{Cos}[\theta 3]}\right)\Bigg) + (1 + 2\,\mathrm{Cos}[2\,\lambda])\ \mathrm{Sin}[\lambda]$$

$$\left(\left(\sqrt{\frac{r^2 + r2^2 - 2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2 + r2^2}}\ \left(-r^2 - r2^2 + r^2\sqrt{\frac{r^2 + r2^2 - 2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2 + r2^2}} +\right.\right.\right.$$

$$\left.r2^2\sqrt{\frac{r^2 + r2^2 - 2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2 + r2^2}}\right)\ \mathrm{Cos}[\lambda 2]$$

$$\left.(-1 + 2\,\mathrm{Cos}[2\,\lambda 2])\right) \Big/ \left(r\,r2\,\sqrt{r^2 + r2^2 - 2\,r\,r2\,\mathrm{Cos}[\theta 3]}\right) -$$

$$\frac{1}{2\,r\,r2}\left(\left(2\left(r^2 - 2\,r\,r2 + r2^2\right)\sqrt{\frac{r^2 + r2^2 - 2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2 - 2\,r\,r2 + r2^2}}\right.\right.$$

$$\left.\mathrm{EllipticE}\Big[\frac{\theta 3}{2},\ -\frac{4\,r\,r2}{r^2 - 2\,r\,r2 + r2^2}\Big]\right) \Big/ \left(\sqrt{r^2 + r2^2 - 2\,r\,r2\,\mathrm{Cos}[\theta 3]}\right) -$$

$$\left(2\left(r^2 + r2^2\right)\sqrt{\frac{r^2 + r2^2 - 2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2 - 2\,r\,r2 + r2^2}}\ \mathrm{EllipticF}\Big[\frac{\theta 3}{2},\right.$$

$$-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\Big)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\right)\Big)\,\mathrm{Sin}[3\,\lambda 2]\Big)\Big)+$$

$$\frac{1}{r^2\left(r^2-r2^2\right)}\,8\,r2^5\Big(\mathrm{Cos}[\lambda]\,(-1+2\,\mathrm{Cos}[2\,\lambda])\Big(-\frac{1}{2\,r\,r2}\,\mathrm{Cos}[3\,\lambda 2]$$

$$\Big(\Big(2\left(r^2-2\,r\,r2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r2+r2^2}}\,\mathrm{EllipticE}\Big[$$

$$\frac{\theta 3}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\Big)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\right)-$$

$$\Big(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r2+r2^2}}\,\mathrm{EllipticF}\Big[\frac{\theta 3}{2},$$

$$-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\Big)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\right)\Big)-$$

$$\Big(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}\Big(-r^2-r2^2+r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}+$$

$$r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}\Big)\,(1+2\,\mathrm{Cos}[2\,\lambda 2])\,\mathrm{Sin}[\lambda 2]\Big)\Big/$$

$$\left(r\,r2\,\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\right)\Big)+(1+2\,\mathrm{Cos}[2\,\lambda])\,\mathrm{Sin}[\lambda]$$

$$\Big(\Big(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}\Big(-r^2-r2^2+r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}+$$

$$r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}\Big)\,\mathrm{Cos}[\lambda 2]$$

$$(-1+2\,\mathrm{Cos}[2\,\lambda 2])\Big)\Big/\left(r\,r2\,\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\right)-$$

$$\frac{1}{2\,r\,r2}\Big(\Big(2\left(r^2-2\,r\,r2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r2+r2^2}}$$

$$\mathrm{EllipticE}\Big[\frac{\theta 3}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\Big)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\right)-$$

$$\left(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticF}\left[\frac{\theta 3}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\right)\Bigg)\,\mathrm{Sin}[3\,\lambda 2]\Bigg)\Bigg)-$$

$$\frac{1}{r^2-r2^2}\,32\,r^2\,r2\Bigg(\mathrm{Cos}[\lambda]\,(-1+2\,\mathrm{Cos}[2\,\lambda])\Bigg(-\frac{1}{2\,r\,r2}\,\mathrm{Cos}[3\,\lambda 2]$$

$$\Bigg(\Bigg(2\left(r^2-2\,r\,r2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticE}\Big[$$

$$\frac{\theta 3}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\Bigg)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\right)-$$

$$\left(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticF}\left[\frac{\theta 3}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\right)\Bigg)+$$

$$\left(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}\left(-r^2-r2^2+r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}+\right.\right.$$

$$\left.r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}\right)(1+2\,\mathrm{Cos}[2\,\lambda 2])\,\mathrm{Sin}[\lambda 2]\Big)\Big/$$

$$\left(r\,r2\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\right)\Bigg)-(1+2\,\mathrm{Cos}[2\,\lambda])\,\mathrm{Sin}[\lambda]$$

$$\Bigg(\Bigg(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}\left(-r^2-r2^2+r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}+\right.$$

$$\left.r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2+r2^2}}\right)\mathrm{Cos}[\lambda 2]$$

$$(-1+2\,\mathrm{Cos}[2\,\lambda 2])\Bigg)\Big/\left(r\,r2\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\right)+$$

$$\frac{1}{2\,r\,r2}\Bigg(\Bigg(2\left(r^2-2\,r\,r2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r2+r2^2}}$$

$$\text{EllipticE}\left[\frac{\theta 3}{2}, -\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\right]\Bigg) \Big/ \left(\sqrt{r^2 + r2^2 - 2\, r\, r2\, \text{Cos}[\theta 3]}\right) -$$

$$\left(2\left(r^2 + r2^2\right)\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \text{Cos}[\theta 3]}{r^2 - 2\, r\, r2 + r2^2}}\ \text{EllipticF}\left[\frac{\theta 3}{2},\right.\right.$$

$$\left.\left.\left. -\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\right]\right) \Big/ \left(\sqrt{r^2 + r2^2 - 2\, r\, r2\, \text{Cos}[\theta 3]}\right)\right) \text{Sin}[3\, \lambda 2]\Bigg)\Bigg) +$$

$$\frac{1}{r^2 - r2^2}\, 12\, r2^3 \Bigg(\text{Cos}[\lambda]\ (-1 + 2\, \text{Cos}[2\, \lambda])\ \Bigg(-\frac{1}{2\, r\, r2}\, \text{Cos}[3\, \lambda 2]$$

$$\Bigg(\Bigg(2\left(r^2 - 2\, r\, r2 + r2^2\right)\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \text{Cos}[\theta 3]}{r^2 - 2\, r\, r2 + r2^2}}\ \text{EllipticE}\Big[$$

$$\frac{\theta 3}{2}, -\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\Big]\Bigg) \Big/ \left(\sqrt{r^2 + r2^2 - 2\, r\, r2\, \text{Cos}[\theta 3]}\right) -$$

$$\left(2\left(r^2 + r2^2\right)\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \text{Cos}[\theta 3]}{r^2 - 2\, r\, r2 + r2^2}}\ \text{EllipticF}\left[\frac{\theta 3}{2},\right.\right.$$

$$\left.\left.\left. -\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\right]\right) \Big/ \left(\sqrt{r^2 + r2^2 - 2\, r\, r2\, \text{Cos}[\theta 3]}\right)\right) +$$

$$\Bigg(\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \text{Cos}[\theta 3]}{r^2 + r2^2}}\ \Bigg(-r^2 - r2^2 + r^2\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \text{Cos}[\theta 3]}{r^2 + r2^2}} +$$

$$r2^2\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \text{Cos}[\theta 3]}{r^2 + r2^2}}\Bigg)\ (1 + 2\, \text{Cos}[2\, \lambda 2])\ \text{Sin}[\lambda 2]\Bigg) \Big/$$

$$\left(r\, r2\sqrt{r^2 + r2^2 - 2\, r\, r2\, \text{Cos}[\theta 3]}\right)\Bigg) - (1 + 2\, \text{Cos}[2\, \lambda])\ \text{Sin}[\lambda]$$

$$\Bigg(\Bigg(\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \text{Cos}[\theta 3]}{r^2 + r2^2}}\ \Bigg(-r^2 - r2^2 + r^2\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \text{Cos}[\theta 3]}{r^2 + r2^2}} +$$

$$r2^2\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \text{Cos}[\theta 3]}{r^2 + r2^2}}\Bigg)\ \text{Cos}[\lambda 2]$$

$$(-1 + 2\, \text{Cos}[2\, \lambda 2])\Bigg) \Big/ \left(r\, r2\sqrt{r^2 + r2^2 - 2\, r\, r2\, \text{Cos}[\theta 3]}\right) +$$

$$\frac{1}{2\,r\,r2}\left(\left(2\left(r^2-2\,r\,r2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta3]}{r^2-2\,r\,r2+r2^2}}\right.\right.$$

$$\left.\mathrm{EllipticE}\left[\frac{\theta3}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta3]}\right)-$$

$$\left(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta3]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticF}\left[\frac{\theta3}{2},\right.\right.$$

$$\left.\left.\left.-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta3]}\right)\right)\mathrm{Sin}[3\,\lambda2]\right)\Bigg)+$$

$$\frac{1}{r^2\left(r^2-r2^2\right)}\,8\,r2^5\left(\mathrm{Cos}[\lambda]\,(-1+2\,\mathrm{Cos}[2\,\lambda])\left(-\frac{1}{2\,r\,r2}\,\mathrm{Cos}[3\,\lambda2]\right.\right.$$

$$\left(\left(2\left(r^2-2\,r\,r2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta3]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticE}\right.\right.$$

$$\left.\left.\frac{\theta3}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta3]}\right)-$$

$$\left(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta3]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticF}\left[\frac{\theta3}{2},\right.\right.$$

$$\left.\left.\left.-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta3]}\right)\right)+$$

$$\left(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta3]}{r^2+r2^2}}\left(-r^2-r2^2+r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta3]}{r^2+r2^2}}+\right.\right.$$

$$\left.\left.r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta3]}{r^2+r2^2}}\right)(1+2\,\mathrm{Cos}[2\,\lambda2])\,\mathrm{Sin}[\lambda2]\right)\Big/$$

$$\left.\left(r\,r2\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta3]}\right)\right)-(1+2\,\mathrm{Cos}[2\,\lambda])\,\mathrm{Sin}[\lambda]$$

$$\left(\left(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta3]}{r^2+r2^2}}\left(-r^2-r2^2+r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta3]}{r^2+r2^2}}+\right.\right.\right.$$

$$\left.r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta3]}{r^2+r2^2}}\right)\mathrm{Cos}[\lambda2]$$

$$(-1+2\,\mathrm{Cos}[2\,\lambda 2])\Big)\Big/\left(r\,r2\,\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\right)+$$

$$\frac{1}{2\,r\,r2}\left(\left(2\left(r^2-2\,r\,r2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r2+r2^2}}\right.\right.$$

$$\mathrm{EllipticE}\left[\frac{\theta 3}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\Big)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\right)-$$

$$\left(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticF}\left[\frac{\theta 3}{2},\right.\right.$$

$$\left.\left.\left.-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\Big)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\right)\right)\mathrm{Sin}[3\,\lambda 2]\right)\Bigg)+$$

$$\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\left(\frac{1}{r^2-r1^2}\,32\,(2\,r1\,\mathrm{Cos}[3\,\lambda-3\,\lambda 1]+\right.$$

$$r\,\mathrm{Cos}[\theta 3+3\,\lambda-3\,\lambda 1]+r\,\mathrm{Cos}[\theta 3-3\,\lambda+3\,\lambda 1]-2\,r1\,\mathrm{Cos}[3\,\lambda-3\,\lambda 2]-$$

$$r\,\mathrm{Cos}[\theta 3+3\,\lambda-3\,\lambda 2]-r\,\mathrm{Cos}[\theta 3-3\,\lambda+3\,\lambda 2])$$

$$\mathrm{Csc}[\theta 3]+\frac{1}{r^2\left(r^2-r1^2\right)\left(-r^2-r1^2+2\,r\,r1\,\mathrm{Cos}[\theta 3]\right)}$$

$$2\left(15\,r^2\,r1^3\,\mathrm{Sin}[\theta 3+3\,\lambda-3\,\lambda 1]+5\,r1^5\,\mathrm{Sin}[\theta 3+3\,\lambda-3\,\lambda 1]+\right.$$

$$9\,r^2\,r1^3\,\mathrm{Sin}[\theta 3+\lambda-\lambda 1]-45\,r1^5\,\mathrm{Sin}[\theta 3+\lambda-\lambda 1]+$$

$$9\,r^2\,r1^3\,\mathrm{Sin}[\theta 3-\lambda+\lambda 1]-45\,r1^5\,\mathrm{Sin}[\theta 3-\lambda+\lambda 1]+$$

$$15\,r^2\,r1^3\,\mathrm{Sin}[\theta 3-3\,\lambda+3\,\lambda 1]+5\,r1^5\,\mathrm{Sin}[\theta 3-3\,\lambda+3\,\lambda 1]-$$

$$15\,r^2\,r1^3\,\mathrm{Sin}[\theta 3+3\,\lambda-3\,\lambda 2]-5\,r1^5\,\mathrm{Sin}[\theta 3+3\,\lambda-3\,\lambda 2]-$$

$$9\,r^2\,r1^3\,\mathrm{Sin}[\theta 3+\lambda-\lambda 2]+45\,r1^5\,\mathrm{Sin}[\theta 3+\lambda-\lambda 2]-$$

$$9\,r^2\,r1^3\,\mathrm{Sin}[\theta 3-\lambda+\lambda 2]+45\,r1^5\,\mathrm{Sin}[\theta 3-\lambda+\lambda 2]-$$

$$\left.15\,r^2\,r1^3\,\mathrm{Sin}[\theta 3-3\,\lambda+3\,\lambda 2]-5\,r1^5\,\mathrm{Sin}[\theta 3-3\,\lambda+3\,\lambda 2]\right)+$$

$$\frac{1}{r^2\left(-r^2-r1^2+2\,r\,r1\,\mathrm{Cos}[\theta 3]\right)^2}\,2\left(r^2\,r1^3\,\mathrm{Sin}[\theta 3+3\,\lambda-3\,\lambda 1]-\right.$$

$$r1^5\,\mathrm{Sin}[\theta 3+3\,\lambda-3\,\lambda 1]-9\,r^2\,r1^3\,\mathrm{Sin}[\theta 3+\lambda-\lambda 1]+$$

$$9\,r1^5\,\mathrm{Sin}[\theta 3+\lambda-\lambda 1]-9\,r^2\,r1^3\,\mathrm{Sin}[\theta 3-\lambda+\lambda 1]+$$

$$9\,r1^5\,\mathrm{Sin}[\theta 3-\lambda+\lambda 1]+r^2\,r1^3\,\mathrm{Sin}[\theta 3-3\,\lambda+3\,\lambda 1]-$$

$$r1^5\,\mathrm{Sin}[\theta 3-3\,\lambda+3\,\lambda 1]-r^2\,r1^3\,\mathrm{Sin}[\theta 3+3\,\lambda-3\,\lambda 2]+$$

$$r1^5\,\mathrm{Sin}[\theta 3+3\,\lambda-3\,\lambda 2]+9\,r^2\,r1^3\,\mathrm{Sin}[\theta 3+\lambda-\lambda 2]-$$

$$9\,r1^5\,\mathrm{Sin}[\theta 3+\lambda-\lambda 2]+9\,r^2\,r1^3\,\mathrm{Sin}[\theta 3-\lambda+\lambda 2]-9\,r1^5\,\mathrm{Sin}[\theta 3-\lambda+\lambda 2]-$$

$$\left.\left.r^2\,r1^3\,\mathrm{Sin}[\theta 3-3\,\lambda+3\,\lambda 2]+r1^5\,\mathrm{Sin}[\theta 3-3\,\lambda+3\,\lambda 2]\right)\right)+$$

$$\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\left(-\frac{1}{r^2-r2^2}\,32\,(2\,r2\,\mathrm{Cos}[3\,\lambda-3\,\lambda 1]+\right.$$

$$r\,\mathrm{Cos}[\theta 3+3\,\lambda-3\,\lambda 1]+r\,\mathrm{Cos}[\theta 3-3\,\lambda+3\,\lambda 1]-2\,r2\,\mathrm{Cos}[3\,\lambda-3\,\lambda 2]-$$

```
        r Cos[θ3 + 3 λ - 3 λ2] - r Cos[θ3 - 3 λ + 3 λ2])
    Csc[θ3] - 1/(r^2 (r^2 - r2^2) (-r^2 - r2^2 + 2 r r2 Cos[θ3]))
  2 (15 r^2 r2^3 Sin[θ3 + 3 λ - 3 λ1] + 5 r2^5 Sin[θ3 + 3 λ - 3 λ1] +
     9 r^2 r2^3 Sin[θ3 + λ - λ1] - 45 r2^5 Sin[θ3 + λ - λ1] +
     9 r^2 r2^3 Sin[θ3 - λ + λ1] - 45 r2^5 Sin[θ3 - λ + λ1] +
     15 r^2 r2^3 Sin[θ3 - 3 λ + 3 λ1] + 5 r2^5 Sin[θ3 - 3 λ + 3 λ1] -
     15 r^2 r2^3 Sin[θ3 + 3 λ - 3 λ2] - 5 r2^5 Sin[θ3 + 3 λ - 3 λ2] -
     9 r^2 r2^3 Sin[θ3 + λ - λ2] + 45 r2^5 Sin[θ3 + λ - λ2] -
     9 r^2 r2^3 Sin[θ3 - λ + λ2] + 45 r2^5 Sin[θ3 - λ + λ2] -
     15 r^2 r2^3 Sin[θ3 - 3 λ + 3 λ2] - 5 r2^5 Sin[θ3 - 3 λ + 3 λ2]) -
  1/(r^2 (-r^2 - r2^2 + 2 r r2 Cos[θ3])^2) 2 (r^2 r2^3 Sin[θ3 + 3 λ - 3 λ1] -
     r2^5 Sin[θ3 + 3 λ - 3 λ1] - 9 r^2 r2^3 Sin[θ3 + λ - λ1] +
     9 r2^5 Sin[θ3 + λ - λ1] - 9 r^2 r2^3 Sin[θ3 - λ + λ1] +
     9 r2^5 Sin[θ3 - λ + λ1] + r^2 r2^3 Sin[θ3 - 3 λ + 3 λ1] -
     r2^5 Sin[θ3 - 3 λ + 3 λ1] - r^2 r2^3 Sin[θ3 + 3 λ - 3 λ2] +
     r2^5 Sin[θ3 + 3 λ - 3 λ2] + 9 r^2 r2^3 Sin[θ3 + λ - λ2] -
     9 r2^5 Sin[θ3 + λ - λ2] + 9 r^2 r2^3 Sin[θ3 - λ + λ2] - 9 r2^5 Sin[θ3 - λ + λ2] -
     r^2 r2^3 Sin[θ3 - 3 λ + 3 λ2] + r2^5 Sin[θ3 - 3 λ + 3 λ2]))))
```

```
In[•]:= G * rho * (Vyyyθ3[θ2] - Vyyyθ3[θ1])
In[•]:= Vyyy[λ1_, λ2_, θ1_, θ2_] :=
  G rho (-1/(96 r) (((64 r r1^2 Sqrt[(r^2 + r1^2 - 2 r r1 Cos[θ1])/(r^2 - 2 r r1 + r1^2)] Cos[3 λ - 3 λ1] EllipticF[θ1/2,
        -(4 r r1)/(r^2 - 2 r r1 + r1^2)]) / ((r^2 - r1^2) Sqrt[r^2 + r1^2 - 2 r r1 Cos[θ1]]) -
      (16 r1^4 Sqrt[(r^2 + r1^2 - 2 r r1 Cos[θ1])/(r^2 - 2 r r1 + r1^2)] Cos[3 λ - 3 λ1] EllipticF[θ1/2,
        -(4 r r1)/(r^2 - 2 r r1 + r1^2)]) / (r (r^2 - r1^2) Sqrt[r^2 + r1^2 - 2 r r1 Cos[θ1]]) +
      (144 r1^4 Sqrt[(r^2 + r1^2 - 2 r r1 Cos[θ1])/(r^2 - 2 r r1 + r1^2)] Cos[λ - λ1] EllipticF[θ1/2,
        -(4 r r1)/(r^2 - 2 r r1 + r1^2)]) / (r (r^2 - r1^2) Sqrt[r^2 + r1^2 - 2 r r1 Cos[θ1]]) -
```

$$\left(64\, r\, r1^2 \sqrt{\frac{r^2+r1^2-2\, r\, r1\, \mathrm{Cos}[\theta 1]}{r^2-2\, r\, r1+r1^2}}\ \mathrm{Cos}[3\,\lambda-3\,\lambda 2]\ \mathrm{EllipticF}\left[\frac{\theta 1}{2},\right.\right.$$

$$\left.\left.-\frac{4\, r\, r1}{r^2-2\, r\, r1+r1^2}\right]\right)\Big/\left(\left(r^2-r1^2\right)\sqrt{r^2+r1^2-2\, r\, r1\, \mathrm{Cos}[\theta 1]}\right)+$$

$$\left(16\, r1^4 \sqrt{\frac{r^2+r1^2-2\, r\, r1\, \mathrm{Cos}[\theta 1]}{r^2-2\, r\, r1+r1^2}}\ \mathrm{Cos}[3\,\lambda-3\,\lambda 2]\ \mathrm{EllipticF}\left[\frac{\theta 1}{2},\right.\right.$$

$$\left.\left.-\frac{4\, r\, r1}{r^2-2\, r\, r1+r1^2}\right]\right)\Big/\left(r\left(r^2-r1^2\right)\sqrt{r^2+r1^2-2\, r\, r1\, \mathrm{Cos}[\theta 1]}\right)-$$

$$\left(144\, r1^4 \sqrt{\frac{r^2+r1^2-2\, r\, r1\, \mathrm{Cos}[\theta 1]}{r^2-2\, r\, r1+r1^2}}\ \mathrm{Cos}[\lambda-\lambda 2]\ \mathrm{EllipticF}\left[\frac{\theta 1}{2},\right.\right.$$

$$\left.\left.-\frac{4\, r\, r1}{r^2-2\, r\, r1+r1^2}\right]\right)\Big/\left(r\left(r^2-r1^2\right)\sqrt{r^2+r1^2-2\, r\, r1\, \mathrm{Cos}[\theta 1]}\right)-$$

$$\left(64\, r\, r2^2 \sqrt{\frac{r^2+r2^2-2\, r\, r2\, \mathrm{Cos}[\theta 1]}{r^2-2\, r\, r2+r2^2}}\ \mathrm{Cos}[3\,\lambda-3\,\lambda 1]\ \mathrm{EllipticF}\left[\frac{\theta 1}{2},\right.\right.$$

$$\left.\left.-\frac{4\, r\, r2}{r^2-2\, r\, r2+r2^2}\right]\right)\Big/\left(\left(r^2-r2^2\right)\sqrt{r^2+r2^2-2\, r\, r2\, \mathrm{Cos}[\theta 1]}\right)+$$

$$\left(16\, r2^4 \sqrt{\frac{r^2+r2^2-2\, r\, r2\, \mathrm{Cos}[\theta 1]}{r^2-2\, r\, r2+r2^2}}\ \mathrm{Cos}[3\,\lambda-3\,\lambda 1]\ \mathrm{EllipticF}\left[\frac{\theta 1}{2},\right.\right.$$

$$\left.\left.-\frac{4\, r\, r2}{r^2-2\, r\, r2+r2^2}\right]\right)\Big/\left(r\left(r^2-r2^2\right)\sqrt{r^2+r2^2-2\, r\, r2\, \mathrm{Cos}[\theta 1]}\right)-$$

$$\left(144\, r2^4 \sqrt{\frac{r^2+r2^2-2\, r\, r2\, \mathrm{Cos}[\theta 1]}{r^2-2\, r\, r2+r2^2}}\ \mathrm{Cos}[\lambda-\lambda 1]\ \mathrm{EllipticF}\left[\frac{\theta 1}{2},\right.\right.$$

$$\left.\left.-\frac{4\, r\, r2}{r^2-2\, r\, r2+r2^2}\right]\right)\Big/\left(r\left(r^2-r2^2\right)\sqrt{r^2+r2^2-2\, r\, r2\, \mathrm{Cos}[\theta 1]}\right)+$$

$$\left(64\, r\, r2^2 \sqrt{\frac{r^2+r2^2-2\, r\, r2\, \mathrm{Cos}[\theta 1]}{r^2-2\, r\, r2+r2^2}}\ \mathrm{Cos}[3\,\lambda-3\,\lambda 2]\ \mathrm{EllipticF}\left[\frac{\theta 1}{2},\right.\right.$$

$$\left.\left.-\frac{4\, r\, r2}{r^2-2\, r\, r2+r2^2}\right]\right)\Big/\left(\left(r^2-r2^2\right)\sqrt{r^2+r2^2-2\, r\, r2\, \mathrm{Cos}[\theta 1]}\right)-$$

$$\left(16\, r2^4 \sqrt{\frac{r^2+r2^2-2\, r\, r2\, \mathrm{Cos}[\theta 1]}{r^2-2\, r\, r2+r2^2}}\ \mathrm{Cos}[3\,\lambda-3\,\lambda 2]\ \mathrm{EllipticF}\left[\frac{\theta 1}{2},\right.\right.$$

$$\left.\left.-\frac{4\, r\, r2}{r^2-2\, r\, r2+r2^2}\right]\right)\Big/\left(r\left(r^2-r2^2\right)\sqrt{r^2+r2^2-2\, r\, r2\, \mathrm{Cos}[\theta 1]}\right)+$$

$$\left(144\, r2^4 \sqrt{\frac{r^2+r2^2-2\, r\, r2\, \mathrm{Cos}[\theta 1]}{r^2-2\, r\, r2+r2^2}}\ \mathrm{Cos}[\lambda-\lambda 2]\ \mathrm{EllipticF}\left[\frac{\theta 1}{2},\right.\right.$$

$$\left.\left.-\frac{4\, r\, r2}{r^2-2\, r\, r2+r2^2}\right]\right)\Big/\left(r\left(r^2-r2^2\right)\sqrt{r^2+r2^2-2\, r\, r2\, \mathrm{Cos}[\theta 1]}\right)+$$

$$\frac{1}{r^2-r1^2}\ 36\, r1^3\left(\mathrm{Cos}[\lambda]\left(-\frac{1}{2\, r\, r1}\ \mathrm{Cos}[\lambda 1]\left(\left(2\left(r^2-2\, r\, r1+r1^2\right)\right.\right.\right.\right.$$

$$\sqrt{\frac{r^2+r1^2-2\, r\, r1\, \mathrm{Cos}[\theta 1]}{r^2-2\, r\, r1+r1^2}}\ \mathrm{EllipticE}\left[\frac{\theta 1}{2},\right.$$

$$\left.\left.-\frac{4\, r\, r1}{r^2-2\, r\, r1+r1^2}\right]\right)\Big/\left(\sqrt{r^2+r1^2-2\, r\, r1\, \mathrm{Cos}[\theta 1]}\right)-$$

$$\left(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\, r\, r1\, \mathrm{Cos}[\theta 1]}{r^2-2\, r\, r1+r1^2}}\ \mathrm{EllipticF}\left[\frac{\theta 1}{2},\right.\right.$$

$$\left.\left.-\frac{4\, r\, r1}{r^2-2\, r\, r1+r1^2}\right]\right)\Big/\left(\sqrt{r^2+r1^2-2\, r\, r1\, \mathrm{Cos}[\theta 1]}\right)\Bigg)-$$

$$\left(\sqrt{\frac{r^2+r1^2-2\, r\, r1\, \mathrm{Cos}[\theta 1]}{r^2+r1^2}}\left(-r^2-r1^2+r^2\sqrt{\frac{r^2+r1^2-2\, r\, r1\, \mathrm{Cos}[\theta 1]}{r^2+r1^2}}+\right.\right.$$

$$\left.r1^2\sqrt{\frac{r^2+r1^2-2\, r\, r1\, \mathrm{Cos}[\theta 1]}{r^2+r1^2}}\right)$$

$$\left.\mathrm{Sin}[\lambda 1]\right)\Big/\left(r\, r1\sqrt{r^2+r1^2-2\, r\, r1\, \mathrm{Cos}[\theta 1]}\right)\Bigg)+$$

$$\mathrm{Sin}[\lambda]\left(\left(\sqrt{\frac{r^2+r1^2-2\, r\, r1\, \mathrm{Cos}[\theta 1]}{r^2+r1^2}}\left(-r^2-r1^2+r^2\right.\right.\right.$$

$$\left.\left.\sqrt{\frac{r^2+r1^2-2\, r\, r1\, \mathrm{Cos}[\theta 1]}{r^2+r1^2}}+r1^2\sqrt{\frac{r^2+r1^2-2\, r\, r1\, \mathrm{Cos}[\theta 1]}{r^2+r1^2}}\right)\right.$$

$$\text{Cos}[\lambda 1]\Big)\Big/\left(r\,r1\,\sqrt{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 1]}\right)-\frac{1}{2\,r\,r1}$$

$$\left(\left(2\left(r^2-2\,r\,r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 1]}{r^2-2\,r\,r1+r1^2}}\;\text{EllipticE}\Big[\frac{\theta 1}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 1]}\right)-\left(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 1]}{r^2-2\,r\,r1+r1^2}}\;\text{EllipticF}\Big[\frac{\theta 1}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 1]}\right)\right)$$

$$\text{Sin}[\lambda 1]\Big)\Big)-\frac{1}{r^2\left(r^2-r1^2\right)}\,72\,r1^5\left(\text{Cos}[\lambda]\left(-\frac{1}{2\,r\,r1}\,\text{Cos}[\lambda 1]\right.\right.$$

$$\left(\left(2\left(r^2-2\,r\,r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 1]}{r^2-2\,r\,r1+r1^2}}\;\text{EllipticE}\Big[\frac{\theta 1}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 1]}\right)-\left(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 1]}{r^2-2\,r\,r1+r1^2}}\;\text{EllipticF}\Big[\frac{\theta 1}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 1]}\right)\right)-$$

$$\left(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 1]}{r^2+r1^2}}\left(-r^2-r1^2+r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 1]}{r^2+r1^2}}+r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 1]}{r^2+r1^2}}\right)\right.$$

$$\text{Sin}[\lambda 1]\Big)\Big/\left(r\,r1\,\sqrt{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 1]}\right)\Big)+$$

$$\text{Sin}[\lambda]\left(\left(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 1]}{r^2+r1^2}}\left(-r^2-r1^2+r^2\right.\right.\right.$$

$$\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2+r1^2}}+r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2+r1^2}}\Bigg)$$

$$\mathrm{Cos}[\lambda 1]\Bigg)\Big/\left(r\,r1\,\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}\right)-\frac{1}{2\,r\,r1}$$

$$\Bigg(\Bigg(2\left(r^2-2\,r\,r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticE}\Big[$$

$$\frac{\theta 1}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Bigg)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}\right)-$$

$$\Bigg(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticF}\Big[$$

$$\frac{\theta 1}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Bigg)\Big/$$

$$\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}\right)\Bigg)\,\mathrm{Sin}[\lambda 1]\Bigg)\Bigg)+$$

$$\frac{1}{r^2-r1^2}\,36\,r1^3\Bigg(\mathrm{Cos}[\lambda]\Bigg(-\frac{1}{2\,r\,r1}\,\mathrm{Cos}[\lambda 1]\Bigg(\Bigg(2\left(r^2-2\,r\,r1+r1^2\right)$$

$$\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticE}\Big[\frac{\theta 1}{2},$$

$$-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Bigg)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}\right)-$$

$$\Bigg(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticF}\Big[\frac{\theta 1}{2},$$

$$-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Bigg)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}\right)\Bigg)+$$

$$\Bigg(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2+r1^2}}\Bigg(-r^2-r1^2+r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2+r1^2}}+$$

$$r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2+r1^2}}\Bigg)$$

$$\text{Sin}[\lambda 1]\Big)\Big/\left(r\,r1\,\sqrt{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 1]}\right)\Big)-$$

$$\text{Sin}[\lambda]\left(\left(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 1]}{r^2+r1^2}}\left(-r^2-r1^2+r^2\right.\right.\right.$$

$$\left.\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 1]}{r^2+r1^2}}+r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 1]}{r^2+r1^2}}\right)$$

$$\text{Cos}[\lambda 1]\Big)\Big/\left(r\,r1\,\sqrt{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 1]}\right)+\frac{1}{2\,r\,r1}$$

$$\left(\left(2\left(r^2-2\,r\,r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 1]}{r^2-2\,r\,r1+r1^2}}\,\text{EllipticE}\Big[\right.\right.$$

$$\left.\frac{\theta 1}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 1]}\right)-$$

$$\left(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 1]}{r^2-2\,r\,r1+r1^2}}\,\text{EllipticF}\Big[\right.$$

$$\left.\frac{\theta 1}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\right)\Big/$$

$$\left.\left.\left(\sqrt{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 1]}\right)\right)\text{Sin}[\lambda 1]\right)\right)-$$

$$\frac{1}{r^2\left(r^2-r1^2\right)}\,72\,r1^5\left(\text{Cos}[\lambda]\left(-\frac{1}{2\,r\,r1}\,\text{Cos}[\lambda 1]\left(\left(2\left(r^2-2\,r\,r1+r1^2\right)\right.\right.\right.\right.$$

$$\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 1]}{r^2-2\,r\,r1+r1^2}}\,\text{EllipticE}\Big[\frac{\theta 1}{2},$$

$$\left.-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 1]}\right)-$$

$$\left(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 1]}{r^2-2\,r\,r1+r1^2}}\,\text{EllipticF}\Big[\frac{\theta 1}{2},\right.$$

$$\left.\left.-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 1]}\right)\right)+$$

$$\left(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2+r1^2}}\left(-r^2-r1^2+r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2+r1^2}}+r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2+r1^2}}\right)\right.$$

$$\left.\mathrm{Sin}[\lambda 1]\right)\Big/\left(r\,r1\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}\right)\Bigg)-$$

$$\mathrm{Sin}[\lambda]\left(\left(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2+r1^2}}\left(-r^2-r1^2+r^2\right.\right.\right.$$

$$\left.\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2+r1^2}}+r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2+r1^2}}\right)$$

$$\left.\mathrm{Cos}[\lambda 1]\right)\Big/\left(r\,r1\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}\right)+\frac{1}{2\,r\,r1}$$

$$\left(\left(2\left(r^2-2\,r\,r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r1+r1^2}}\,\mathrm{EllipticE}\Big[\right.\right.$$

$$\left.\frac{\theta 1}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}\right)-$$

$$\left(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r1+r1^2}}\,\mathrm{EllipticF}\Big[\right.$$

$$\left.\frac{\theta 1}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\right)\Big/$$

$$\left.\left.\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}\right)\right)\mathrm{Sin}[\lambda 1]\right)\right)-$$

$$\frac{1}{r^2-r2^2}\,36\,r2^3\left(\mathrm{Cos}[\lambda]\left(-\frac{1}{2\,r\,r2}\,\mathrm{Cos}[\lambda 1]\left(\left(2\left(r^2-2\,r\,r2+r2^2\right)\right.\right.\right.\right.$$

$$\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r2+r2^2}}\,\mathrm{EllipticE}\Big[\frac{\theta 1}{2},$$

$$\left.-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}\right)-$$

$$\left(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticF}\left[\frac{\theta 1}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}\right)\Bigg)-$$

$$\left(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}\left(-r^2-r2^2+r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}+r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}\right)\right.$$

$$\left.\mathrm{Sin}[\lambda 1]\right)\Big/\left(r\,r2\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}\right)\Bigg)+$$

$$\mathrm{Sin}[\lambda]\left(\left(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}\left(-r^2-r2^2+r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}+r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}\right)\right.\right.$$

$$\left.\mathrm{Cos}[\lambda 1]\right)\Big/\left(r\,r2\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}\right)-\frac{1}{2\,r\,r2}$$

$$\left(\left(2\left(r^2-2\,r\,r2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticE}\left[\frac{\theta 1}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}\right)-\right.$$

$$\left(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticF}\left[\frac{\theta 1}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Big/$$

$$\left.\left.\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}\right)\right)\mathrm{Sin}[\lambda 1]\right)\right)+$$

$$\frac{1}{r^2\left(r^2-r2^2\right)}\,72\,r2^5\left(\mathrm{Cos}[\lambda]\left(-\frac{1}{2\,r\,r2}\,\mathrm{Cos}[\lambda 1]\left(\left(2\left(r^2-2\,r\,r2+r2^2\right)\right.\right.\right.\right.$$

$$\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r2+r2^2}}\ \mathrm{EllipticE}\Big[\frac{\theta 1}{2},$$

$$-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\Big)\Big/\Big(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}\Big)-$$

$$\Bigg(2\,(r^2+r2^2)\ \sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r2+r2^2}}\ \mathrm{EllipticF}\Big[\frac{\theta 1}{2},$$

$$-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\Bigg)\Big/\Big(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}\Big)\Bigg)-$$

$$\Bigg(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}\ \Bigg(-r^2-r2^2+r^2\ \sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}+$$

$$r2^2\ \sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}\Bigg)$$

$$\mathrm{Sin}[\lambda 1]\Bigg)\Big/\Big(r\,r2\ \sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}\Big)\Bigg)+$$

$$\mathrm{Sin}[\lambda]\ \Bigg(\Bigg(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}\ \Bigg(-r^2-r2^2+r^2$$

$$\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}+r2^2\ \sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}\Bigg)$$

$$\mathrm{Cos}[\lambda 1]\Bigg)\Big/\Big(r\,r2\ \sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}\Big)-\frac{1}{2\,r\,r2}$$

$$\Bigg(\Bigg(2\,(r^2-2\,r\,r2+r2^2)\ \sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r2+r2^2}}\ \mathrm{EllipticE}\Big[$$

$$\frac{\theta 1}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\Bigg)\Big/\Big(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}\Big)-$$

$$\Bigg(2\,(r^2+r2^2)\ \sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r2+r2^2}}\ \mathrm{EllipticF}\Big[$$

$$\frac{\theta 1}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\Bigg)\Big/$$

$$\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}\right)\Bigg)\,\mathrm{Sin}[\lambda 1]\Bigg)\Bigg)-$$

$$\frac{1}{r^2-r2^2}\,36\,r2^3\Bigg(\mathrm{Cos}[\lambda]\Bigg(-\frac{1}{2\,r\,r2}\,\mathrm{Cos}[\lambda 1]\Bigg(\Bigg(2\left(r^2-2\,r\,r2+r2^2\right)$$

$$\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticE}\Big[\frac{\theta 1}{2},$$

$$-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\Bigg)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}\right)-$$

$$\Bigg(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticF}\Big[\frac{\theta 1}{2},$$

$$-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\Bigg)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}\right)\Bigg)+$$

$$\Bigg(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}\;\Bigg(-r^2-r2^2+r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}+$$

$$r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}\Bigg)$$

$$\mathrm{Sin}[\lambda 1]\Bigg)\Big/\left(r\,r2\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}\right)\Bigg)-$$

$$\mathrm{Sin}[\lambda]\Bigg(\Bigg(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}\;\Bigg(-r^2-r2^2+r^2$$

$$\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}+r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}\Bigg)$$

$$\mathrm{Cos}[\lambda 1]\Bigg)\Big/\left(r\,r2\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}\right)+\frac{1}{2\,r\,r2}$$

$$\Bigg(\Bigg(2\left(r^2-2\,r\,r2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticE}\Big[$$

$$\frac{\theta 1}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\Bigg)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}\right)-$$

$$\left(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta1]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticF}\left[\frac{\theta1}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta1]}\right)\Bigg)\mathrm{Sin}[\lambda1]\Bigg)\Bigg)+$$

$$\frac{1}{r^2\left(r^2-r2^2\right)}\,72\,r2^5\Bigg(\mathrm{Cos}[\lambda]\Bigg(-\frac{1}{2\,r\,r2}\,\mathrm{Cos}[\lambda1]\Bigg(\Bigg(2\left(r^2-2\,r\,r2+r2^2\right)$$

$$\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta1]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticE}\left[\frac{\theta1}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\Bigg)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta1]}\right)-$$

$$\left(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta1]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticF}\left[\frac{\theta1}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta1]}\right)\Bigg)+$$

$$\left(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta1]}{r^2+r2^2}}\left(-r^2-r2^2+r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta1]}{r^2+r2^2}}+r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta1]}{r^2+r2^2}}\right)\right.$$

$$\left.\mathrm{Sin}[\lambda1]\right)\Big/\left(r\,r2\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta1]}\right)\Bigg)-$$

$$\mathrm{Sin}[\lambda]\Bigg(\Bigg(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta1]}{r^2+r2^2}}\left(-r^2-r2^2+r^2\right.$$

$$\left.\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta1]}{r^2+r2^2}}+r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta1]}{r^2+r2^2}}\right)$$

$$\mathrm{Cos}[\lambda1]\Bigg)\Big/\left(r\,r2\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta1]}\right)+\frac{1}{2\,r\,r2}$$

$$\left(\left(2\left(r^2-2\,r\,r2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticE}\left[\frac{\theta 1}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}\right)-\left(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticF}\left[\frac{\theta 1}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}\right)\right)\mathrm{Sin}[\lambda 1]\right)-$$

$$\frac{1}{r^2-r1^2}\,32\,r^2\,r1\left(\mathrm{Cos}[\lambda]\,(-1+2\,\mathrm{Cos}[2\,\lambda])\left(-\frac{1}{2\,r\,r1}\,\mathrm{Cos}[3\,\lambda 1]\right.\right.$$

$$\left(\left(2\left(r^2-2\,r\,r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticE}\left[\frac{\theta 1}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}\right)-\left(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticF}\left[\frac{\theta 1}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}\right)\right)-$$

$$\left(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2+r1^2}}\left(-r^2-r1^2+r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2+r1^2}}+r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2+r1^2}}\right)(1+2\,\mathrm{Cos}[2\,\lambda 1])\,\mathrm{Sin}[\lambda 1]\right)\Big/\left(r\,r1\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}\right)\Bigg)+(1+2\,\mathrm{Cos}[2\,\lambda])\,\mathrm{Sin}[\lambda]$$

$$\left(\left(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2+r1^2}}\left(-r^2-r1^2+r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2+r1^2}}+\right.\right.\right.$$

$$r1^2 \sqrt{\frac{r^2 + r1^2 - 2\, r\, r1 \operatorname{Cos}[\theta 1]}{r^2 + r1^2}}\Bigg) \operatorname{Cos}[\lambda 1]$$

$$(-1 + 2 \operatorname{Cos}[2\, \lambda 1])\Bigg) \Big/ \left(r\, r1 \sqrt{r^2 + r1^2 - 2\, r\, r1 \operatorname{Cos}[\theta 1]}\right) - \frac{1}{2\, r\, r1}$$

$$\Bigg(\Bigg(2 \left(r^2 - 2\, r\, r1 + r1^2\right) \sqrt{\frac{r^2 + r1^2 - 2\, r\, r1 \operatorname{Cos}[\theta 1]}{r^2 - 2\, r\, r1 + r1^2}} \operatorname{EllipticE}\Big[$$

$$\frac{\theta 1}{2}, -\frac{4\, r\, r1}{r^2 - 2\, r\, r1 + r1^2}\Big]\Bigg) \Big/ \left(\sqrt{r^2 + r1^2 - 2\, r\, r1 \operatorname{Cos}[\theta 1]}\right) -$$

$$\Bigg(2 \left(r^2 + r1^2\right) \sqrt{\frac{r^2 + r1^2 - 2\, r\, r1 \operatorname{Cos}[\theta 1]}{r^2 - 2\, r\, r1 + r1^2}} \operatorname{EllipticF}\Big[$$

$$\frac{\theta 1}{2}, -\frac{4\, r\, r1}{r^2 - 2\, r\, r1 + r1^2}\Big]\Bigg) \Big/$$

$$\left(\sqrt{r^2 + r1^2 - 2\, r\, r1 \operatorname{Cos}[\theta 1]}\right)\Bigg) \operatorname{Sin}[3\, \lambda 1]\Bigg)\Bigg) +$$

$$\frac{1}{r^2 - r1^2}\, 12\, r1^3 \Bigg(\operatorname{Cos}[\lambda]\, (-1 + 2 \operatorname{Cos}[2\, \lambda])\, \Bigg(-\frac{1}{2\, r\, r1} \operatorname{Cos}[3\, \lambda 1]$$

$$\Bigg(\Bigg(2 \left(r^2 - 2\, r\, r1 + r1^2\right) \sqrt{\frac{r^2 + r1^2 - 2\, r\, r1 \operatorname{Cos}[\theta 1]}{r^2 - 2\, r\, r1 + r1^2}} \operatorname{EllipticE}\Big[\frac{\theta 1}{2},$$

$$-\frac{4\, r\, r1}{r^2 - 2\, r\, r1 + r1^2}\Big]\Bigg) \Big/ \left(\sqrt{r^2 + r1^2 - 2\, r\, r1 \operatorname{Cos}[\theta 1]}\right) -$$

$$\Bigg(2 \left(r^2 + r1^2\right) \sqrt{\frac{r^2 + r1^2 - 2\, r\, r1 \operatorname{Cos}[\theta 1]}{r^2 - 2\, r\, r1 + r1^2}} \operatorname{EllipticF}\Big[\frac{\theta 1}{2},$$

$$-\frac{4\, r\, r1}{r^2 - 2\, r\, r1 + r1^2}\Big]\Bigg) \Big/ \left(\sqrt{r^2 + r1^2 - 2\, r\, r1 \operatorname{Cos}[\theta 1]}\right)\Bigg) -$$

$$\Bigg(\sqrt{\frac{r^2 + r1^2 - 2\, r\, r1 \operatorname{Cos}[\theta 1]}{r^2 + r1^2}} \Bigg(-r^2 - r1^2 + r^2 \sqrt{\frac{r^2 + r1^2 - 2\, r\, r1 \operatorname{Cos}[\theta 1]}{r^2 + r1^2}} +$$

$$r1^2 \sqrt{\frac{r^2 + r1^2 - 2\, r\, r1 \operatorname{Cos}[\theta 1]}{r^2 + r1^2}}\Bigg) (1 + 2 \operatorname{Cos}[2\, \lambda 1])\, \operatorname{Sin}[\lambda 1]\Bigg) \Big/$$

$$\left(r\, r1\, \sqrt{r^2 + r1^2 - 2\, r\, r1\, \text{Cos}[\theta 1]}\right)\Bigg) + (1 + 2\, \text{Cos}[2\, \lambda])\, \text{Sin}[\lambda]$$

$$\Bigg(\Bigg(\sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \text{Cos}[\theta 1]}{r^2 + r1^2}}\, \Bigg(-r^2 - r1^2 + r^2\, \sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \text{Cos}[\theta 1]}{r^2 + r1^2}} +$$

$$r1^2\, \sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \text{Cos}[\theta 1]}{r^2 + r1^2}}\Bigg)\, \text{Cos}[\lambda 1]$$

$$(-1 + 2\, \text{Cos}[2\, \lambda 1])\Bigg) \Big/ \left(r\, r1\, \sqrt{r^2 + r1^2 - 2\, r\, r1\, \text{Cos}[\theta 1]}\right) - \frac{1}{2\, r\, r1}$$

$$\Bigg(\Bigg(2\, \left(r^2 - 2\, r\, r1 + r1^2\right)\, \sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \text{Cos}[\theta 1]}{r^2 - 2\, r\, r1 + r1^2}}\, \text{EllipticE}\Big[$$

$$\frac{\theta 1}{2}, -\frac{4\, r\, r1}{r^2 - 2\, r\, r1 + r1^2}\Big]\Bigg) \Big/ \left(\sqrt{r^2 + r1^2 - 2\, r\, r1\, \text{Cos}[\theta 1]}\right) -$$

$$\Bigg(2\, \left(r^2 + r1^2\right)\, \sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \text{Cos}[\theta 1]}{r^2 - 2\, r\, r1 + r1^2}}\, \text{EllipticF}\Big[$$

$$\frac{\theta 1}{2}, -\frac{4\, r\, r1}{r^2 - 2\, r\, r1 + r1^2}\Big]\Bigg) \Big/$$

$$\left(\sqrt{r^2 + r1^2 - 2\, r\, r1\, \text{Cos}[\theta 1]}\right)\Bigg)\, \text{Sin}[3\, \lambda 1]\Bigg)\Bigg) +$$

$$\frac{1}{r^2\, \left(r^2 - r1^2\right)}\, 8\, r1^5\, \Bigg(\text{Cos}[\lambda]\, (-1 + 2\, \text{Cos}[2\, \lambda])\, \Bigg(-\frac{1}{2\, r\, r1}\, \text{Cos}[3\, \lambda 1]$$

$$\Bigg(\Bigg(2\, \left(r^2 - 2\, r\, r1 + r1^2\right)\, \sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \text{Cos}[\theta 1]}{r^2 - 2\, r\, r1 + r1^2}}\, \text{EllipticE}\Big[\frac{\theta 1}{2},$$

$$-\frac{4\, r\, r1}{r^2 - 2\, r\, r1 + r1^2}\Big]\Bigg) \Big/ \left(\sqrt{r^2 + r1^2 - 2\, r\, r1\, \text{Cos}[\theta 1]}\right) -$$

$$\Bigg(2\, \left(r^2 + r1^2\right)\, \sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \text{Cos}[\theta 1]}{r^2 - 2\, r\, r1 + r1^2}}\, \text{EllipticF}\Big[\frac{\theta 1}{2},$$

$$-\frac{4\, r\, r1}{r^2 - 2\, r\, r1 + r1^2}\Big]\Bigg) \Big/ \left(\sqrt{r^2 + r1^2 - 2\, r\, r1\, \text{Cos}[\theta 1]}\right)\Bigg) -$$

$$\left(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2+r1^2}}\left(-r^2-r1^2+r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2+r1^2}}+r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2+r1^2}}\right)(1+2\,\mathrm{Cos}[2\,\lambda 1])\,\mathrm{Sin}[\lambda 1]\right)\Big/\left(r\,r1\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}\right)\Bigg)+(1+2\,\mathrm{Cos}[2\,\lambda])\,\mathrm{Sin}[\lambda]$$

$$\Bigg(\Bigg(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2+r1^2}}\left(-r^2-r1^2+r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2+r1^2}}+r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2+r1^2}}\right)\mathrm{Cos}[\lambda 1]$$

$$(-1+2\,\mathrm{Cos}[2\,\lambda 1])\Bigg)\Big/\left(r\,r1\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}\right)-\frac{1}{2\,r\,r1}$$

$$\Bigg(\Bigg(2\left(r^2-2\,r\,r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r1+r1^2}}\,\mathrm{EllipticE}\Big[\frac{\theta 1}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Bigg)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}\right)-$$

$$\left(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r1+r1^2}}\,\mathrm{EllipticF}\Big[\frac{\theta 1}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\right)\Big/$$

$$\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}\right)\Bigg)\,\mathrm{Sin}[3\,\lambda 1]\Bigg)\Bigg)-$$

$$\frac{1}{r^2-r1^2}\,32\,r^2\,r1\Bigg(\mathrm{Cos}[\lambda]\,(-1+2\,\mathrm{Cos}[2\,\lambda])\Bigg(-\frac{1}{2\,r\,r1}\,\mathrm{Cos}[3\,\lambda 1]$$

$$\Bigg(\Bigg(2\left(r^2-2\,r\,r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r1+r1^2}}\,\mathrm{EllipticE}\Big[\frac{\theta 1}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Bigg)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}\right)-$$

$$\left(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticF}\left[\frac{\theta 1}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}\right)\Bigg)+$$

$$\left(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2+r1^2}}\left(-r^2-r1^2+r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2+r1^2}}+r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2+r1^2}}\right)(1+2\,\mathrm{Cos}[2\,\lambda 1])\,\mathrm{Sin}[\lambda 1]\right)\Big/$$

$$\left(r\,r1\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}\right)\Bigg)-(1+2\,\mathrm{Cos}[2\,\lambda])\,\mathrm{Sin}[\lambda]$$

$$\Bigg(\Bigg(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2+r1^2}}\left(-r^2-r1^2+r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2+r1^2}}+r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2+r1^2}}\right)\mathrm{Cos}[\lambda 1]$$

$$(-1+2\,\mathrm{Cos}[2\,\lambda 1])\Bigg)\Big/\left(r\,r1\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}\right)+\frac{1}{2\,r\,r1}$$

$$\Bigg(\Bigg(2\left(r^2-2\,r\,r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticE}\left[\frac{\theta 1}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\Bigg)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}\right)-$$

$$\left(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticF}\left[\frac{\theta 1}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\right)\Big/$$

$$\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}\right)\Bigg)\,\mathrm{Sin}[3\,\lambda 1]\Bigg)\Bigg)+$$

$$\frac{1}{r^2-r1^2}\,12\,r1^3\Bigg(\mathrm{Cos}[\lambda]\,(-1+2\,\mathrm{Cos}[2\,\lambda])\left(-\frac{1}{2\,r\,r1}\,\mathrm{Cos}[3\,\lambda 1]\right.$$

$$\left(\left(2\left(r^2-2\,r\,r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticE}\left[\frac{\theta1}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}\right)-\left(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticF}\left[\frac{\theta1}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}\right)\right)+\left(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}{r^2+r1^2}}\left(-r^2-r1^2+r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}{r^2+r1^2}}+r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}{r^2+r1^2}}\right)(1+2\,\mathrm{Cos}[2\,\lambda1])\,\mathrm{Sin}[\lambda1]\right)\Big/\left(r\,r1\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}\right)\right)-(1+2\,\mathrm{Cos}[2\,\lambda])\,\mathrm{Sin}[\lambda]$$

$$\left(\left(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}{r^2+r1^2}}\left(-r^2-r1^2+r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}{r^2+r1^2}}+r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}{r^2+r1^2}}\right)\mathrm{Cos}[\lambda1]\right.\right.$$

$$\left.(-1+2\,\mathrm{Cos}[2\,\lambda1])\right)\Big/\left(r\,r1\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}\right)+\frac{1}{2\,r\,r1}$$

$$\left(\left(2\left(r^2-2\,r\,r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticE}\left[\frac{\theta1}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}\right)-\left(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticF}\left[\frac{\theta1}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\right)\Big/$$

$$\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}\right)\Bigg)\,\mathrm{Sin}[3\,\lambda 1]\Bigg)\Bigg)+$$

$$\frac{1}{r^2\left(r^2-r1^2\right)}\,8\,r1^5\Bigg(\mathrm{Cos}[\lambda]\,(-1+2\,\mathrm{Cos}[2\,\lambda])\Bigg(-\frac{1}{2\,r\,r1}\,\mathrm{Cos}[3\,\lambda 1]$$

$$\Bigg(\Bigg(2\left(r^2-2\,r\,r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticE}\Big[\frac{\theta 1}{2},$$

$$-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Bigg)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}\right)-$$

$$\Bigg(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticF}\Big[\frac{\theta 1}{2},$$

$$-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Bigg)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}\right)\Bigg)+$$

$$\Bigg(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2+r1^2}}\Bigg(-r^2-r1^2+r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2+r1^2}}+$$

$$r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2+r1^2}}\Bigg)\,(1+2\,\mathrm{Cos}[2\,\lambda 1])\,\mathrm{Sin}[\lambda 1]\Bigg)\Big/$$

$$\left(r\,r1\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}\right)\Bigg)-(1+2\,\mathrm{Cos}[2\,\lambda])\,\mathrm{Sin}[\lambda]$$

$$\Bigg(\Bigg(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2+r1^2}}\Bigg(-r^2-r1^2+r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2+r1^2}}+$$

$$r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2+r1^2}}\Bigg)\,\mathrm{Cos}[\lambda 1]$$

$$(-1+2\,\mathrm{Cos}[2\,\lambda 1])\Bigg)\Big/\left(r\,r1\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}\right)+\frac{1}{2\,r\,r1}$$

$$\Bigg(\Bigg(2\left(r^2-2\,r\,r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticE}\Big[$$

$$\frac{\theta 1}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Bigg)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}\right)-$$

$$\left(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticF}\Big[\frac{\theta1}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}\right)\Bigg)\,\mathrm{Sin}[3\,\lambda1]\Bigg)\Bigg)+$$

$$\frac{1}{r^2-r2^2}\,32\,r^2\,r2\Bigg(\mathrm{Cos}[\lambda]\,(-1+2\,\mathrm{Cos}[2\,\lambda])\Bigg(-\frac{1}{2\,r\,r2}\,\mathrm{Cos}[3\,\lambda1]$$

$$\Bigg(\Bigg(2\left(r^2-2\,r\,r2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta1]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticE}\Big[\frac{\theta1}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\Bigg)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta1]}\right)-$$

$$\left(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta1]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticF}\Big[\frac{\theta1}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta1]}\right)\Bigg)-$$

$$\Bigg(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta1]}{r^2+r2^2}}\Bigg(-r^2-r2^2+r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta1]}{r^2+r2^2}}+$$

$$r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta1]}{r^2+r2^2}}\Bigg)\,(1+2\,\mathrm{Cos}[2\,\lambda1])\,\mathrm{Sin}[\lambda1]\Bigg)\Big/$$

$$\left(r\,r2\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta1]}\right)\Bigg)+(1+2\,\mathrm{Cos}[2\,\lambda])\,\mathrm{Sin}[\lambda]$$

$$\Bigg(\Bigg(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta1]}{r^2+r2^2}}\Bigg(-r^2-r2^2+r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta1]}{r^2+r2^2}}+$$

$$r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta1]}{r^2+r2^2}}\Bigg)\,\mathrm{Cos}[\lambda1]$$

$$(-1+2\,\mathrm{Cos}[2\,\lambda1])\Bigg)\Big/\left(r\,r2\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta1]}\right)-\frac{1}{2\,r\,r2}$$

$$\left(\left(2\left(r^2-2\,r\,r2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticE}\left[\frac{\theta 1}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}\right)-\left(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticF}\left[\frac{\theta 1}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}\right)\right)\mathrm{Sin}[3\,\lambda 1]\right)\Bigg)-$$

$$\frac{1}{r^2-r2^2}\,12\,r2^3\left(\mathrm{Cos}[\lambda]\,(-1+2\,\mathrm{Cos}[2\,\lambda])\left(-\frac{1}{2\,r\,r2}\,\mathrm{Cos}[3\,\lambda 1]\right.\right.$$

$$\left(\left(2\left(r^2-2\,r\,r2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticE}\left[\frac{\theta 1}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}\right)-\left(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticF}\left[\frac{\theta 1}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}\right)\right)-$$

$$\left(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}\left(-r^2-r2^2+r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}+r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}\right)(1+2\,\mathrm{Cos}[2\,\lambda 1])\,\mathrm{Sin}[\lambda 1]\right)\Big/$$

$$\left(r\,r2\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}\right)\Bigg)+(1+2\,\mathrm{Cos}[2\,\lambda])\,\mathrm{Sin}[\lambda]$$

$$\left(\left(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}\left(-r^2-r2^2+r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}+\right.\right.\right.$$

$$r2^2 \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 1]}{r^2 + r2^2}}\Bigg) \mathrm{Cos}[\lambda 1]$$

$$(-1 + 2\, \mathrm{Cos}[2\, \lambda 1])\Bigg) \Big/ \left(r\, r2\, \sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 1]}\right) - \frac{1}{2\, r\, r2}$$

$$\Bigg(\Bigg(2\, (r^2 - 2\, r\, r2 + r2^2)\, \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 1]}{r^2 - 2\, r\, r2 + r2^2}}\, \mathrm{EllipticE}\Big[$$

$$\frac{\theta 1}{2}, -\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\Big]\Bigg) \Big/ \left(\sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 1]}\right) -$$

$$\Bigg(2\, (r^2 + r2^2)\, \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 1]}{r^2 - 2\, r\, r2 + r2^2}}\, \mathrm{EllipticF}\Big[$$

$$\frac{\theta 1}{2}, -\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\Big]\Bigg) \Big/$$

$$\left(\sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 1]}\right)\Bigg) \mathrm{Sin}[3\, \lambda 1]\Bigg)\Bigg) -$$

$$\frac{1}{r^2\, (r^2 - r2^2)}\, 8\, r2^5 \Bigg(\mathrm{Cos}[\lambda]\, (-1 + 2\, \mathrm{Cos}[2\, \lambda])\, \Bigg(-\frac{1}{2\, r\, r2}\, \mathrm{Cos}[3\, \lambda 1]$$

$$\Bigg(\Bigg(2\, (r^2 - 2\, r\, r2 + r2^2)\, \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 1]}{r^2 - 2\, r\, r2 + r2^2}}\, \mathrm{EllipticE}\Big[\frac{\theta 1}{2},$$

$$-\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\Big]\Bigg) \Big/ \left(\sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 1]}\right) -$$

$$\Bigg(2\, (r^2 + r2^2)\, \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 1]}{r^2 - 2\, r\, r2 + r2^2}}\, \mathrm{EllipticF}\Big[\frac{\theta 1}{2},$$

$$-\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\Big]\Bigg) \Big/ \left(\sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 1]}\right)\Bigg) -$$

$$\Bigg(\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 1]}{r^2 + r2^2}}\, \Bigg(-r^2 - r2^2 + r^2\, \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 1]}{r^2 + r2^2}} +$$

$$r2^2 \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 1]}{r^2 + r2^2}}\Bigg)\, (1 + 2\, \mathrm{Cos}[2\, \lambda 1])\, \mathrm{Sin}[\lambda 1]\Bigg) \Big/$$

$$\left(r\, r2\, \sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 1]}\right)\Bigg) + (1 + 2\, \mathrm{Cos}[2\, \lambda])\, \mathrm{Sin}[\lambda]$$

$$\Bigg(\Bigg(\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 1]}{r^2 + r2^2}}\, \Bigg(-r^2 - r2^2 + r^2\, \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 1]}{r^2 + r2^2}} +$$

$$r2^2\, \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 1]}{r^2 + r2^2}}\Bigg)\, \mathrm{Cos}[\lambda 1]$$

$$(-1 + 2\, \mathrm{Cos}[2\, \lambda 1])\Bigg) \Big/ \left(r\, r2\, \sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 1]}\right) - \frac{1}{2\, r\, r2}$$

$$\Bigg(\Bigg(2\, \left(r^2 - 2\, r\, r2 + r2^2\right)\, \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 1]}{r^2 - 2\, r\, r2 + r2^2}}\, \mathrm{EllipticE}\Big[$$

$$\frac{\theta 1}{2}, -\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\Big]\Bigg) \Big/ \left(\sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 1]}\right) -$$

$$\Bigg(2\, \left(r^2 + r2^2\right)\, \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 1]}{r^2 - 2\, r\, r2 + r2^2}}\, \mathrm{EllipticF}\Big[$$

$$\frac{\theta 1}{2}, -\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\Big]\Bigg) \Big/$$

$$\left(\sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 1]}\right)\Bigg)\, \mathrm{Sin}[3\, \lambda 1]\Bigg)\Bigg) +$$

$$\frac{1}{r^2 - r2^2}\, 32\, r^2\, r2\, \Bigg(\mathrm{Cos}[\lambda]\, (-1 + 2\, \mathrm{Cos}[2\, \lambda])\, \Bigg(-\frac{1}{2\, r\, r2}\, \mathrm{Cos}[3\, \lambda 1]$$

$$\Bigg(\Bigg(2\, \left(r^2 - 2\, r\, r2 + r2^2\right)\, \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 1]}{r^2 - 2\, r\, r2 + r2^2}}\, \mathrm{EllipticE}\Big[\frac{\theta 1}{2},$$

$$-\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\Big]\Bigg) \Big/ \left(\sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 1]}\right) -$$

$$\Bigg(2\, \left(r^2 + r2^2\right)\, \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 1]}{r^2 - 2\, r\, r2 + r2^2}}\, \mathrm{EllipticF}\Big[\frac{\theta 1}{2},$$

$$-\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\Big]\Bigg) \Big/ \left(\sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 1]}\right)\Bigg) +$$

$$\left(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}\left(-r^2-r2^2+r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}+\right.\right.$$

$$\left.r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}\right)(1+2\,\mathrm{Cos}[2\,\lambda 1])\,\mathrm{Sin}[\lambda 1]\Bigg)\Big/$$

$$\left.\left(r\,r2\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}\right)\right)-(1+2\,\mathrm{Cos}[2\,\lambda])\,\mathrm{Sin}[\lambda]$$

$$\left(\left(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}\left(-r^2-r2^2+r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}+\right.\right.\right.$$

$$\left.r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}\right)\mathrm{Cos}[\lambda 1]$$

$$\left.(-1+2\,\mathrm{Cos}[2\,\lambda 1])\right)\Big/\left(r\,r2\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}\right)+\frac{1}{2\,r\,r2}$$

$$\left(\left(2\left(r^2-2\,r\,r2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r2+r2^2}}\,\mathrm{EllipticE}\Big[\right.\right.$$

$$\left.\frac{\theta 1}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}\right)-$$

$$\left(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r2+r2^2}}\,\mathrm{EllipticF}\Big[\right.$$

$$\left.\frac{\theta 1}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\right)\Big/$$

$$\left.\left.\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}\right)\right)\mathrm{Sin}[3\,\lambda 1]\right)\Bigg)-$$

$$\frac{1}{r^2-r2^2}\,12\,r2^3\left(\mathrm{Cos}[\lambda]\,(-1+2\,\mathrm{Cos}[2\,\lambda])\left(-\frac{1}{2\,r\,r2}\,\mathrm{Cos}[3\,\lambda 1]\right.\right.$$

$$\left(\left(2\left(r^2-2\,r\,r2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r2+r2^2}}\,\mathrm{EllipticE}\Big[\frac{\theta 1}{2},\right.\right.$$

$$\left.-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}\right)-$$

$$\left(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticF}\left[\frac{\theta 1}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}\right)\Bigg)+$$

$$\left(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}\left(-r^2-r2^2+r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}+r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}\right)(1+2\,\mathrm{Cos}[2\,\lambda 1])\,\mathrm{Sin}[\lambda 1]\right)\Big/$$

$$\left(r\,r2\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}\right)\Bigg)-(1+2\,\mathrm{Cos}[2\,\lambda])\,\mathrm{Sin}[\lambda]$$

$$\left(\left(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}\left(-r^2-r2^2+r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}+r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}\right)\mathrm{Cos}[\lambda 1]\right.\right.$$

$$\left.(-1+2\,\mathrm{Cos}[2\,\lambda 1])\right)\Big/\left(r\,r2\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}\right)+\frac{1}{2\,r\,r2}$$

$$\left(\left(2\left(r^2-2\,r\,r2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticE}\left[\frac{\theta 1}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}\right)-\right.$$

$$\left(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticF}\left[\frac{\theta 1}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Big/$$

$$\left.\left.\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}\right)\right)\mathrm{Sin}[3\,\lambda 1]\right)\Bigg)-$$

$$\frac{1}{r^2\left(r^2-r2^2\right)}\,8\,r2^5\left(\mathrm{Cos}[\lambda]\,(-1+2\,\mathrm{Cos}[2\,\lambda])\left(-\frac{1}{2\,r\,r2}\,\mathrm{Cos}[3\,\lambda 1]\right.\right.$$

$$\left(\left(2\left(r^2-2\,r\,r2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta1]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticE}\left[\frac{\theta1}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta1]}\right)-\left(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta1]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticF}\left[\frac{\theta1}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta1]}\right)\right)+\left(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta1]}{r^2+r2^2}}\left(-r^2-r2^2+r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta1]}{r^2+r2^2}}+r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta1]}{r^2+r2^2}}\right)(1+2\,\mathrm{Cos}[2\,\lambda1])\,\mathrm{Sin}[\lambda1]\right)\Big/\left(r\,r2\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta1]}\right)\right)-(1+2\,\mathrm{Cos}[2\,\lambda])\,\mathrm{Sin}[\lambda]$$

$$\left(\left(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta1]}{r^2+r2^2}}\left(-r^2-r2^2+r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta1]}{r^2+r2^2}}+r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta1]}{r^2+r2^2}}\right)\mathrm{Cos}[\lambda1]\right.\right.$$

$$\left.(-1+2\,\mathrm{Cos}[2\,\lambda1])\right)\Big/\left(r\,r2\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta1]}\right)+\frac{1}{2\,r\,r2}$$

$$\left(\left(2\left(r^2-2\,r\,r2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta1]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticE}\left[\frac{\theta1}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta1]}\right)-\left(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta1]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticF}\left[\frac{\theta1}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Big/$$

$$\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}\right)\Bigg)\,\mathrm{Sin}[3\,\lambda 1]\Bigg)\Bigg)-$$

$$\frac{1}{r^2-r1^2}\,36\,r1^3\Bigg(\mathrm{Cos}[\lambda]\Bigg(-\frac{1}{2\,r\,r1}\,\mathrm{Cos}[\lambda 2]\Bigg(\Bigg(2\left(r^2-2\,r\,r1+r1^2\right)$$

$$\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticE}\Big[\frac{\theta 1}{2},$$

$$-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Bigg)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}\right)-$$

$$\Bigg(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticF}\Big[\frac{\theta 1}{2},$$

$$-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Bigg)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}\right)\Bigg)-$$

$$\Bigg(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2+r1^2}}\;\Bigg(-r^2-r1^2+r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2+r1^2}}+$$

$$r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2+r1^2}}\Bigg)$$

$$\mathrm{Sin}[\lambda 2]\Bigg)\Big/\left(r\,r1\,\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}\right)\Bigg)+$$

$$\mathrm{Sin}[\lambda]\Bigg(\Bigg(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2+r1^2}}\;\Bigg(-r^2-r1^2+r^2$$

$$\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2+r1^2}}+r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2+r1^2}}\Bigg)$$

$$\mathrm{Cos}[\lambda 2]\Bigg)\Big/\left(r\,r1\,\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}\right)-\frac{1}{2\,r\,r1}$$

$$\Bigg(\Bigg(2\left(r^2-2\,r\,r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticE}\Big[$$

$$\frac{\theta 1}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Bigg)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}\right)-$$

$$\left(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticF}\left[\frac{\theta1}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}\right)\Bigg)\,\mathrm{Sin}[\lambda2]\Bigg)\Bigg)+$$

$$\frac{1}{r^2\left(r^2-r1^2\right)}\,72\,r1^5\Bigg(\mathrm{Cos}[\lambda]\Bigg(-\frac{1}{2\,r\,r1}\,\mathrm{Cos}[\lambda2]\Bigg(\Bigg(2\left(r^2-2\,r\,r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticE}\left[\frac{\theta1}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\Bigg)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}\right)-$$

$$\left(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticF}\left[\frac{\theta1}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}\right)\Bigg)-$$

$$\left(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}{r^2+r1^2}}\left(-r^2-r1^2+r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}{r^2+r1^2}}+r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}{r^2+r1^2}}\right)\right.$$

$$\left.\mathrm{Sin}[\lambda2]\right)\Big/\left(r\,r1\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}\right)\Bigg)+$$

$$\mathrm{Sin}[\lambda]\Bigg(\Bigg(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}{r^2+r1^2}}\left(-r^2-r1^2+r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}{r^2+r1^2}}+r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}{r^2+r1^2}}\right)$$

$$\mathrm{Cos}[\lambda2]\Bigg)\Big/\left(r\,r1\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}\right)-\frac{1}{2\,r\,r1}$$

$$\left(\left(2\left(r^2-2\,r\,r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticE}\left[\frac{\theta1}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}\right)-\left(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticF}\left[\frac{\theta1}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}\right)\right)\mathrm{Sin}[\lambda2]\right)\right)-$$

$$\frac{1}{r^2-r1^2}\,36\,r1^3\left(\mathrm{Cos}[\lambda]\left(-\frac{1}{2\,r\,r1}\,\mathrm{Cos}[\lambda2]\left(\left(2\left(r^2-2\,r\,r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticE}\left[\frac{\theta1}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}\right)-\left(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticF}\left[\frac{\theta1}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}\right)\right)+\left(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}{r^2+r1^2}}\left(-r^2-r1^2+r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}{r^2+r1^2}}+r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}{r^2+r1^2}}\right)\mathrm{Sin}[\lambda2]\right)\Big/\left(r\,r1\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}\right)\right)-$$

$$\mathrm{Sin}[\lambda]\left(\left(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}{r^2+r1^2}}\left(-r^2-r1^2+r^2\right.\right.\right.$$

$$\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2+r1^2}}+r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2+r1^2}}\Bigg)$$

$$\mathrm{Cos}[\lambda 2]\Bigg)\Big/\left(r\,r1\,\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}\right)+\frac{1}{2\,r\,r1}$$

$$\Bigg(\Bigg(2\left(r^2-2\,r\,r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticE}\Big[$$

$$\frac{\theta 1}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Bigg)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}\right)-$$

$$\Bigg(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticF}\Big[$$

$$\frac{\theta 1}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Bigg)\Big/$$

$$\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}\right)\Bigg)\,\mathrm{Sin}[\lambda 2]\Bigg)\Bigg)+$$

$$\frac{1}{r^2\left(r^2-r1^2\right)}\,72\,r1^5\Bigg(\mathrm{Cos}[\lambda]\Bigg(-\frac{1}{2\,r\,r1}\,\mathrm{Cos}[\lambda 2]\Bigg(\Bigg(2\left(r^2-2\,r\,r1+r1^2\right)$$

$$\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticE}\Big[\frac{\theta 1}{2},$$

$$-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Bigg)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}\right)-$$

$$\Bigg(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticF}\Big[\frac{\theta 1}{2},$$

$$-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Bigg)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}\right)\Bigg)+$$

$$\Bigg(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2+r1^2}}\Bigg(-r^2-r1^2+r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2+r1^2}}+$$

$$r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2+r1^2}}\Bigg)$$

$$\text{Sin}[\lambda 2]\Big)\Big/\left(r\,r1\,\sqrt{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 1]}\right)\Big)-$$

$$\text{Sin}[\lambda]\left(\left(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 1]}{r^2+r1^2}}\left(-r^2-r1^2+r^2\right.\right.\right.$$

$$\left.\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 1]}{r^2+r1^2}}+r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 1]}{r^2+r1^2}}\right)$$

$$\text{Cos}[\lambda 2]\Big)\Big/\left(r\,r1\,\sqrt{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 1]}\right)+\frac{1}{2\,r\,r1}$$

$$\left(\left(2\left(r^2-2\,r\,r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 1]}{r^2-2\,r\,r1+r1^2}}\,\text{EllipticE}\Big[\right.\right.$$

$$\left.\frac{\theta 1}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 1]}\right)-$$

$$\left(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 1]}{r^2-2\,r\,r1+r1^2}}\,\text{EllipticF}\Big[\right.$$

$$\left.\frac{\theta 1}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\right)\Big/$$

$$\left.\left.\left(\sqrt{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 1]}\right)\right)\text{Sin}[\lambda 2]\right)\right)+$$

$$\frac{1}{r^2-r2^2}\,36\,r2^3\left(\text{Cos}[\lambda]\left(-\frac{1}{2\,r\,r2}\,\text{Cos}[\lambda 2]\left(\left(2\left(r^2-2\,r\,r2+r2^2\right)\right.\right.\right.\right.$$

$$\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 1]}{r^2-2\,r\,r2+r2^2}}\,\text{EllipticE}\Big[\frac{\theta 1}{2},$$

$$\left.-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 1]}\right)-$$

$$\left(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 1]}{r^2-2\,r\,r2+r2^2}}\,\text{EllipticF}\Big[\frac{\theta 1}{2},\right.$$

$$\left.\left.-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 1]}\right)\right)-$$

$$\left(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}\left(-r^2-r2^2+r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}+r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}\right)\right.$$

$$\left.\mathrm{Sin}[\lambda 2]\right)\Big/\left(r\,r2\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}\right)\Bigg)+$$

$$\mathrm{Sin}[\lambda]\left(\left(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}\left(-r^2-r2^2+r^2\right.\right.\right.$$

$$\left.\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}+r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}\right)$$

$$\left.\mathrm{Cos}[\lambda 2]\right)\Big/\left(r\,r2\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}\right)-\frac{1}{2\,r\,r2}$$

$$\left(\left(2\left(r^2-2\,r\,r2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r2+r2^2}}\,\mathrm{EllipticE}\Big[\right.\right.$$

$$\left.\frac{\theta 1}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}\right)-$$

$$\left(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r2+r2^2}}\,\mathrm{EllipticF}\Big[\right.$$

$$\left.\frac{\theta 1}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\right)\Big/$$

$$\left.\left.\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}\right)\right)\mathrm{Sin}[\lambda 2]\right)\Bigg)-$$

$$\frac{1}{r^2\left(r^2-r2^2\right)}\,72\,r2^5\left(\mathrm{Cos}[\lambda]\left(-\frac{1}{2\,r\,r2}\,\mathrm{Cos}[\lambda 2]\left(\left(2\left(r^2-2\,r\,r2+r2^2\right)\right.\right.\right.\right.$$

$$\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r2+r2^2}}\,\mathrm{EllipticE}\Big[\frac{\theta 1}{2},$$

$$\left.-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}\right)-$$

$$\left(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticF}\left[\frac{\theta 1}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}\right)\Bigg)-$$

$$\left(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}\left(-r^2-r2^2+r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}+r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}\right)\right.$$

$$\left.\mathrm{Sin}[\lambda 2]\right)\Big/\left(r\,r2\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}\right)\Bigg)+$$

$$\mathrm{Sin}[\lambda]\left(\left(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}\left(-r^2-r2^2+r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}+r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}\right)\right.\right.$$

$$\left.\mathrm{Cos}[\lambda 2]\right)\Big/\left(r\,r2\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}\right)-\frac{1}{2\,r\,r2}$$

$$\left(\left(2\left(r^2-2\,r\,r2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticE}\left[\frac{\theta 1}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}\right)-\right.$$

$$\left(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticF}\left[\frac{\theta 1}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Big/$$

$$\left.\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}\right)\right)\mathrm{Sin}[\lambda 2]\Bigg)\Bigg)+$$

$$\frac{1}{r^2-r2^2}\,36\,r2^3\left(\mathrm{Cos}[\lambda]\left(-\frac{1}{2\,r\,r2}\,\mathrm{Cos}[\lambda 2]\left(\left(2\left(r^2-2\,r\,r2+r2^2\right)\right.\right.\right.\right.$$

$$\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r2+r2^2}}\ \mathrm{EllipticE}\Big[\frac{\theta 1}{2},$$

$$-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\Big)\Big/\Big(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}\Big)-$$

$$\Bigg(2\,(r^2+r2^2)\ \sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r2+r2^2}}\ \mathrm{EllipticF}\Big[\frac{\theta 1}{2},$$

$$-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\Bigg)\Big/\Big(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}\Big)\Bigg)+$$

$$\Bigg(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}\ \Bigg(-r^2-r2^2+r^2\ \sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}+$$

$$r2^2\ \sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}\Bigg)$$

$$\mathrm{Sin}[\lambda 2]\Bigg)\Big/\Big(r\,r2\ \sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}\Big)\Bigg)-$$

$$\mathrm{Sin}[\lambda]\ \Bigg(\Bigg(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}\ \Bigg(-r^2-r2^2+r^2$$

$$\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}+r2^2\ \sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}\Bigg)$$

$$\mathrm{Cos}[\lambda 2]\Bigg)\Big/\Big(r\,r2\ \sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}\Big)+\frac{1}{2\,r\,r2}$$

$$\Bigg(\Bigg(2\,(r^2-2\,r\,r2+r2^2)\ \sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r2+r2^2}}\ \mathrm{EllipticE}\Big[$$

$$\frac{\theta 1}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\Bigg)\Big/\Big(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}\Big)-$$

$$\Bigg(2\,(r^2+r2^2)\ \sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r2+r2^2}}\ \mathrm{EllipticF}\Big[$$

$$\frac{\theta 1}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\Bigg)\Big/$$

$$\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}\right)\Bigg)\,\mathrm{Sin}[\lambda 2]\Bigg)\Bigg)-$$

$$\frac{1}{r^2\left(r^2-r2^2\right)}\,72\,r2^5\Bigg(\mathrm{Cos}[\lambda]\Bigg(-\frac{1}{2\,r\,r2}\,\mathrm{Cos}[\lambda 2]\Bigg(\Bigg(2\left(r^2-2\,r\,r2+r2^2\right)$$

$$\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticE}\Big[\frac{\theta 1}{2},$$

$$-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\Bigg)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}\right)-$$

$$\Bigg(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticF}\Big[\frac{\theta 1}{2},$$

$$-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\Bigg)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}\right)\Bigg)+$$

$$\Bigg(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}\;\Bigg(-r^2-r2^2+r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}+$$

$$r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}\Bigg)$$

$$\mathrm{Sin}[\lambda 2]\Bigg)\Big/\left(r\,r2\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}\right)\Bigg)-$$

$$\mathrm{Sin}[\lambda]\Bigg(\Bigg(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}\;\Bigg(-r^2-r2^2+r^2$$

$$\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}+r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}\Bigg)$$

$$\mathrm{Cos}[\lambda 2]\Bigg)\Big/\left(r\,r2\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}\right)+\frac{1}{2\,r\,r2}$$

$$\Bigg(\Bigg(2\left(r^2-2\,r\,r2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticE}\Big[$$

$$\frac{\theta 1}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\Bigg)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}\right)-$$

$$\left(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticF}\Big[\frac{\theta 1}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}\right)\Bigg)\,\mathrm{Sin}[\lambda 2]\Bigg)\Bigg)+$$

$$\frac{1}{r^2-r1^2}\,32\,r^2\,r1\Bigg(\mathrm{Cos}[\lambda]\,(-1+2\,\mathrm{Cos}[2\,\lambda])\Bigg(-\frac{1}{2\,r\,r1}\,\mathrm{Cos}[3\,\lambda 2]$$

$$\Bigg(\Bigg(2\left(r^2-2\,r\,r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticE}\Big[\frac{\theta 1}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Bigg)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}\right)-$$

$$\left(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticF}\Big[\frac{\theta 1}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}\right)\Bigg)-$$

$$\Bigg(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2+r1^2}}\left(-r^2-r1^2+r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2+r1^2}}+r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2+r1^2}}\right)(1+2\,\mathrm{Cos}[2\,\lambda 2])\,\mathrm{Sin}[\lambda 2]\Bigg)\Big/$$

$$\left(r\,r1\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}\right)\Bigg)+(1+2\,\mathrm{Cos}[2\,\lambda])\,\mathrm{Sin}[\lambda]$$

$$\Bigg(\Bigg(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2+r1^2}}\left(-r^2-r1^2+r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2+r1^2}}+r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2+r1^2}}\right)\mathrm{Cos}[\lambda 2]$$

$$(-1+2\,\mathrm{Cos}[2\,\lambda 2])\Bigg)\Big/\left(r\,r1\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}\right)-\frac{1}{2\,r\,r1}$$

$$\left(\left(2\left(r^2-2\,r\,r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticE}\left[\frac{\theta1}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}\right)-\left(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticF}\left[\frac{\theta1}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}\right)\right)\mathrm{Sin}[3\,\lambda2]\right)\right)-$$

$$\frac{1}{r^2-r1^2}\,12\,r1^3\left(\mathrm{Cos}[\lambda]\,(-1+2\,\mathrm{Cos}[2\,\lambda])\left(-\frac{1}{2\,r\,r1}\,\mathrm{Cos}[3\,\lambda2]\right.\right.$$

$$\left(\left(2\left(r^2-2\,r\,r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticE}\left[\frac{\theta1}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}\right)-\left(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticF}\left[\frac{\theta1}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}\right)\right)-$$

$$\left(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}{r^2+r1^2}}\left(-r^2-r1^2+r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}{r^2+r1^2}}+r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}{r^2+r1^2}}\right)(1+2\,\mathrm{Cos}[2\,\lambda2])\,\mathrm{Sin}[\lambda2]\right)\Big/\left(r\,r1\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}\right)\Bigg)+(1+2\,\mathrm{Cos}[2\,\lambda])\,\mathrm{Sin}[\lambda]$$

$$\left(\left(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}{r^2+r1^2}}\left(-r^2-r1^2+r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}{r^2+r1^2}}+\right.\right.\right.$$

$$r1^2 \sqrt{\frac{r^2 + r1^2 - 2\, r\, r1 \operatorname{Cos}[\theta 1]}{r^2 + r1^2}}\Bigg) \operatorname{Cos}[\lambda 2]$$

$$(-1 + 2 \operatorname{Cos}[2\, \lambda 2])\Bigg) \Big/ \left(r\, r1 \sqrt{r^2 + r1^2 - 2\, r\, r1 \operatorname{Cos}[\theta 1]}\right) - \frac{1}{2\, r\, r1}$$

$$\Bigg(\Bigg(2 \left(r^2 - 2\, r\, r1 + r1^2\right) \sqrt{\frac{r^2 + r1^2 - 2\, r\, r1 \operatorname{Cos}[\theta 1]}{r^2 - 2\, r\, r1 + r1^2}} \operatorname{EllipticE}\Big[$$

$$\frac{\theta 1}{2}, -\frac{4\, r\, r1}{r^2 - 2\, r\, r1 + r1^2}\Big]\Bigg) \Big/ \left(\sqrt{r^2 + r1^2 - 2\, r\, r1 \operatorname{Cos}[\theta 1]}\right) -$$

$$\Bigg(2 \left(r^2 + r1^2\right) \sqrt{\frac{r^2 + r1^2 - 2\, r\, r1 \operatorname{Cos}[\theta 1]}{r^2 - 2\, r\, r1 + r1^2}} \operatorname{EllipticF}\Big[$$

$$\frac{\theta 1}{2}, -\frac{4\, r\, r1}{r^2 - 2\, r\, r1 + r1^2}\Big]\Bigg) \Big/$$

$$\left(\sqrt{r^2 + r1^2 - 2\, r\, r1 \operatorname{Cos}[\theta 1]}\right)\Bigg) \operatorname{Sin}[3\, \lambda 2]\Bigg)\Bigg) -$$

$$\frac{1}{r^2 \left(r^2 - r1^2\right)} 8\, r1^5 \Bigg(\operatorname{Cos}[\lambda]\, (-1 + 2 \operatorname{Cos}[2\, \lambda])\, \Bigg(-\frac{1}{2\, r\, r1} \operatorname{Cos}[3\, \lambda 2]$$

$$\Bigg(\Bigg(2 \left(r^2 - 2\, r\, r1 + r1^2\right) \sqrt{\frac{r^2 + r1^2 - 2\, r\, r1 \operatorname{Cos}[\theta 1]}{r^2 - 2\, r\, r1 + r1^2}} \operatorname{EllipticE}\Big[\frac{\theta 1}{2},$$

$$-\frac{4\, r\, r1}{r^2 - 2\, r\, r1 + r1^2}\Big]\Bigg) \Big/ \left(\sqrt{r^2 + r1^2 - 2\, r\, r1 \operatorname{Cos}[\theta 1]}\right) -$$

$$\Bigg(2 \left(r^2 + r1^2\right) \sqrt{\frac{r^2 + r1^2 - 2\, r\, r1 \operatorname{Cos}[\theta 1]}{r^2 - 2\, r\, r1 + r1^2}} \operatorname{EllipticF}\Big[\frac{\theta 1}{2},$$

$$-\frac{4\, r\, r1}{r^2 - 2\, r\, r1 + r1^2}\Big]\Bigg) \Big/ \left(\sqrt{r^2 + r1^2 - 2\, r\, r1 \operatorname{Cos}[\theta 1]}\right)\Bigg) -$$

$$\Bigg(\sqrt{\frac{r^2 + r1^2 - 2\, r\, r1 \operatorname{Cos}[\theta 1]}{r^2 + r1^2}} \Bigg(-r^2 - r1^2 + r^2 \sqrt{\frac{r^2 + r1^2 - 2\, r\, r1 \operatorname{Cos}[\theta 1]}{r^2 + r1^2}} +$$

$$r1^2 \sqrt{\frac{r^2 + r1^2 - 2\, r\, r1 \operatorname{Cos}[\theta 1]}{r^2 + r1^2}}\Bigg) (1 + 2 \operatorname{Cos}[2\, \lambda 2])\, \operatorname{Sin}[\lambda 2]\Bigg) \Big/$$

$$\left(r\, r1\, \sqrt{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 1]}\right)\Bigg) + (1 + 2\, \mathrm{Cos}[2\, \lambda])\, \mathrm{Sin}[\lambda]$$

$$\Bigg(\Bigg(\sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 1]}{r^2 + r1^2}}\, \Bigg(-r^2 - r1^2 + r^2\, \sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 1]}{r^2 + r1^2}} +$$

$$r1^2\, \sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 1]}{r^2 + r1^2}}\Bigg)\, \mathrm{Cos}[\lambda 2]$$

$$(-1 + 2\, \mathrm{Cos}[2\, \lambda 2])\Bigg) \Big/ \left(r\, r1\, \sqrt{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 1]}\right) - \frac{1}{2\, r\, r1}$$

$$\Bigg(\Bigg(2\, \left(r^2 - 2\, r\, r1 + r1^2\right)\, \sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 1]}{r^2 - 2\, r\, r1 + r1^2}}\, \mathrm{EllipticE}\Big[$$

$$\frac{\theta 1}{2}, -\frac{4\, r\, r1}{r^2 - 2\, r\, r1 + r1^2}\Big]\Bigg) \Big/ \left(\sqrt{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 1]}\right) -$$

$$\Bigg(2\, \left(r^2 + r1^2\right)\, \sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 1]}{r^2 - 2\, r\, r1 + r1^2}}\, \mathrm{EllipticF}\Big[$$

$$\frac{\theta 1}{2}, -\frac{4\, r\, r1}{r^2 - 2\, r\, r1 + r1^2}\Big]\Bigg) \Big/$$

$$\left(\sqrt{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 1]}\right)\Bigg)\, \mathrm{Sin}[3\, \lambda 2]\Bigg)\Bigg) +$$

$$\frac{1}{r^2 - r1^2}\, 32\, r^2\, r1\, \Bigg(\mathrm{Cos}[\lambda]\, (-1 + 2\, \mathrm{Cos}[2\, \lambda])\, \Bigg(-\frac{1}{2\, r\, r1}\, \mathrm{Cos}[3\, \lambda 2]$$

$$\Bigg(\Bigg(2\, \left(r^2 - 2\, r\, r1 + r1^2\right)\, \sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 1]}{r^2 - 2\, r\, r1 + r1^2}}\, \mathrm{EllipticE}\Big[\frac{\theta 1}{2},$$

$$-\frac{4\, r\, r1}{r^2 - 2\, r\, r1 + r1^2}\Big]\Bigg) \Big/ \left(\sqrt{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 1]}\right) -$$

$$\Bigg(2\, \left(r^2 + r1^2\right)\, \sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 1]}{r^2 - 2\, r\, r1 + r1^2}}\, \mathrm{EllipticF}\Big[\frac{\theta 1}{2},$$

$$-\frac{4\, r\, r1}{r^2 - 2\, r\, r1 + r1^2}\Big]\Bigg) \Big/ \left(\sqrt{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 1]}\right)\Bigg) +$$

$$\left(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2+r1^2}}\left(-r^2-r1^2+r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2+r1^2}}+\right.\right.$$

$$\left.\left.r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2+r1^2}}\right)(1+2\,\mathrm{Cos}[2\,\lambda 2])\,\mathrm{Sin}[\lambda 2]\right)\Big/$$

$$\left.\left(r\,r1\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}\right)\right)-(1+2\,\mathrm{Cos}[2\,\lambda])\,\mathrm{Sin}[\lambda]$$

$$\left(\left(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2+r1^2}}\left(-r^2-r1^2+r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2+r1^2}}+\right.\right.\right.$$

$$\left.r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2+r1^2}}\right)\mathrm{Cos}[\lambda 2]$$

$$\left.(-1+2\,\mathrm{Cos}[2\,\lambda 2])\right)\Big/\left(r\,r1\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}\right)+\frac{1}{2\,r\,r1}$$

$$\left(\left(2\left(r^2-2\,r\,r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r1+r1^2}}\,\mathrm{EllipticE}\Big[\right.\right.$$

$$\left.\frac{\theta 1}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}\right)-$$

$$\left(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r1+r1^2}}\,\mathrm{EllipticF}\Big[\right.$$

$$\left.\frac{\theta 1}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\right)\Big/$$

$$\left.\left.\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}\right)\right)\mathrm{Sin}[3\,\lambda 2]\right)\right)-$$

$$\frac{1}{r^2-r1^2}\,12\,r1^3\left(\mathrm{Cos}[\lambda]\,(-1+2\,\mathrm{Cos}[2\,\lambda])\left(-\frac{1}{2\,r\,r1}\,\mathrm{Cos}[3\,\lambda 2]\right.\right.$$

$$\left(\left(2\left(r^2-2\,r\,r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r1+r1^2}}\,\mathrm{EllipticE}\Big[\frac{\theta 1}{2},\right.\right.$$

$$\left.-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}\right)-$$

$$\left(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticF}\left[\frac{\theta1}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}\right)\Bigg)+$$

$$\left(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}{r^2+r1^2}}\left(-r^2-r1^2+r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}{r^2+r1^2}}+r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}{r^2+r1^2}}\right)(1+2\,\mathrm{Cos}[2\,\lambda2])\,\mathrm{Sin}[\lambda2]\right)\Big/$$

$$\left(r\,r1\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}\right)\Bigg)-(1+2\,\mathrm{Cos}[2\,\lambda])\,\mathrm{Sin}[\lambda]$$

$$\left(\left(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}{r^2+r1^2}}\left(-r^2-r1^2+r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}{r^2+r1^2}}+r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}{r^2+r1^2}}\right)\mathrm{Cos}[\lambda2]\right.\right.$$

$$\left.(-1+2\,\mathrm{Cos}[2\,\lambda2])\right)\Big/\left(r\,r1\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}\right)+\frac{1}{2\,r\,r1}$$

$$\left(\left(2\left(r^2-2\,r\,r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticE}\left[\frac{\theta1}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}\right)-\right.$$

$$\left(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticF}\left[\frac{\theta1}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\right)\Big/$$

$$\left.\left.\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}\right)\right)\mathrm{Sin}[3\,\lambda2]\right)\Bigg)-$$

$$\frac{1}{r^2\left(r^2-r1^2\right)}\,8\,r1^5\left(\mathrm{Cos}[\lambda]\,(-1+2\,\mathrm{Cos}[2\,\lambda])\left(-\frac{1}{2\,r\,r1}\,\mathrm{Cos}[3\,\lambda2]\right.\right.$$

$$\left(\left(2\left(r^2-2\,r\,r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticE}\left[\frac{\theta1}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}\right)-\left(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticF}\left[\frac{\theta1}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}\right)\right)+\left(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}{r^2+r1^2}}\left(-r^2-r1^2+r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}{r^2+r1^2}}+r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}{r^2+r1^2}}\right)(1+2\,\mathrm{Cos}[2\,\lambda2])\,\mathrm{Sin}[\lambda2]\right)\Big/\left(r\,r1\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}\right)\right)-(1+2\,\mathrm{Cos}[2\,\lambda])\,\mathrm{Sin}[\lambda]$$

$$\left(\left(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}{r^2+r1^2}}\left(-r^2-r1^2+r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}{r^2+r1^2}}+r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}{r^2+r1^2}}\right)\mathrm{Cos}[\lambda2]\right.\right.$$

$$\left.(-1+2\,\mathrm{Cos}[2\,\lambda2])\right)\Big/\left(r\,r1\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}\right)+\frac{1}{2\,r\,r1}$$

$$\left(\left(2\left(r^2-2\,r\,r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticE}\left[\frac{\theta1}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}\right)-\left(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticF}\left[\frac{\theta1}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\right)\Big/$$

$$\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 1]}\right)\Bigg)\,\mathrm{Sin}[3\,\lambda 2]\Bigg)\Bigg)-$$

$$\frac{1}{r^2-r2^2}\,32\,r^2\,r2\,\Bigg(\mathrm{Cos}[\lambda]\,(-1+2\,\mathrm{Cos}[2\,\lambda])\,\Bigg(-\frac{1}{2\,r\,r2}\,\mathrm{Cos}[3\,\lambda 2]$$

$$\Bigg(\Bigg(2\,(r^2-2\,r\,r2+r2^2)\,\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r2+r2^2}}\,\mathrm{EllipticE}\Big[\frac{\theta 1}{2},$$

$$-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\Bigg)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}\right)-$$

$$\Bigg(2\,(r^2+r2^2)\,\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r2+r2^2}}\,\mathrm{EllipticF}\Big[\frac{\theta 1}{2},$$

$$-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\Bigg)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}\right)\Bigg)-$$

$$\Bigg(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}\,\Bigg(-r^2-r2^2+r^2\,\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}+$$

$$r2^2\,\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}\Bigg)\,(1+2\,\mathrm{Cos}[2\,\lambda 2])\,\mathrm{Sin}[\lambda 2]\Bigg)\Big/$$

$$\left(r\,r2\,\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}\right)\Bigg)+(1+2\,\mathrm{Cos}[2\,\lambda])\,\mathrm{Sin}[\lambda]$$

$$\Bigg(\Bigg(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}\,\Bigg(-r^2-r2^2+r^2\,\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}+$$

$$r2^2\,\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}\Bigg)\,\mathrm{Cos}[\lambda 2]$$

$$(-1+2\,\mathrm{Cos}[2\,\lambda 2])\Bigg)\Big/\left(r\,r2\,\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}\right)-\frac{1}{2\,r\,r2}$$

$$\Bigg(\Bigg(2\,(r^2-2\,r\,r2+r2^2)\,\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r2+r2^2}}\,\mathrm{EllipticE}\Big[$$

$$\frac{\theta 1}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\Bigg)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}\right)-$$

$$\left(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticF}\Big[\frac{\theta 1}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}\right)\Bigg)\,\mathrm{Sin}[3\,\lambda 2]\Bigg)\Bigg)+$$

$$\frac{1}{r^2-r2^2}\,12\,r2^3\Bigg(\mathrm{Cos}[\lambda]\,(-1+2\,\mathrm{Cos}[2\,\lambda])\Bigg(-\frac{1}{2\,r\,r2}\,\mathrm{Cos}[3\,\lambda 2]$$

$$\Bigg(\Bigg(2\left(r^2-2\,r\,r2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticE}\Big[\frac{\theta 1}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\Bigg)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}\right)-$$

$$\left(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticF}\Big[\frac{\theta 1}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}\right)\Bigg)-$$

$$\Bigg(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}\left(-r^2-r2^2+r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}+r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}\right)(1+2\,\mathrm{Cos}[2\,\lambda 2])\,\mathrm{Sin}[\lambda 2]\Bigg)\Big/$$

$$\left(r\,r2\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}\right)\Bigg)+(1+2\,\mathrm{Cos}[2\,\lambda])\,\mathrm{Sin}[\lambda]$$

$$\Bigg(\Bigg(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}\left(-r^2-r2^2+r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}+r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}\right)\mathrm{Cos}[\lambda 2]$$

$$(-1+2\,\mathrm{Cos}[2\,\lambda 2])\Bigg)\Big/\left(r\,r2\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}\right)-\frac{1}{2\,r\,r2}$$

$$\left(\left(2\left(r^2-2\,r\,r2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticE}\left[\frac{\theta 1}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}\right)-\left(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticF}\left[\frac{\theta 1}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}\right)\right)\mathrm{Sin}[3\,\lambda 2]\right)\right)+$$

$$\frac{1}{r^2\left(r^2-r2^2\right)}\,8\,r2^5\left(\mathrm{Cos}[\lambda]\,(-1+2\,\mathrm{Cos}[2\,\lambda])\left(-\frac{1}{2\,r\,r2}\,\mathrm{Cos}[3\,\lambda 2]\right.\right.$$

$$\left(\left(2\left(r^2-2\,r\,r2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticE}\left[\frac{\theta 1}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}\right)-\left(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticF}\left[\frac{\theta 1}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}\right)\right)-$$

$$\left(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}\left(-r^2-r2^2+r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}+r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}\right)(1+2\,\mathrm{Cos}[2\,\lambda 2])\,\mathrm{Sin}[\lambda 2]\right)\Big/$$

$$\left(r\,r2\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}\right)\Bigg)+(1+2\,\mathrm{Cos}[2\,\lambda])\,\mathrm{Sin}[\lambda]$$

$$\left(\left(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}\left(-r^2-r2^2+r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}+\right.\right.\right.$$

$$r2^2 \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 1]}{r^2 + r2^2}}\Bigg) \mathrm{Cos}[\lambda 2]$$

$$(-1 + 2\, \mathrm{Cos}[2\, \lambda 2])\Bigg) \Big/ \left(r\, r2\, \sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 1]}\right) - \frac{1}{2\, r\, r2}$$

$$\Bigg(\Bigg(2\, (r^2 - 2\, r\, r2 + r2^2)\, \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 1]}{r^2 - 2\, r\, r2 + r2^2}}\, \mathrm{EllipticE}\Big[$$

$$\frac{\theta 1}{2}, -\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\Big]\Bigg) \Big/ \left(\sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 1]}\right) -$$

$$\Bigg(2\, (r^2 + r2^2)\, \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 1]}{r^2 - 2\, r\, r2 + r2^2}}\, \mathrm{EllipticF}\Big[$$

$$\frac{\theta 1}{2}, -\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\Big]\Bigg) \Big/$$

$$\left(\sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 1]}\right)\Bigg) \mathrm{Sin}[3\, \lambda 2]\Bigg)\Bigg) -$$

$$\frac{1}{r^2 - r2^2}\, 32\, r^2\, r2 \Bigg(\mathrm{Cos}[\lambda]\, (-1 + 2\, \mathrm{Cos}[2\, \lambda])\, \Bigg(-\frac{1}{2\, r\, r2}\, \mathrm{Cos}[3\, \lambda 2]$$

$$\Bigg(\Bigg(2\, (r^2 - 2\, r\, r2 + r2^2)\, \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 1]}{r^2 - 2\, r\, r2 + r2^2}}\, \mathrm{EllipticE}\Big[\frac{\theta 1}{2},$$

$$-\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\Big]\Bigg) \Big/ \left(\sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 1]}\right) -$$

$$\Bigg(2\, (r^2 + r2^2)\, \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 1]}{r^2 - 2\, r\, r2 + r2^2}}\, \mathrm{EllipticF}\Big[\frac{\theta 1}{2},$$

$$-\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\Big]\Bigg) \Big/ \left(\sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 1]}\right)\Bigg) +$$

$$\Bigg(\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 1]}{r^2 + r2^2}}\, \Bigg(-r^2 - r2^2 + r^2\, \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 1]}{r^2 + r2^2}} +$$

$$r2^2\, \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 1]}{r^2 + r2^2}}\Bigg)\, (1 + 2\, \mathrm{Cos}[2\, \lambda 2])\, \mathrm{Sin}[\lambda 2]\Bigg) \Big/$$

$$\left(r\, r2\, \sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 1]}\right)\Bigg) - (1 + 2\, \mathrm{Cos}[2\, \lambda])\, \mathrm{Sin}[\lambda]$$

$$\Bigg(\Bigg(\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 1]}{r^2 + r2^2}}\, \Bigg(-r^2 - r2^2 + r^2\, \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 1]}{r^2 + r2^2}} +$$

$$r2^2\, \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 1]}{r^2 + r2^2}}\Bigg)\, \mathrm{Cos}[\lambda 2]$$

$$(-1 + 2\, \mathrm{Cos}[2\, \lambda 2])\Bigg) \Big/ \left(r\, r2\, \sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 1]}\right) + \frac{1}{2\, r\, r2}$$

$$\Bigg(\Bigg(2\, \left(r^2 - 2\, r\, r2 + r2^2\right)\, \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 1]}{r^2 - 2\, r\, r2 + r2^2}}\, \mathrm{EllipticE}\Big[$$

$$\frac{\theta 1}{2}, -\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\Big]\Bigg) \Big/ \left(\sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 1]}\right) -$$

$$\Bigg(2\, \left(r^2 + r2^2\right)\, \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 1]}{r^2 - 2\, r\, r2 + r2^2}}\, \mathrm{EllipticF}\Big[$$

$$\frac{\theta 1}{2}, -\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\Big]\Bigg) \Big/$$

$$\left(\sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 1]}\right)\Bigg)\, \mathrm{Sin}[3\, \lambda 2]\Bigg)\Bigg) +$$

$$\frac{1}{r^2 - r2^2}\, 12\, r2^3\, \Bigg(\mathrm{Cos}[\lambda]\, (-1 + 2\, \mathrm{Cos}[2\, \lambda])\, \Bigg(-\frac{1}{2\, r\, r2}\, \mathrm{Cos}[3\, \lambda 2]$$

$$\Bigg(\Bigg(2\, \left(r^2 - 2\, r\, r2 + r2^2\right)\, \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 1]}{r^2 - 2\, r\, r2 + r2^2}}\, \mathrm{EllipticE}\Big[\frac{\theta 1}{2},$$

$$-\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\Big]\Bigg) \Big/ \left(\sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 1]}\right) -$$

$$\Bigg(2\, \left(r^2 + r2^2\right)\, \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 1]}{r^2 - 2\, r\, r2 + r2^2}}\, \mathrm{EllipticF}\Big[\frac{\theta 1}{2},$$

$$-\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\Big]\Bigg) \Big/ \left(\sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 1]}\right)\Bigg) +$$

$$\left(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}\left(-r^2-r2^2+r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}+r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}\right)(1+2\,\mathrm{Cos}[2\,\lambda 2])\,\mathrm{Sin}[\lambda 2]\right)\Big/\left(r\,r2\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}\right)\Bigg)-(1+2\,\mathrm{Cos}[2\,\lambda])\,\mathrm{Sin}[\lambda]$$

$$\Bigg(\Bigg(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}\left(-r^2-r2^2+r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}+r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2+r2^2}}\right)\mathrm{Cos}[\lambda 2]$$

$$(-1+2\,\mathrm{Cos}[2\,\lambda 2])\Bigg)\Big/\left(r\,r2\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}\right)+\frac{1}{2\,r\,r2}$$

$$\Bigg(\Bigg(2\left(r^2-2\,r\,r2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r2+r2^2}}\,\mathrm{EllipticE}\Big[\frac{\theta 1}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\Bigg)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}\right)-$$

$$\Bigg(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r2+r2^2}}\,\mathrm{EllipticF}\Big[\frac{\theta 1}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\Bigg)\Big/$$

$$\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}\right)\Bigg)\,\mathrm{Sin}[3\,\lambda 2]\Bigg)\Bigg)+$$

$$\frac{1}{r^2\left(r^2-r2^2\right)}\,8\,r2^5\Bigg(\mathrm{Cos}[\lambda]\,(-1+2\,\mathrm{Cos}[2\,\lambda])\Bigg(-\frac{1}{2\,r\,r2}\,\mathrm{Cos}[3\,\lambda 2]$$

$$\Bigg(\Bigg(2\left(r^2-2\,r\,r2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}{r^2-2\,r\,r2+r2^2}}\,\mathrm{EllipticE}\Big[\frac{\theta 1}{2},$$

$$-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\Bigg)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 1]}\right)-$$

$$\left(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta1]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticF}\left[\frac{\theta1}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta1]}\right)\Bigg)+$$

$$\left(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta1]}{r^2+r2^2}}\left(-r^2-r2^2+r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta1]}{r^2+r2^2}}+r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta1]}{r^2+r2^2}}\right)(1+2\,\mathrm{Cos}[2\,\lambda2])\,\mathrm{Sin}[\lambda2]\right)\Big/$$

$$\left(r\,r2\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta1]}\right)\Bigg)-(1+2\,\mathrm{Cos}[2\,\lambda])\,\mathrm{Sin}[\lambda]$$

$$\left(\left(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta1]}{r^2+r2^2}}\left(-r^2-r2^2+r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta1]}{r^2+r2^2}}+r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta1]}{r^2+r2^2}}\right)\mathrm{Cos}[\lambda2]\right.\right.$$

$$\left.(-1+2\,\mathrm{Cos}[2\,\lambda2])\right)\Big/\left(r\,r2\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta1]}\right)+\frac{1}{2\,r\,r2}$$

$$\left(\left(2\left(r^2-2\,r\,r2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta1]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticE}\left[\frac{\theta1}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta1]}\right)-\right.$$

$$\left(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta1]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticF}\left[\frac{\theta1}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\right]\right)\Big/$$

$$\left.\left.\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta1]}\right)\right)\mathrm{Sin}[3\,\lambda2]\right)\right)+$$

$$\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}\left(\frac{1}{r^2-r1^2}\,32\,(2\,r1\,\mathrm{Cos}[3\,\lambda-3\,\lambda1]+r\right.$$

$$\mathrm{Cos}[\theta1+3\,\lambda-3\,\lambda1]+r\,\mathrm{Cos}[\theta1-3\,\lambda+3\,\lambda1]-2\,r1\,\mathrm{Cos}[3\,\lambda-3\,\lambda2]-r$$

$$\mathrm{Cos}[\theta1+3\,\lambda-3\,\lambda2]-r\,\mathrm{Cos}[\theta1-3\,\lambda+3\,\lambda2])\,\mathrm{Csc}[\theta1]+$$

$$\left(2\left(15\,r^2\,r1^3\,\mathrm{Sin}[\theta1+3\lambda-3\lambda1]+5\,r1^5\,\mathrm{Sin}[\theta1+3\lambda-3\lambda1]+\right.\right.$$
$$9\,r^2\,r1^3\,\mathrm{Sin}[\theta1+\lambda-\lambda1]-45\,r1^5\,\mathrm{Sin}[\theta1+\lambda-\lambda1]+$$
$$9\,r^2\,r1^3\,\mathrm{Sin}[\theta1-\lambda+\lambda1]-45\,r1^5\,\mathrm{Sin}[\theta1-\lambda+\lambda1]+$$
$$15\,r^2\,r1^3\,\mathrm{Sin}[\theta1-3\lambda+3\lambda1]+5\,r1^5\,\mathrm{Sin}[\theta1-3\lambda+3\lambda1]-$$
$$15\,r^2\,r1^3\,\mathrm{Sin}[\theta1+3\lambda-3\lambda2]-5\,r1^5\,\mathrm{Sin}[\theta1+3\lambda-3\lambda2]-$$
$$9\,r^2\,r1^3\,\mathrm{Sin}[\theta1+\lambda-\lambda2]+45\,r1^5\,\mathrm{Sin}[\theta1+\lambda-\lambda2]-$$
$$9\,r^2\,r1^3\,\mathrm{Sin}[\theta1-\lambda+\lambda2]+45\,r1^5\,\mathrm{Sin}[\theta1-\lambda+\lambda2]-$$
$$\left.\left.15\,r^2\,r1^3\,\mathrm{Sin}[\theta1-3\lambda+3\lambda2]-5\,r1^5\,\mathrm{Sin}[\theta1-3\lambda+3\lambda2]\right)\right)\Big/$$
$$\left(r^2\left(r^2-r1^2\right)\left(-r^2-r1^2+2\,r\,r1\,\mathrm{Cos}[\theta1]\right)\right)+$$
$$\frac{1}{r^2\left(-r^2-r1^2+2\,r\,r1\,\mathrm{Cos}[\theta1]\right)^2}$$
$$2\left(r^2\,r1^3\,\mathrm{Sin}[\theta1+3\lambda-3\lambda1]-r1^5\,\mathrm{Sin}[\theta1+3\lambda-3\lambda1]-9\right.$$
$$r^2\,r1^3\,\mathrm{Sin}[\theta1+\lambda-\lambda1]+9\,r1^5\,\mathrm{Sin}[\theta1+\lambda-\lambda1]-9\,r^2$$
$$r1^3\,\mathrm{Sin}[\theta1-\lambda+\lambda1]+9\,r1^5\,\mathrm{Sin}[\theta1-\lambda+\lambda1]+r^2\,r1^3$$
$$\mathrm{Sin}[\theta1-3\lambda+3\lambda1]-r1^5\,\mathrm{Sin}[\theta1-3\lambda+3\lambda1]-r^2$$
$$r1^3\,\mathrm{Sin}[\theta1+3\lambda-3\lambda2]+r1^5\,\mathrm{Sin}[\theta1+3\lambda-3\lambda2]+9$$
$$r^2\,r1^3\,\mathrm{Sin}[\theta1+\lambda-\lambda2]-9\,r1^5\,\mathrm{Sin}[\theta1+\lambda-\lambda2]+9$$
$$r^2\,r1^3\,\mathrm{Sin}[\theta1-\lambda+\lambda2]-9\,r1^5\,\mathrm{Sin}[\theta1-\lambda+\lambda2]-r^2$$
$$\left.r1^3\,\mathrm{Sin}[\theta1-3\lambda+3\lambda2]+r1^5\,\mathrm{Sin}[\theta1-3\lambda+3\lambda2]\right)\Bigg)+$$

$$\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta1]}\left(-\frac{1}{r^2-r2^2}\,32\,(2\,r2\,\mathrm{Cos}[3\lambda-3\lambda1]+\right.$$
$$r\,\mathrm{Cos}[\theta1+3\lambda-3\lambda1]+r\,\mathrm{Cos}[\theta1-3\lambda+3\lambda1]-2\,r2\,\mathrm{Cos}[3\lambda-3\lambda2]-$$
$$r\,\mathrm{Cos}[\theta1+3\lambda-3\lambda2]-r\,\mathrm{Cos}[\theta1-3\lambda+3\lambda2])\,\mathrm{Csc}[\theta1]-$$
$$\left(2\left(15\,r^2\,r2^3\,\mathrm{Sin}[\theta1+3\lambda-3\lambda1]+5\,r2^5\,\mathrm{Sin}[\theta1+3\lambda-3\lambda1]+\right.\right.$$
$$9\,r^2\,r2^3\,\mathrm{Sin}[\theta1+\lambda-\lambda1]-45\,r2^5\,\mathrm{Sin}[\theta1+\lambda-\lambda1]+$$
$$9\,r^2\,r2^3\,\mathrm{Sin}[\theta1-\lambda+\lambda1]-45\,r2^5\,\mathrm{Sin}[\theta1-\lambda+\lambda1]+$$
$$15\,r^2\,r2^3\,\mathrm{Sin}[\theta1-3\lambda+3\lambda1]+5\,r2^5\,\mathrm{Sin}[\theta1-3\lambda+3\lambda1]-$$
$$15\,r^2\,r2^3\,\mathrm{Sin}[\theta1+3\lambda-3\lambda2]-5\,r2^5\,\mathrm{Sin}[\theta1+3\lambda-3\lambda2]-$$
$$9\,r^2\,r2^3\,\mathrm{Sin}[\theta1+\lambda-\lambda2]+45\,r2^5\,\mathrm{Sin}[\theta1+\lambda-\lambda2]-$$
$$9\,r^2\,r2^3\,\mathrm{Sin}[\theta1-\lambda+\lambda2]+45\,r2^5\,\mathrm{Sin}[\theta1-\lambda+\lambda2]-$$
$$\left.\left.15\,r^2\,r2^3\,\mathrm{Sin}[\theta1-3\lambda+3\lambda2]-5\,r2^5\,\mathrm{Sin}[\theta1-3\lambda+3\lambda2]\right)\right)\Big/$$
$$\left(r^2\left(r^2-r2^2\right)\left(-r^2-r2^2+2\,r\,r2\,\mathrm{Cos}[\theta1]\right)\right)-$$
$$\frac{1}{r^2\left(-r^2-r2^2+2\,r\,r2\,\mathrm{Cos}[\theta1]\right)^2}$$
$$2\left(r^2\,r2^3\,\mathrm{Sin}[\theta1+3\lambda-3\lambda1]-r2^5\,\mathrm{Sin}[\theta1+3\lambda-3\lambda1]-9\right.$$
$$r^2\,r2^3\,\mathrm{Sin}[\theta1+\lambda-\lambda1]+9\,r2^5\,\mathrm{Sin}[\theta1+\lambda-\lambda1]-9\,r^2$$
$$r2^3\,\mathrm{Sin}[\theta1-\lambda+\lambda1]+9\,r2^5\,\mathrm{Sin}[\theta1-\lambda+\lambda1]+r^2\,r2^3$$
$$\mathrm{Sin}[\theta1-3\lambda+3\lambda1]-r2^5\,\mathrm{Sin}[\theta1-3\lambda+3\lambda1]-r^2$$
$$r2^3\,\mathrm{Sin}[\theta1+3\lambda-3\lambda2]+r2^5\,\mathrm{Sin}[\theta1+3\lambda-3\lambda2]+9$$
$$r^2\,r2^3\,\mathrm{Sin}[\theta1+\lambda-\lambda2]-9\,r2^5\,\mathrm{Sin}[\theta1+\lambda-\lambda2]+9\,r^2$$
$$r2^3\,\mathrm{Sin}[\theta1-\lambda+\lambda2]-9\,r2^5\,\mathrm{Sin}[\theta1-\lambda+\lambda2]-r^2\,r2^3$$

$$\text{Sin}[\theta 1 - 3\,\lambda + 3\,\lambda 2] + r2^5\,\text{Sin}[\theta 1 - 3\,\lambda + 3\,\lambda 2]\Big)\Big)\Big) +$$

$$\frac{1}{96\,r}\Bigg(\Bigg(64\,r\,r1^2\sqrt{\frac{r^2 + r1^2 - 2\,r\,r1\,\text{Cos}[\theta 2]}{r^2 - 2\,r\,r1 + r1^2}}\,\text{Cos}[3\,\lambda - 3\,\lambda 1]$$

$$\text{EllipticF}\Big[\frac{\theta 2}{2},$$

$$-\frac{4\,r\,r1}{r^2 - 2\,r\,r1 + r1^2}\Big]\Bigg)\Big/$$

$$\Big(\left(r^2 - r1^2\right)\sqrt{r^2 + r1^2 - 2\,r\,r1\,\text{Cos}[\theta 2]}\Big) -$$

$$\Bigg(16\,r1^4\sqrt{\frac{r^2 + r1^2 - 2\,r\,r1\,\text{Cos}[\theta 2]}{r^2 - 2\,r\,r1 + r1^2}}$$

$$\text{Cos}[3\,\lambda - 3\,\lambda 1]$$

$$\text{EllipticF}\Big[\frac{\theta 2}{2},$$

$$-\frac{4\,r\,r1}{r^2 - 2\,r\,r1 + r1^2}\Big]\Bigg)\Big/$$

$$\Big(r\,\left(r^2 - r1^2\right)\sqrt{r^2 + r1^2 - 2\,r\,r1\,\text{Cos}[\theta 2]}\Big) +$$

$$\Bigg(144\,r1^4\sqrt{\frac{r^2 + r1^2 - 2\,r\,r1\,\text{Cos}[\theta 2]}{r^2 - 2\,r\,r1 + r1^2}}$$

$$\text{Cos}[\lambda - \lambda 1]$$

$$\text{EllipticF}\Big[\frac{\theta 2}{2},$$

$$-\frac{4\,r\,r1}{r^2 - 2\,r\,r1 + r1^2}\Big]\Bigg)\Big/$$

$$\Big(r\,\left(r^2 - r1^2\right)\sqrt{r^2 + r1^2 - 2\,r\,r1\,\text{Cos}[\theta 2]}\Big) -$$

$$\Bigg(64\,r\,r1^2\sqrt{\frac{r^2 + r1^2 - 2\,r\,r1\,\text{Cos}[\theta 2]}{r^2 - 2\,r\,r1 + r1^2}}$$

$$\text{Cos}[3\,\lambda - 3\,\lambda 2]$$

$$\text{EllipticF}\Big[\frac{\theta 2}{2},$$

$$-\frac{4\,r\,r1}{r^2 - 2\,r\,r1 + r1^2}\Big]\Bigg)\Big/$$

$$\Big(\left(r^2 - r1^2\right)\sqrt{r^2 + r1^2 - 2\,r\,r1\,\text{Cos}[\theta 2]}\Big) +$$

$$\left(16\, r1^4 \sqrt{\frac{r^2 + r1^2 - 2\, r\, r1 \operatorname{Cos}[\theta 2]}{r^2 - 2\, r\, r1 + r1^2}}\right.$$

$$\operatorname{Cos}[3\,\lambda - 3\,\lambda 2]$$

$$\operatorname{EllipticF}\left[\frac{\theta 2}{2},\right.$$

$$\left.\left. -\frac{4\, r\, r1}{r^2 - 2\, r\, r1 + r1^2}\right]\right) \Big/$$

$$\left(r\,\left(r^2 - r1^2\right)\,\sqrt{r^2 + r1^2 - 2\, r\, r1 \operatorname{Cos}[\theta 2]}\right) -$$

$$\left(144\, r1^4 \sqrt{\frac{r^2 + r1^2 - 2\, r\, r1 \operatorname{Cos}[\theta 2]}{r^2 - 2\, r\, r1 + r1^2}}\right.$$

$$\operatorname{Cos}[\lambda - \lambda 2]$$

$$\operatorname{EllipticF}\left[\frac{\theta 2}{2},\right.$$

$$\left.\left. -\frac{4\, r\, r1}{r^2 - 2\, r\, r1 + r1^2}\right]\right) \Big/$$

$$\left(r\,\left(r^2 - r1^2\right)\,\sqrt{r^2 + r1^2 - 2\, r\, r1 \operatorname{Cos}[\theta 2]}\right) -$$

$$\left(64\, r\, r2^2 \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2 \operatorname{Cos}[\theta 2]}{r^2 - 2\, r\, r2 + r2^2}}\right.$$

$$\operatorname{Cos}[3\,\lambda - 3\,\lambda 1]$$

$$\operatorname{EllipticF}\left[\frac{\theta 2}{2},\right.$$

$$\left.\left. -\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\right]\right) \Big/$$

$$\left(\left(r^2 - r2^2\right)\,\sqrt{r^2 + r2^2 - 2\, r\, r2 \operatorname{Cos}[\theta 2]}\right) +$$

$$\left(16\, r2^4 \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2 \operatorname{Cos}[\theta 2]}{r^2 - 2\, r\, r2 + r2^2}}\right.$$

$$\operatorname{Cos}[3\,\lambda - 3\,\lambda 1]$$

$$\operatorname{EllipticF}\left[\frac{\theta 2}{2},\right.$$

$$\left.\left. -\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\right]\right) \Big/$$

$$\left(r\,\left(r^2 - r2^2\right)\,\sqrt{r^2 + r2^2 - 2\, r\, r2 \operatorname{Cos}[\theta 2]}\right) -$$

$$\left(144\, r2^4 \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}{r^2 - 2\, r\, r2 + r2^2}}\right.$$

$$\mathrm{Cos}[\lambda - \lambda 1]$$

$$\mathrm{EllipticF}\left[\frac{\theta 2}{2},\right.$$

$$\left.\left. -\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\right]\right) \Big/$$

$$\left(r\, \left(r^2 - r2^2\right) \sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}\right) +$$

$$\left(64\, r\, r2^2 \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}{r^2 - 2\, r\, r2 + r2^2}}\right.$$

$$\mathrm{Cos}[3\, \lambda - 3\, \lambda 2]$$

$$\mathrm{EllipticF}\left[\frac{\theta 2}{2},\right.$$

$$\left.\left. -\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\right]\right) \Big/$$

$$\left(\left(r^2 - r2^2\right) \sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}\right) -$$

$$\left(16\, r2^4 \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}{r^2 - 2\, r\, r2 + r2^2}}\right.$$

$$\mathrm{Cos}[3\, \lambda - 3\, \lambda 2]$$

$$\mathrm{EllipticF}\left[\frac{\theta 2}{2},\right.$$

$$\left.\left. -\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\right]\right) \Big/$$

$$\left(r\, \left(r^2 - r2^2\right) \sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}\right) +$$

$$\left(144\, r2^4 \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}{r^2 - 2\, r\, r2 + r2^2}}\right.$$

$$\mathrm{Cos}[\lambda - \lambda 2]$$

$$\mathrm{EllipticF}\left[\frac{\theta 2}{2},\right.$$

$$\left.\left. -\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\right]\right) \Big/$$

$$\left(r\, \left(r^2 - r2^2\right) \sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}\right) + \frac{1}{r^2 - r1^2}$$

$$36$$

$$r1^3$$

$$\left(\text{Cos}[\lambda]\left(-\frac{1}{2\,r\,r1}\,\text{Cos}[\lambda 1]\right.\right.$$

$$\left(\left(2\left(r^2-2\,r\,r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 2]}{r^2-2\,r\,r1+r1^2}}\;\text{EllipticE}\left[\frac{\theta 2}{2},\right.\right.\right.$$

$$\left.\left.-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 2]}\right)-$$

$$\left(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 2]}{r^2-2\,r\,r1+r1^2}}\;\text{EllipticF}\left[\frac{\theta 2}{2},\right.\right.$$

$$\left.\left.\left.-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 2]}\right)\right)-$$

$$\left(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 2]}{r^2+r1^2}}\left(-r^2-r1^2+r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 2]}{r^2+r1^2}}+\right.\right.$$

$$\left.r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 2]}{r^2+r1^2}}\right)$$

$$\left.\text{Sin}[\lambda 1]\right)\Big/\left(r\,r1\sqrt{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 2]}\right)\Bigg)+$$

$$\text{Sin}[\lambda]\left(\left(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 2]}{r^2+r1^2}}\left(-r^2-r1^2+r^2\right.\right.\right.$$

$$\left.\left.\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 2]}{r^2+r1^2}}+r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 2]}{r^2+r1^2}}\right)$$

$$\left.\text{Cos}[\lambda 1]\right)\Big/\left(r\,r1\sqrt{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 2]}\right)-$$

$$\frac{1}{2\,r\,r1}\left(\left(2\left(r^2-2\,r\,r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 2]}{r^2-2\,r\,r1+r1^2}}\;\text{EllipticE}\left[\right.\right.\right.$$

$$\left.\left.\frac{\theta 2}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\right]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 2]}\right)-$$

$$\left(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 2]}{r^2-2\,r\,r1+r1^2}}\;\text{EllipticF}\left[\right.\right.$$

$$\frac{\theta 2}{2}, -\frac{4\, r\, r1}{r^2 - 2\, r\, r1 + r1^2}\Big]\Big)\Big/$$

$$\left(\sqrt{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 2]}\right)\Big)\, \mathrm{Sin}[\lambda 1]\Big)\Big) -$$

$$\frac{1}{r^2\left(r^2 - r1^2\right)}\, 72\, r1^5 \Big(\mathrm{Cos}[\lambda]\Big(-\frac{1}{2\, r\, r1}\, \mathrm{Cos}[\lambda 1]\Big(\Big(2\left(r^2 - 2\, r\, r1 + r1^2\right)$$

$$\sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 2]}{r^2 - 2\, r\, r1 + r1^2}}\, \mathrm{EllipticE}\Big[\frac{\theta 2}{2},$$

$$-\frac{4\, r\, r1}{r^2 - 2\, r\, r1 + r1^2}\Big]\Big)\Big/\left(\sqrt{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 2]}\right) -$$

$$\Big(2\left(r^2 + r1^2\right)\sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 2]}{r^2 - 2\, r\, r1 + r1^2}}\, \mathrm{EllipticF}\Big[\frac{\theta 2}{2},$$

$$-\frac{4\, r\, r1}{r^2 - 2\, r\, r1 + r1^2}\Big]\Big)\Big/\left(\sqrt{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 2]}\right)\Big) -$$

$$\Big(\sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 2]}{r^2 + r1^2}}\Big(-r^2 - r1^2 + r^2\sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 2]}{r^2 + r1^2}} +$$

$$r1^2\sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 2]}{r^2 + r1^2}}\Big)$$

$$\mathrm{Sin}[\lambda 1]\Big)\Big/\left(r\, r1\sqrt{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 2]}\right)\Big) +$$

$$\mathrm{Sin}[\lambda]\Big(\Big(\sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 2]}{r^2 + r1^2}}\Big(-r^2 - r1^2 + r^2$$

$$\sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 2]}{r^2 + r1^2}} + r1^2\sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 2]}{r^2 + r1^2}}\Big)$$

$$\mathrm{Cos}[\lambda 1]\Big)\Big/\left(r\, r1\sqrt{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 2]}\right) -$$

$$\frac{1}{2\, r\, r1}\Big(\Big(2\left(r^2 - 2\, r\, r1 + r1^2\right)\sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 2]}{r^2 - 2\, r\, r1 + r1^2}}\, \mathrm{EllipticE}\Big[$$

$$\frac{\theta 2}{2}, -\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Big)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\right)-$$

$$\left(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticF}\Big[\right.$$

$$\left.\frac{\theta 2}{2}, -\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\right)\Big/$$

$$\left.\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\right)\right)\mathrm{Sin}[\lambda 1]\Big)\Big)+$$

$$\frac{1}{r^2-r1^2}\,36\,r1^3\left(\mathrm{Cos}[\lambda]\left(-\frac{1}{2\,r\,r1}\,\mathrm{Cos}[\lambda 1]\left(\left(2\left(r^2-2\,r\,r1+r1^2\right)\right.\right.\right.\right.$$

$$\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticE}\Big[\frac{\theta 2}{2},$$

$$-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Big)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\right)-$$

$$\left(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticF}\Big[\frac{\theta 2}{2},\right.$$

$$\left.-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\right)\Big)+$$

$$\left(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}\left(-r^2-r1^2+r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}+\right.\right.$$

$$\left.r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}\right)$$

$$\mathrm{Sin}[\lambda 1]\Big)\Big/\left(r\,r1\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\right)\Big)-$$

$$\mathrm{Sin}[\lambda]\left(\left(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}\left(-r^2-r1^2+r^2\right.\right.\right.$$

$$\left.\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}+r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}\right)$$

$$\text{Cos}[\lambda 1]\Big)\Big/\left(r\,r1\,\sqrt{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 2]}\right)+$$

$$\frac{1}{2\,r\,r1}\left(\left(2\left(r^2-2\,r\,r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 2]}{r^2-2\,r\,r1+r1^2}}\;\text{EllipticE}\Big[\frac{\theta 2}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 2]}\right)-\right.$$

$$\left(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 2]}{r^2-2\,r\,r1+r1^2}}\;\text{EllipticF}\Big[\frac{\theta 2}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\right)\Big/$$

$$\left.\left(\sqrt{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 2]}\right)\right)\text{Sin}[\lambda 1]\Big)\Big)-$$

$$\frac{1}{r^2\left(r^2-r1^2\right)}\,72\,r1^5\left(\text{Cos}[\lambda]\left(-\frac{1}{2\,r\,r1}\,\text{Cos}[\lambda 1]\left(\left(2\left(r^2-2\,r\,r1+r1^2\right)\right.\right.\right.\right.$$

$$\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 2]}{r^2-2\,r\,r1+r1^2}}\;\text{EllipticE}\Big[\frac{\theta 2}{2},$$

$$-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Big)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 2]}\right)-$$

$$\left(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 2]}{r^2-2\,r\,r1+r1^2}}\;\text{EllipticF}\Big[\frac{\theta 2}{2},\right.$$

$$\left.-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 2]}\right)\Big)+$$

$$\left(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 2]}{r^2+r1^2}}\left(-r^2-r1^2+r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 2]}{r^2+r1^2}}+\right.\right.$$

$$\left.r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 2]}{r^2+r1^2}}\right)$$

$$\text{Sin}[\lambda 1]\Big)\Big/\left(r\,r1\,\sqrt{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 2]}\right)\Big)-$$

$$\mathrm{Sin}[\lambda]\left(\left(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}\left(-r^2-r1^2+r^2\right.\right.\right.$$

$$\left.\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}+r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}\right)$$

$$\left.\mathrm{Cos}[\lambda 1]\right)\Big/\left(r\,r1\,\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\right)+$$

$$\frac{1}{2\,r\,r1}\left(\left(2\left(r^2-2\,r\,r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r1+r1^2}}\,\mathrm{EllipticE}\Big[\right.\right.$$

$$\left.\frac{\theta 2}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\right)-$$

$$\left(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r1+r1^2}}\,\mathrm{EllipticF}\Big[\right.$$

$$\left.\frac{\theta 2}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\right)\Big/$$

$$\left.\left.\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\right)\right)\mathrm{Sin}[\lambda 1]\right)\right)-$$

$$\frac{1}{r^2-r2^2}\,36\,r2^3\left(\mathrm{Cos}[\lambda]\left(-\frac{1}{2\,r\,r2}\,\mathrm{Cos}[\lambda 1]\left(\left(2\left(r^2-2\,r\,r2+r2^2\right)\right.\right.\right.\right.$$

$$\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r2+r2^2}}\,\mathrm{EllipticE}\Big[\frac{\theta 2}{2},$$

$$\left.-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}\right)-$$

$$\left(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r2+r2^2}}\,\mathrm{EllipticF}\Big[\frac{\theta 2}{2},\right.$$

$$\left.\left.-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}\right)\right)-$$

$$\left(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2+r2^2}}\left(-r^2-r2^2+r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2+r2^2}}+\right.\right.$$

$$r2^2 \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}{r^2 + r2^2}}\Bigg)$$

$$\mathrm{Sin}[\lambda 1]\Bigg) \Big/ \left(r\, r2\, \sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}\right)\Bigg) +$$

$$\mathrm{Sin}[\lambda] \Bigg(\Bigg(\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}{r^2 + r2^2}} \Bigg(-r^2 - r2^2 + r^2$$

$$\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}{r^2 + r2^2}} + r2^2 \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}{r^2 + r2^2}}\Bigg)$$

$$\mathrm{Cos}[\lambda 1]\Bigg) \Big/ \left(r\, r2\, \sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}\right) -$$

$$\frac{1}{2\, r\, r2} \Bigg(\Bigg(2\left(r^2 - 2\, r\, r2 + r2^2\right) \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}{r^2 - 2\, r\, r2 + r2^2}}\ \mathrm{EllipticE}\Big[$$

$$\frac{\theta 2}{2}, -\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\Big]\Bigg) \Big/ \left(\sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}\right) -$$

$$\Bigg(2\left(r^2 + r2^2\right) \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}{r^2 - 2\, r\, r2 + r2^2}}\ \mathrm{EllipticF}\Big[$$

$$\frac{\theta 2}{2}, -\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\Big]\Bigg) \Big/$$

$$\left(\sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}\right)\Bigg) \mathrm{Sin}[\lambda 1]\Bigg)\Bigg) +$$

$$\frac{1}{r^2\left(r^2 - r2^2\right)}\ 72\, r2^5 \Bigg(\mathrm{Cos}[\lambda] \Bigg(-\frac{1}{2\, r\, r2}\ \mathrm{Cos}[\lambda 1] \Bigg(\Bigg(2\left(r^2 - 2\, r\, r2 + r2^2\right)$$

$$\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}{r^2 - 2\, r\, r2 + r2^2}}\ \mathrm{EllipticE}\Big[\frac{\theta 2}{2},$$

$$-\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\Big]\Bigg) \Big/ \left(\sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}\right) -$$

$$\Bigg(2\left(r^2 + r2^2\right) \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}{r^2 - 2\, r\, r2 + r2^2}}\ \mathrm{EllipticF}\Big[\frac{\theta 2}{2},$$

$$-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\Big)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}\right)\Big)-$$

$$\left(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2+r2^2}}\left(-r^2-r2^2+r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2+r2^2}}+\right.\right.$$

$$\left.r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2+r2^2}}\right)$$

$$\mathrm{Sin}[\lambda 1]\Big)\Big/\left(r\,r2\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}\right)\Big)+$$

$$\mathrm{Sin}[\lambda]\left(\left(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2+r2^2}}\left(-r^2-r2^2+r^2\right.\right.\right.$$

$$\left.\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2+r2^2}}+r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2+r2^2}}\right)$$

$$\mathrm{Cos}[\lambda 1]\Big)\Big/\left(r\,r2\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}\right)-$$

$$\frac{1}{2\,r\,r2}\left(\left(2\left(r^2-2\,r\,r2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r2+r2^2}}\,\mathrm{EllipticE}\Big[\right.\right.$$

$$\left.\frac{\theta 2}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}\right)-$$

$$\left(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r2+r2^2}}\,\mathrm{EllipticF}\Big[\right.$$

$$\left.\frac{\theta 2}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\right)\Big/$$

$$\left.\left.\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}\right)\mathrm{Sin}[\lambda 1]\right)\right)-$$

$$\frac{1}{r^2-r2^2}\,36\,r2^3\left(\mathrm{Cos}[\lambda]\left(-\frac{1}{2\,r\,r2}\,\mathrm{Cos}[\lambda 1]\left(\left(2\left(r^2-2\,r\,r2+r2^2\right)\right.\right.\right.\right.$$

$$\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r2+r2^2}}\,\mathrm{EllipticE}\Big[\frac{\theta 2}{2},$$

$$-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\Big)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta2]}\right)-$$

$$\left(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta2]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticF}\Big[\frac{\theta2}{2},\right.$$

$$\left.-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta2]}\right)\Bigg)+$$

$$\left(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta2]}{r^2+r2^2}}\left(-r^2-r2^2+r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta2]}{r^2+r2^2}}+\right.\right.$$

$$\left.r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta2]}{r^2+r2^2}}\right)$$

$$\mathrm{Sin}[\lambda1]\Big)\Big/\left(r\,r2\,\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta2]}\right)\Bigg)-$$

$$\mathrm{Sin}[\lambda]\left(\left(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta2]}{r^2+r2^2}}\left(-r^2-r2^2+r^2\right.\right.\right.$$

$$\left.\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta2]}{r^2+r2^2}}+r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta2]}{r^2+r2^2}}\right)$$

$$\mathrm{Cos}[\lambda1]\Big)\Big/\left(r\,r2\,\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta2]}\right)+$$

$$\frac{1}{2\,r\,r2}\left(\left(2\left(r^2-2\,r\,r2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta2]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticE}\Big[\right.\right.$$

$$\frac{\theta2}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\Big)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta2]}\right)-$$

$$\left(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta2]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticF}\Big[\right.$$

$$\left.\frac{\theta2}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\right)\Big/$$

$$\left.\left.\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta2]}\right)\mathrm{Sin}[\lambda1]\right)\right)+$$

$$\frac{1}{r^2\left(r^2-r2^2\right)}\,72\,r2^5\left(\mathrm{Cos}[\lambda]\left(-\frac{1}{2\,r\,r2}\,\mathrm{Cos}[\lambda 1]\left(\left(2\left(r^2-2\,r\,r2+r2^2\right)\right.\right.\right.\right.$$

$$\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticE}\Big[\frac{\theta 2}{2},$$

$$\left.-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}\right)-$$

$$\left(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticF}\Big[\frac{\theta 2}{2},\right.$$

$$\left.-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}\right)\Bigg)+$$

$$\left(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2+r2^2}}\left(-r^2-r2^2+r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2+r2^2}}+\right.\right.$$

$$\left.r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2+r2^2}}\right)$$

$$\mathrm{Sin}[\lambda 1]\Big)\Big/\left(r\,r2\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}\right)\Big)-$$

$$\mathrm{Sin}[\lambda]\left(\left(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2+r2^2}}\left(-r^2-r2^2+r^2\right.\right.\right.$$

$$\left.\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2+r2^2}}+r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2+r2^2}}\right)$$

$$\mathrm{Cos}[\lambda 1]\Big)\Big/\left(r\,r2\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}\right)+$$

$$\frac{1}{2\,r\,r2}\left(\left(2\left(r^2-2\,r\,r2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticE}\Big[\right.\right.$$

$$\left.\frac{\theta 2}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}\right)-$$

$$\left(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticF}\Big[\right.$$

$$\frac{\theta 2}{2}, -\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\Big]\Big)\Big/$$

$$\left(\sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}\right)\Big)\, \mathrm{Sin}[\lambda 1]\Big)\Big) -$$

$$\frac{1}{r^2 - r1^2}\, 32\, r^2\, r1 \Big(\mathrm{Cos}[\lambda]\, (-1 + 2\, \mathrm{Cos}[2\, \lambda])\, \Big(-\frac{1}{2\, r\, r1}\, \mathrm{Cos}[3\, \lambda 1]$$

$$\Big(\Big(2\, (r^2 - 2\, r\, r1 + r1^2)\, \sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 2]}{r^2 - 2\, r\, r1 + r1^2}}\, \mathrm{EllipticE}\Big[\frac{\theta 2}{2},$$

$$-\frac{4\, r\, r1}{r^2 - 2\, r\, r1 + r1^2}\Big]\Big)\Big/\left(\sqrt{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 2]}\right) -$$

$$\Big(2\, (r^2 + r1^2)\, \sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 2]}{r^2 - 2\, r\, r1 + r1^2}}\, \mathrm{EllipticF}\Big[\frac{\theta 2}{2},$$

$$-\frac{4\, r\, r1}{r^2 - 2\, r\, r1 + r1^2}\Big]\Big)\Big/\left(\sqrt{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 2]}\right)\Big) -$$

$$\Big(\sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 2]}{r^2 + r1^2}}\, \Big(-r^2 - r1^2 + r^2\, \sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 2]}{r^2 + r1^2}} +$$

$$r1^2\, \sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 2]}{r^2 + r1^2}}\Big)\, (1 + 2\, \mathrm{Cos}[2\, \lambda 1])$$

$$\mathrm{Sin}[\lambda 1]\Big)\Big/\left(r\, r1\, \sqrt{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 2]}\right)\Big) +$$

$$(1 + 2\, \mathrm{Cos}[2\, \lambda])\, \mathrm{Sin}[\lambda]\, \Big(\Big(\sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 2]}{r^2 + r1^2}}\, \Big(-r^2 - r1^2 +$$

$$r^2\, \sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 2]}{r^2 + r1^2}} + r1^2\, \sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 2]}{r^2 + r1^2}}\Big)$$

$$\mathrm{Cos}[\lambda 1]\, (-1 + 2\, \mathrm{Cos}[2\, \lambda 1])\Big)\Big/\left(r\, r1\, \sqrt{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 2]}\right) -$$

$$\frac{1}{2\, r\, r1}\, \Big(\Big(2\, (r^2 - 2\, r\, r1 + r1^2)\, \sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 2]}{r^2 - 2\, r\, r1 + r1^2}}\, \mathrm{EllipticE}\Big[$$

$$\frac{\theta 2}{2}, -\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Big)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\right)-$$

$$\left(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticF}\Big[\right.$$

$$\left.\frac{\theta 2}{2}, -\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\right)\Big/$$

$$\left.\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\right)\right)\mathrm{Sin}[3\,\lambda 1]\Bigg)\Bigg)+$$

$$\frac{1}{r^2-r1^2}\,12\,r1^3\left(\mathrm{Cos}[\lambda]\,(-1+2\,\mathrm{Cos}[2\,\lambda])\left(-\frac{1}{2\,r\,r1}\,\mathrm{Cos}[3\,\lambda 1]\right.\right.$$

$$\left(\left(2\left(r^2-2\,r\,r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticE}\Big[\frac{\theta 2}{2},\right.\right.$$

$$\left.-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\right)-$$

$$\left(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticF}\Big[\frac{\theta 2}{2},\right.$$

$$\left.\left.-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\right)\right)-$$

$$\left(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}\left(-r^2-r1^2+r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}+\right.\right.$$

$$\left.r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}\right)(1+2\,\mathrm{Cos}[2\,\lambda 1])$$

$$\left.\mathrm{Sin}[\lambda 1]\right)\Big/\left(r\,r1\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\right)\Bigg)+$$

$$(1+2\,\mathrm{Cos}[2\,\lambda])\,\mathrm{Sin}[\lambda]\left(\left(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}\left(-r^2-r1^2+\right.\right.\right.$$

$$\left.r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}+r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}\right)$$

$$\text{Cos}[\lambda 1]\ (-1+2\,\text{Cos}[2\,\lambda 1])\Big)\Big/\Big(r\ r1\ \sqrt{r^2+r1^2-2\ r\ r1\ \text{Cos}[\theta 2]}\Big)-$$

$$\frac{1}{2\ r\ r1}\Bigg(\Bigg(2\left(r^2-2\ r\ r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\ r\ r1\ \text{Cos}[\theta 2]}{r^2-2\ r\ r1+r1^2}}\ \text{EllipticE}\Big[$$

$$\frac{\theta 2}{2},-\frac{4\ r\ r1}{r^2-2\ r\ r1+r1^2}\Big]\Bigg)\Big/\Big(\sqrt{r^2+r1^2-2\ r\ r1\ \text{Cos}[\theta 2]}\Big)-$$

$$\Bigg(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\ r\ r1\ \text{Cos}[\theta 2]}{r^2-2\ r\ r1+r1^2}}\ \text{EllipticF}\Big[$$

$$\frac{\theta 2}{2},-\frac{4\ r\ r1}{r^2-2\ r\ r1+r1^2}\Big]\Bigg)\Big/$$

$$\Big(\sqrt{r^2+r1^2-2\ r\ r1\ \text{Cos}[\theta 2]}\Big)\Bigg)\ \text{Sin}[3\,\lambda 1]\Bigg)\Bigg)+$$

$$\frac{1}{r^2\left(r^2-r1^2\right)}\ 8\ r1^5\Bigg(\text{Cos}[\lambda]\ (-1+2\,\text{Cos}[2\,\lambda])\ \Bigg(-\frac{1}{2\ r\ r1}\ \text{Cos}[3\,\lambda 1]$$

$$\Bigg(\Bigg(2\left(r^2-2\ r\ r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\ r\ r1\ \text{Cos}[\theta 2]}{r^2-2\ r\ r1+r1^2}}\ \text{EllipticE}\Big[\frac{\theta 2}{2},$$

$$-\frac{4\ r\ r1}{r^2-2\ r\ r1+r1^2}\Big]\Bigg)\Big/\Big(\sqrt{r^2+r1^2-2\ r\ r1\ \text{Cos}[\theta 2]}\Big)-$$

$$\Bigg(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\ r\ r1\ \text{Cos}[\theta 2]}{r^2-2\ r\ r1+r1^2}}\ \text{EllipticF}\Big[\frac{\theta 2}{2},$$

$$-\frac{4\ r\ r1}{r^2-2\ r\ r1+r1^2}\Big]\Bigg)\Big/\Big(\sqrt{r^2+r1^2-2\ r\ r1\ \text{Cos}[\theta 2]}\Big)\Bigg)-$$

$$\Bigg(\sqrt{\frac{r^2+r1^2-2\ r\ r1\ \text{Cos}[\theta 2]}{r^2+r1^2}}\ \Bigg(-r^2-r1^2+r^2\sqrt{\frac{r^2+r1^2-2\ r\ r1\ \text{Cos}[\theta 2]}{r^2+r1^2}}+$$

$$r1^2\sqrt{\frac{r^2+r1^2-2\ r\ r1\ \text{Cos}[\theta 2]}{r^2+r1^2}}\Bigg)\ (1+2\,\text{Cos}[2\,\lambda 1])$$

$$\text{Sin}[\lambda 1]\Bigg)\Big/\Big(r\ r1\ \sqrt{r^2+r1^2-2\ r\ r1\ \text{Cos}[\theta 2]}\Big)\Bigg)+$$

$$(1+2\,\mathrm{Cos}[2\,\lambda])\,\mathrm{Sin}[\lambda]\,\Bigg(\Bigg(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}\,\Bigg(-r^2-r1^2+$$

$$r^2\,\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}+r1^2\,\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}\Bigg)$$

$$\mathrm{Cos}[\lambda 1]\,(-1+2\,\mathrm{Cos}[2\,\lambda 1])\Bigg)\Big/\Big(r\,r1\,\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\Big)-$$

$$\frac{1}{2\,r\,r1}\,\Bigg(\Bigg(2\,(r^2-2\,r\,r1+r1^2)\,\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r1+r1^2}}\,\mathrm{EllipticE}\Big[$$

$$\frac{\theta 2}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Bigg)\Big/\Big(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\Big)-$$

$$\Bigg(2\,(r^2+r1^2)\,\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r1+r1^2}}\,\mathrm{EllipticF}\Big[$$

$$\frac{\theta 2}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Bigg)\Big/$$

$$\Big(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\Big)\Bigg)\,\mathrm{Sin}[3\,\lambda 1]\Bigg)\Bigg)-$$

$$\frac{1}{r^2-r1^2}\,32\,r^2\,r1\,\Bigg(\mathrm{Cos}[\lambda]\,(-1+2\,\mathrm{Cos}[2\,\lambda])\,\Bigg(-\frac{1}{2\,r\,r1}\,\mathrm{Cos}[3\,\lambda 1]$$

$$\Bigg(\Bigg(2\,(r^2-2\,r\,r1+r1^2)\,\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r1+r1^2}}\,\mathrm{EllipticE}\Big[\frac{\theta 2}{2},$$

$$-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Bigg)\Big/\Big(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\Big)-$$

$$\Bigg(2\,(r^2+r1^2)\,\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r1+r1^2}}\,\mathrm{EllipticF}\Big[\frac{\theta 2}{2},$$

$$-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Bigg)\Big/\Big(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\Big)\Bigg)+$$

$$\Bigg(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}\,\Bigg(-r^2-r1^2+r^2\,\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}+$$

$$r1^2 \sqrt{\frac{r^2 + r1^2 - 2\, r\, r1 \operatorname{Cos}[\theta 2]}{r^2 + r1^2}}\Bigg) (1 + 2 \operatorname{Cos}[2\, \lambda 1])$$

$$\operatorname{Sin}[\lambda 1]\Bigg) \Big/ \left(r\, r1 \sqrt{r^2 + r1^2 - 2\, r\, r1 \operatorname{Cos}[\theta 2]}\right)\Bigg) -$$

$$(1 + 2 \operatorname{Cos}[2\, \lambda]) \operatorname{Sin}[\lambda] \Bigg(\Bigg(\sqrt{\frac{r^2 + r1^2 - 2\, r\, r1 \operatorname{Cos}[\theta 2]}{r^2 + r1^2}} \Bigg(-r^2 - r1^2 +$$

$$r^2 \sqrt{\frac{r^2 + r1^2 - 2\, r\, r1 \operatorname{Cos}[\theta 2]}{r^2 + r1^2}} + r1^2 \sqrt{\frac{r^2 + r1^2 - 2\, r\, r1 \operatorname{Cos}[\theta 2]}{r^2 + r1^2}}\Bigg)$$

$$\operatorname{Cos}[\lambda 1]\, (-1 + 2 \operatorname{Cos}[2\, \lambda 1])\Bigg) \Big/ \left(r\, r1 \sqrt{r^2 + r1^2 - 2\, r\, r1 \operatorname{Cos}[\theta 2]}\right) +$$

$$\frac{1}{2\, r\, r1} \Bigg(\Bigg(2 \left(r^2 - 2\, r\, r1 + r1^2\right) \sqrt{\frac{r^2 + r1^2 - 2\, r\, r1 \operatorname{Cos}[\theta 2]}{r^2 - 2\, r\, r1 + r1^2}} \operatorname{EllipticE}\Big[$$

$$\frac{\theta 2}{2}, -\frac{4\, r\, r1}{r^2 - 2\, r\, r1 + r1^2}\Big]\Bigg) \Big/ \left(\sqrt{r^2 + r1^2 - 2\, r\, r1 \operatorname{Cos}[\theta 2]}\right) -$$

$$\Bigg(2 \left(r^2 + r1^2\right) \sqrt{\frac{r^2 + r1^2 - 2\, r\, r1 \operatorname{Cos}[\theta 2]}{r^2 - 2\, r\, r1 + r1^2}} \operatorname{EllipticF}\Big[$$

$$\frac{\theta 2}{2}, -\frac{4\, r\, r1}{r^2 - 2\, r\, r1 + r1^2}\Big]\Bigg) \Big/$$

$$\left(\sqrt{r^2 + r1^2 - 2\, r\, r1 \operatorname{Cos}[\theta 2]}\right)\Bigg) \operatorname{Sin}[3\, \lambda 1]\Bigg)\Bigg) +$$

$$\frac{1}{r^2 - r1^2}\, 12\, r1^3 \Bigg(\operatorname{Cos}[\lambda]\, (-1 + 2 \operatorname{Cos}[2\, \lambda]) \Bigg(-\frac{1}{2\, r\, r1} \operatorname{Cos}[3\, \lambda 1]$$

$$\Bigg(\Bigg(2 \left(r^2 - 2\, r\, r1 + r1^2\right) \sqrt{\frac{r^2 + r1^2 - 2\, r\, r1 \operatorname{Cos}[\theta 2]}{r^2 - 2\, r\, r1 + r1^2}} \operatorname{EllipticE}\Big[\frac{\theta 2}{2},$$

$$-\frac{4\, r\, r1}{r^2 - 2\, r\, r1 + r1^2}\Big]\Bigg) \Big/ \left(\sqrt{r^2 + r1^2 - 2\, r\, r1 \operatorname{Cos}[\theta 2]}\right) -$$

$$\Bigg(2 \left(r^2 + r1^2\right) \sqrt{\frac{r^2 + r1^2 - 2\, r\, r1 \operatorname{Cos}[\theta 2]}{r^2 - 2\, r\, r1 + r1^2}} \operatorname{EllipticF}\Big[\frac{\theta 2}{2},$$

$$-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Big)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\right)\Big)+$$

$$\left(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}\left(-r^2-r1^2+r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}+\right.\right.$$

$$\left.r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}\right)(1+2\,\mathrm{Cos}[2\,\lambda 1])$$

$$\mathrm{Sin}[\lambda 1]\Big)\Big/\left(r\,r1\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\right)\Big)-$$

$$(1+2\,\mathrm{Cos}[2\,\lambda])\,\mathrm{Sin}[\lambda]\left(\left(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}\left(-r^2-r1^2+\right.\right.\right.$$

$$\left.r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}+r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}\right)$$

$$\mathrm{Cos}[\lambda 1]\,(-1+2\,\mathrm{Cos}[2\,\lambda 1])\Big)\Big/\left(r\,r1\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\right)+$$

$$\frac{1}{2\,r\,r1}\left(\left(2\left(r^2-2\,r\,r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r1+r1^2}}\,\mathrm{EllipticE}\Big[\right.\right.$$

$$\frac{\theta 2}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Big)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\right)-$$

$$\left(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r1+r1^2}}\,\mathrm{EllipticF}\Big[\right.$$

$$\frac{\theta 2}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Big)\Big/$$

$$\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\right)\Big)\,\mathrm{Sin}[3\,\lambda 1]\Big)\Big)+$$

$$\frac{1}{r^2\left(r^2-r1^2\right)}\,8\,r1^5\left(\mathrm{Cos}[\lambda]\,(-1+2\,\mathrm{Cos}[2\,\lambda])\left(-\frac{1}{2\,r\,r1}\,\mathrm{Cos}[3\,\lambda 1]\right.\right.$$

$$\left(\left(2\left(r^2-2\,r\,r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r1+r1^2}}\,\mathrm{EllipticE}\Big[\frac{\theta 2}{2},\right.\right.$$

$$-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Big)\Big/\Big(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\Big)-$$

$$\Big(2\,(r^2+r1^2)\,\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticF}\Big[\frac{\theta 2}{2},$$

$$-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Big)\Big/\Big(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\Big)\Big)+$$

$$\Big(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}\;\Big(-r^2-r1^2+r^2\,\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}+$$

$$r1^2\,\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}\Big)\,(1+2\,\mathrm{Cos}[2\,\lambda 1])$$

$$\mathrm{Sin}[\lambda 1]\Big)\Big/\Big(r\,r1\,\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\Big)\Big)-$$

$$(1+2\,\mathrm{Cos}[2\,\lambda])\,\mathrm{Sin}[\lambda]\,\Big(\Big(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}\;\Big(-r^2-r1^2+$$

$$r^2\,\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}+r1^2\,\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}\Big)$$

$$\mathrm{Cos}[\lambda 1]\,(-1+2\,\mathrm{Cos}[2\,\lambda 1])\Big)\Big/\Big(r\,r1\,\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\Big)+$$

$$\frac{1}{2\,r\,r1}\,\Big(\Big(2\,(r^2-2\,r\,r1+r1^2)\,\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticE}\Big[$$

$$\frac{\theta 2}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Big)\Big/\Big(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\Big)-$$

$$\Big(2\,(r^2+r1^2)\,\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticF}\Big[$$

$$\frac{\theta 2}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Big)\Big/$$

$$\Big(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\Big)\Big)\,\mathrm{Sin}[3\,\lambda 1]\Big)\Big)+$$

$$\frac{1}{r^2 - r2^2}\, 32\, r^2\, r2 \Bigg(\mathrm{Cos}[\lambda]\, (-1 + 2\, \mathrm{Cos}[2\, \lambda])\, \Bigg(-\frac{1}{2\, r\, r2}\, \mathrm{Cos}[3\, \lambda 1]$$

$$\Bigg(\Bigg(2\, \left(r^2 - 2\, r\, r2 + r2^2\right) \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}{r^2 - 2\, r\, r2 + r2^2}}\, \mathrm{EllipticE}\Big[\frac{\theta 2}{2},$$

$$-\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\Big]\Bigg) \Big/ \left(\sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}\right) -$$

$$\Bigg(2\, \left(r^2 + r2^2\right) \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}{r^2 - 2\, r\, r2 + r2^2}}\, \mathrm{EllipticF}\Big[\frac{\theta 2}{2},$$

$$-\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\Big]\Bigg) \Big/ \left(\sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}\right)\Bigg) -$$

$$\Bigg(\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}{r^2 + r2^2}}\, \Bigg(-r^2 - r2^2 + r^2 \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}{r^2 + r2^2}} +$$

$$r2^2 \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}{r^2 + r2^2}}\Bigg)\, (1 + 2\, \mathrm{Cos}[2\, \lambda 1])$$

$$\mathrm{Sin}[\lambda 1]\Bigg) \Big/ \left(r\, r2\, \sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}\right)\Bigg) +$$

$$(1 + 2\, \mathrm{Cos}[2\, \lambda])\, \mathrm{Sin}[\lambda]\, \Bigg(\Bigg(\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}{r^2 + r2^2}}\, \Bigg(-r^2 - r2^2 +$$

$$r^2 \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}{r^2 + r2^2}} + r2^2 \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}{r^2 + r2^2}}\Bigg)$$

$$\mathrm{Cos}[\lambda 1]\, (-1 + 2\, \mathrm{Cos}[2\, \lambda 1])\Bigg) \Big/ \left(r\, r2\, \sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}\right) -$$

$$\frac{1}{2\, r\, r2}\, \Bigg(\Bigg(2\, \left(r^2 - 2\, r\, r2 + r2^2\right) \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}{r^2 - 2\, r\, r2 + r2^2}}\, \mathrm{EllipticE}\Big[$$

$$\frac{\theta 2}{2}, -\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\Big]\Bigg) \Big/ \left(\sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}\right) -$$

$$\Bigg(2\, \left(r^2 + r2^2\right) \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}{r^2 - 2\, r\, r2 + r2^2}}\, \mathrm{EllipticF}\Big[$$

$$\frac{\theta 2}{2}, -\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\Big]\Big)\Big/$$

$$\left(\sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}\right)\Big)\, \mathrm{Sin}[3\, \lambda 1]\Big)\Big) -$$

$$\frac{1}{r^2 - r2^2}\, 12\, r2^3 \Big(\mathrm{Cos}[\lambda]\, (-1 + 2\, \mathrm{Cos}[2\, \lambda])\, \Big(-\frac{1}{2\, r\, r2}\, \mathrm{Cos}[3\, \lambda 1]$$

$$\Big(\Big(2\, (r^2 - 2\, r\, r2 + r2^2)\, \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}{r^2 - 2\, r\, r2 + r2^2}}\, \mathrm{EllipticE}\Big[\frac{\theta 2}{2},$$

$$-\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\Big]\Big)\Big/\left(\sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}\right) -$$

$$\Big(2\, (r^2 + r2^2)\, \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}{r^2 - 2\, r\, r2 + r2^2}}\, \mathrm{EllipticF}\Big[\frac{\theta 2}{2},$$

$$-\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\Big]\Big)\Big/\left(\sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}\right)\Big) -$$

$$\Big(\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}{r^2 + r2^2}}\, \Big(-r^2 - r2^2 + r^2\, \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}{r^2 + r2^2}} +$$

$$r2^2\, \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}{r^2 + r2^2}}\Big)\, (1 + 2\, \mathrm{Cos}[2\, \lambda 1])$$

$$\mathrm{Sin}[\lambda 1]\Big)\Big/\left(r\, r2\, \sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}\right)\Big) +$$

$$(1 + 2\, \mathrm{Cos}[2\, \lambda])\, \mathrm{Sin}[\lambda]\, \Big(\Big(\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}{r^2 + r2^2}}\, \Big(-r^2 - r2^2 +$$

$$r^2\, \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}{r^2 + r2^2}} + r2^2\, \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}{r^2 + r2^2}}\Big)$$

$$\mathrm{Cos}[\lambda 1]\, (-1 + 2\, \mathrm{Cos}[2\, \lambda 1])\Big)\Big/\left(r\, r2\, \sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}\right) -$$

$$\frac{1}{2\, r\, r2}\, \Big(\Big(2\, (r^2 - 2\, r\, r2 + r2^2)\, \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}{r^2 - 2\, r\, r2 + r2^2}}\, \mathrm{EllipticE}\Big[$$

$$\frac{\theta 2}{2}, -\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\Big]\Big) \Big/ \left(\sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}\right) -$$

$$\left(2\left(r^2 + r2^2\right)\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}{r^2 - 2\, r\, r2 + r2^2}}\ \mathrm{EllipticF}\Big[\right.$$

$$\left.\frac{\theta 2}{2}, -\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\Big]\right) \Big/$$

$$\left.\left(\sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}\right)\right) \mathrm{Sin}[3\, \lambda 1]\Big)\Big) -$$

$$\frac{1}{r^2\left(r^2 - r2^2\right)}\, 8\, r2^5 \Bigg(\mathrm{Cos}[\lambda]\ (-1 + 2\, \mathrm{Cos}[2\, \lambda])\ \Bigg(-\frac{1}{2\, r\, r2}\, \mathrm{Cos}[3\, \lambda 1]$$

$$\Bigg(\Bigg(2\left(r^2 - 2\, r\, r2 + r2^2\right)\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}{r^2 - 2\, r\, r2 + r2^2}}\ \mathrm{EllipticE}\Big[\frac{\theta 2}{2},$$

$$-\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\Big]\Bigg) \Big/ \left(\sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}\right) -$$

$$\left(2\left(r^2 + r2^2\right)\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}{r^2 - 2\, r\, r2 + r2^2}}\ \mathrm{EllipticF}\Big[\frac{\theta 2}{2},\right.$$

$$\left.-\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\Big]\right) \Big/ \left(\sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}\right)\Bigg) -$$

$$\Bigg(\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}{r^2 + r2^2}}\ \Bigg(-r^2 - r2^2 + r^2\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}{r^2 + r2^2}} +$$

$$r2^2\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}{r^2 + r2^2}}\Bigg)\ (1 + 2\, \mathrm{Cos}[2\, \lambda 1])$$

$$\mathrm{Sin}[\lambda 1]\Bigg) \Big/ \left(r\, r2\sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}\right)\Bigg) +$$

$$(1 + 2\, \mathrm{Cos}[2\, \lambda])\ \mathrm{Sin}[\lambda]\ \Bigg(\Bigg(\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}{r^2 + r2^2}}\ \Bigg(-r^2 - r2^2 +$$

$$r^2\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}{r^2 + r2^2}} + r2^2\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}{r^2 + r2^2}}\Bigg)$$

$$\text{Cos}[\lambda 1]\ (-1+2\,\text{Cos}[2\,\lambda 1])\Big)\Big/\Big(r\ r2\ \sqrt{r^2+r2^2-2\ r\ r2\ \text{Cos}[\theta 2]}\Big)-$$

$$\frac{1}{2\ r\ r2}\Bigg(\Bigg(2\left(r^2-2\ r\ r2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\ r\ r2\ \text{Cos}[\theta 2]}{r^2-2\ r\ r2+r2^2}}\ \text{EllipticE}\Big[$$

$$\frac{\theta 2}{2},-\frac{4\ r\ r2}{r^2-2\ r\ r2+r2^2}\Big]\Bigg)\Big/\Big(\sqrt{r^2+r2^2-2\ r\ r2\ \text{Cos}[\theta 2]}\Big)-$$

$$\Bigg(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\ r\ r2\ \text{Cos}[\theta 2]}{r^2-2\ r\ r2+r2^2}}\ \text{EllipticF}\Big[$$

$$\frac{\theta 2}{2},-\frac{4\ r\ r2}{r^2-2\ r\ r2+r2^2}\Big]\Bigg)\Big/$$

$$\Big(\sqrt{r^2+r2^2-2\ r\ r2\ \text{Cos}[\theta 2]}\Big)\Bigg)\ \text{Sin}[3\,\lambda 1]\Bigg)\Bigg)+$$

$$\frac{1}{r^2-r2^2}\ 32\ r^2\ r2\Bigg(\text{Cos}[\lambda]\ (-1+2\,\text{Cos}[2\,\lambda])\Bigg(-\frac{1}{2\ r\ r2}\ \text{Cos}[3\,\lambda 1]$$

$$\Bigg(\Bigg(2\left(r^2-2\ r\ r2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\ r\ r2\ \text{Cos}[\theta 2]}{r^2-2\ r\ r2+r2^2}}\ \text{EllipticE}\Big[\frac{\theta 2}{2},$$

$$-\frac{4\ r\ r2}{r^2-2\ r\ r2+r2^2}\Big]\Bigg)\Big/\Big(\sqrt{r^2+r2^2-2\ r\ r2\ \text{Cos}[\theta 2]}\Big)-$$

$$\Bigg(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\ r\ r2\ \text{Cos}[\theta 2]}{r^2-2\ r\ r2+r2^2}}\ \text{EllipticF}\Big[\frac{\theta 2}{2},$$

$$-\frac{4\ r\ r2}{r^2-2\ r\ r2+r2^2}\Big]\Bigg)\Big/\Big(\sqrt{r^2+r2^2-2\ r\ r2\ \text{Cos}[\theta 2]}\Big)\Bigg)+$$

$$\Bigg(\sqrt{\frac{r^2+r2^2-2\ r\ r2\ \text{Cos}[\theta 2]}{r^2+r2^2}}\ \Bigg(-r^2-r2^2+r^2\sqrt{\frac{r^2+r2^2-2\ r\ r2\ \text{Cos}[\theta 2]}{r^2+r2^2}}+$$

$$r2^2\sqrt{\frac{r^2+r2^2-2\ r\ r2\ \text{Cos}[\theta 2]}{r^2+r2^2}}\Bigg)\ (1+2\,\text{Cos}[2\,\lambda 1])$$

$$\text{Sin}[\lambda 1]\Bigg)\Big/\Big(r\ r2\ \sqrt{r^2+r2^2-2\ r\ r2\ \text{Cos}[\theta 2]}\Big)\Bigg)-$$

$$(1+2\,\mathrm{Cos}[2\,\lambda])\,\mathrm{Sin}[\lambda]\,\Bigg(\Bigg(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2+r2^2}}\,\Bigg(-r^2-r2^2+$$

$$r^2\,\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2+r2^2}}+r2^2\,\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2+r2^2}}\Bigg)$$

$$\mathrm{Cos}[\lambda 1]\,(-1+2\,\mathrm{Cos}[2\,\lambda 1])\Bigg)\Big/\Big(r\,r2\,\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}\Big)+$$

$$\frac{1}{2\,r\,r2}\,\Bigg(\Bigg(2\,(r^2-2\,r\,r2+r2^2)\,\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r2+r2^2}}\,\mathrm{EllipticE}\Big[$$

$$\frac{\theta 2}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\Bigg)\Big/\Big(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}\Big)-$$

$$\Bigg(2\,(r^2+r2^2)\,\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r2+r2^2}}\,\mathrm{EllipticF}\Big[$$

$$\frac{\theta 2}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\Bigg)\Big/$$

$$\Big(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}\Big)\Bigg)\,\mathrm{Sin}[3\,\lambda 1]\Bigg)\Bigg)-$$

$$\frac{1}{r^2-r2^2}\,12\,r2^3\,\Bigg(\mathrm{Cos}[\lambda]\,(-1+2\,\mathrm{Cos}[2\,\lambda])\,\Bigg(-\frac{1}{2\,r\,r2}\,\mathrm{Cos}[3\,\lambda 1]$$

$$\Bigg(\Bigg(2\,(r^2-2\,r\,r2+r2^2)\,\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r2+r2^2}}\,\mathrm{EllipticE}\Big[\frac{\theta 2}{2},$$

$$-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\Bigg)\Big/\Big(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}\Big)-$$

$$\Bigg(2\,(r^2+r2^2)\,\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r2+r2^2}}\,\mathrm{EllipticF}\Big[\frac{\theta 2}{2},$$

$$-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\Bigg)\Big/\Big(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}\Big)\Bigg)+$$

$$\Bigg(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2+r2^2}}\,\Bigg(-r^2-r2^2+r^2\,\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2+r2^2}}+$$

$$r2^2 \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}{r^2 + r2^2}}\Bigg) (1 + 2\, \mathrm{Cos}[2\, \lambda 1])$$

$$\mathrm{Sin}[\lambda 1]\Bigg) \Big/ \left(r\, r2\, \sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}\right)\Bigg) -$$

$$(1 + 2\, \mathrm{Cos}[2\, \lambda])\, \mathrm{Sin}[\lambda] \Bigg(\Bigg(\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}{r^2 + r2^2}} \Bigg(-r^2 - r2^2 +$$

$$r^2 \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}{r^2 + r2^2}} + r2^2 \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}{r^2 + r2^2}}\Bigg)$$

$$\mathrm{Cos}[\lambda 1]\, (-1 + 2\, \mathrm{Cos}[2\, \lambda 1])\Bigg) \Big/ \left(r\, r2\, \sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}\right) +$$

$$\frac{1}{2\, r\, r2} \Bigg(\Bigg(2\, (r^2 - 2\, r\, r2 + r2^2) \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}{r^2 - 2\, r\, r2 + r2^2}}\, \mathrm{EllipticE}\Big[$$

$$\frac{\theta 2}{2}, -\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\Big]\Bigg) \Big/ \left(\sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}\right) -$$

$$\Bigg(2\, (r^2 + r2^2) \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}{r^2 - 2\, r\, r2 + r2^2}}\, \mathrm{EllipticF}\Big[$$

$$\frac{\theta 2}{2}, -\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\Big]\Bigg) \Big/$$

$$\left(\sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}\right)\Bigg) \mathrm{Sin}[3\, \lambda 1]\Bigg)\Bigg) -$$

$$\frac{1}{r^2\, (r^2 - r2^2)}\, 8\, r2^5 \Bigg(\mathrm{Cos}[\lambda]\, (-1 + 2\, \mathrm{Cos}[2\, \lambda]) \Bigg(-\frac{1}{2\, r\, r2}\, \mathrm{Cos}[3\, \lambda 1]$$

$$\Bigg(\Bigg(2\, (r^2 - 2\, r\, r2 + r2^2) \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}{r^2 - 2\, r\, r2 + r2^2}}\, \mathrm{EllipticE}\Big[\frac{\theta 2}{2},$$

$$-\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\Big]\Bigg) \Big/ \left(\sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}\right) -$$

$$\Bigg(2\, (r^2 + r2^2) \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}{r^2 - 2\, r\, r2 + r2^2}}\, \mathrm{EllipticF}\Big[\frac{\theta 2}{2},$$

$$-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\Big)\Big/\Big(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}\Big)\Big)+$$

$$\Big(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2+r2^2}}\Big(-r^2-r2^2+r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2+r2^2}}+$$

$$r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2+r2^2}}\Big)(1+2\,\mathrm{Cos}[2\,\lambda 1])$$

$$\mathrm{Sin}[\lambda 1]\Big)\Big/\Big(r\,r2\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}\Big)\Big)-$$

$$(1+2\,\mathrm{Cos}[2\,\lambda])\,\mathrm{Sin}[\lambda]\Big(\Big(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2+r2^2}}\Big(-r^2-r2^2+$$

$$r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2+r2^2}}+r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2+r2^2}}\Big)$$

$$\mathrm{Cos}[\lambda 1]\,(-1+2\,\mathrm{Cos}[2\,\lambda 1])\Big)\Big/\Big(r\,r2\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}\Big)+$$

$$\frac{1}{2\,r\,r2}\Big(\Big(2\,(r^2-2\,r\,r2+r2^2)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r2+r2^2}}\,\mathrm{EllipticE}\Big[$$

$$\frac{\theta 2}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\Big)\Big/\Big(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}\Big)-$$

$$\Big(2\,(r^2+r2^2)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r2+r2^2}}\,\mathrm{EllipticF}\Big[$$

$$\frac{\theta 2}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\Big)\Big/$$

$$\Big(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}\Big)\Big)\,\mathrm{Sin}[3\,\lambda 1]\Big)\Big)-$$

$$\frac{1}{r^2-r1^2}\,36\,r1^3\Big(\mathrm{Cos}[\lambda]\Big(-\frac{1}{2\,r\,r1}\,\mathrm{Cos}[\lambda 2]\Big(\Big(2\,(r^2-2\,r\,r1+r1^2)$$

$$\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r1+r1^2}}\,\mathrm{EllipticE}\Big[\frac{\theta 2}{2},$$

$$-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Big)\Big/\Big(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\Big)-$$

$$\Big(2\,(r^2+r1^2)\,\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticF}\Big[\frac{\theta 2}{2},$$

$$-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Big)\Big/\Big(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\Big)\Big)-$$

$$\Big(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}\;\Big(-r^2-r1^2+r^2\,\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}+$$

$$r1^2\,\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}\Big)$$

$$\mathrm{Sin}[\lambda 2]\Big)\Big/\Big(r\,r1\,\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\Big)\Big)+$$

$$\mathrm{Sin}[\lambda]\,\Big(\Big(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}\;\Big(-r^2-r1^2+r^2$$

$$\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}+r1^2\,\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}\Big)$$

$$\mathrm{Cos}[\lambda 2]\Big)\Big/\Big(r\,r1\,\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\Big)-$$

$$\frac{1}{2\,r\,r1}\Big(\Big(2\,(r^2-2\,r\,r1+r1^2)\,\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticE}\Big[$$

$$\frac{\theta 2}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Big)\Big/\Big(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\Big)-$$

$$\Big(2\,(r^2+r1^2)\,\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticF}\Big[$$

$$\frac{\theta 2}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Big)\Big/$$

$$\Big(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\Big)\Big)\,\mathrm{Sin}[\lambda 2]\Big)\Big)+$$

$$\frac{1}{r^2\left(r^2-r1^2\right)}\,72\,r1^5\left(\mathrm{Cos}[\lambda]\left(-\frac{1}{2\,r\,r1}\,\mathrm{Cos}[\lambda 2]\left(\left(2\left(r^2-2\,r\,r1+r1^2\right)\right.\right.\right.\right.$$

$$\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticE}\Big[\frac{\theta 2}{2},$$

$$\left.-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\right)-$$

$$\left(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticF}\Big[\frac{\theta 2}{2},\right.$$

$$\left.-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\right)\Bigg)-$$

$$\left(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}\left(-r^2-r1^2+r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}+\right.\right.$$

$$\left.r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}\right)$$

$$\mathrm{Sin}[\lambda 2]\Big)\Big/\left(r\,r1\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\right)\Bigg)+$$

$$\mathrm{Sin}[\lambda]\left(\left(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}\left(-r^2-r1^2+r^2\right.\right.\right.$$

$$\left.\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}+r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}\right)$$

$$\mathrm{Cos}[\lambda 2]\Big)\Big/\left(r\,r1\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\right)-$$

$$\frac{1}{2\,r\,r1}\left(\left(2\left(r^2-2\,r\,r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticE}\Big[\right.\right.$$

$$\left.\frac{\theta 2}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\right)-$$

$$\left(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticF}\Big[\right.$$

$$\frac{\theta 2}{2}, -\frac{4\, r\, r1}{r^2 - 2\, r\, r1 + r1^2}\Big]\Big)\Big/$$

$$\left(\sqrt{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 2]}\right)\Big)\, \mathrm{Sin}[\lambda 2]\Big)\Big) -$$

$$\frac{1}{r^2 - r1^2}\, 36\, r1^3 \Big(\mathrm{Cos}[\lambda]\, \Big(-\frac{1}{2\, r\, r1}\, \mathrm{Cos}[\lambda 2]\, \Big(\Big(2\, \left(r^2 - 2\, r\, r1 + r1^2\right)$$

$$\sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 2]}{r^2 - 2\, r\, r1 + r1^2}}\, \mathrm{EllipticE}\Big[\frac{\theta 2}{2},$$

$$-\frac{4\, r\, r1}{r^2 - 2\, r\, r1 + r1^2}\Big]\Big)\Big/\left(\sqrt{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 2]}\right) -$$

$$\Big(2\, \left(r^2 + r1^2\right)\, \sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 2]}{r^2 - 2\, r\, r1 + r1^2}}\, \mathrm{EllipticF}\Big[\frac{\theta 2}{2},$$

$$-\frac{4\, r\, r1}{r^2 - 2\, r\, r1 + r1^2}\Big]\Big)\Big/\left(\sqrt{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 2]}\right)\Big) +$$

$$\Big(\sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 2]}{r^2 + r1^2}}\, \Big(-r^2 - r1^2 + r^2\, \sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 2]}{r^2 + r1^2}} +$$

$$r1^2\, \sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 2]}{r^2 + r1^2}}\Big)$$

$$\mathrm{Sin}[\lambda 2]\Big)\Big/\left(r\, r1\, \sqrt{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 2]}\right)\Big) -$$

$$\mathrm{Sin}[\lambda]\, \Big(\Big(\sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 2]}{r^2 + r1^2}}\, \Big(-r^2 - r1^2 + r^2$$

$$\sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 2]}{r^2 + r1^2}} + r1^2\, \sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 2]}{r^2 + r1^2}}\Big)$$

$$\mathrm{Cos}[\lambda 2]\Big)\Big/\left(r\, r1\, \sqrt{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 2]}\right) +$$

$$\frac{1}{2\, r\, r1}\, \Big(\Big(2\, \left(r^2 - 2\, r\, r1 + r1^2\right)\, \sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 2]}{r^2 - 2\, r\, r1 + r1^2}}\, \mathrm{EllipticE}\Big[$$

$$\frac{\theta 2}{2}, -\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Big)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\right)-$$

$$\left(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticF}\Big[\right.$$

$$\left.\frac{\theta 2}{2}, -\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\right)\Big/$$

$$\left.\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\right)\right)\mathrm{Sin}[\lambda 2]\Big)\Big)+$$

$$\frac{1}{r^2\left(r^2-r1^2\right)}\,72\,r1^5\left(\mathrm{Cos}[\lambda]\left(-\frac{1}{2\,r\,r1}\,\mathrm{Cos}[\lambda 2]\left(\left(2\left(r^2-2\,r\,r1+r1^2\right)\right.\right.\right.\right.$$

$$\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticE}\Big[\frac{\theta 2}{2},$$

$$-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Big)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\right)-$$

$$\left(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticF}\Big[\frac{\theta 2}{2},\right.$$

$$\left.-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\right)\Big)+$$

$$\left(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}\left(-r^2-r1^2+r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}+\right.\right.$$

$$\left.r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}\right)$$

$$\mathrm{Sin}[\lambda 2]\Big)\Big/\left(r\,r1\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\right)\Big)-$$

$$\mathrm{Sin}[\lambda]\left(\left(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}\left(-r^2-r1^2+r^2\right.\right.\right.$$

$$\left.\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}+r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}\right)$$

$$\text{Cos}[\lambda 2]\Big)\Big/\left(r\,r1\,\sqrt{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 2]}\right)+$$

$$\frac{1}{2\,r\,r1}\left(\left(2\left(r^2-2\,r\,r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 2]}{r^2-2\,r\,r1+r1^2}}\;\text{EllipticE}\Big[\frac{\theta 2}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 2]}\right)-\right.$$

$$\left(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 2]}{r^2-2\,r\,r1+r1^2}}\;\text{EllipticF}\Big[\frac{\theta 2}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\right)\Big/$$

$$\left.\left(\sqrt{r^2+r1^2-2\,r\,r1\,\text{Cos}[\theta 2]}\right)\right)\text{Sin}[\lambda 2]\Big)\Big)+$$

$$\frac{1}{r^2-r2^2}\,36\,r2^3\left(\text{Cos}[\lambda]\left(-\frac{1}{2\,r\,r2}\,\text{Cos}[\lambda 2]\left(\left(2\left(r^2-2\,r\,r2+r2^2\right)\right.\right.\right.\right.$$

$$\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 2]}{r^2-2\,r\,r2+r2^2}}\;\text{EllipticE}\Big[\frac{\theta 2}{2},$$

$$-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\Big)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 2]}\right)-$$

$$\left(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 2]}{r^2-2\,r\,r2+r2^2}}\;\text{EllipticF}\Big[\frac{\theta 2}{2},\right.$$

$$\left.-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 2]}\right)\Big)-$$

$$\left(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 2]}{r^2+r2^2}}\left(-r^2-r2^2+r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 2]}{r^2+r2^2}}+\right.\right.$$

$$\left.r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 2]}{r^2+r2^2}}\right)$$

$$\text{Sin}[\lambda 2]\Big)\Big/\left(r\,r2\,\sqrt{r^2+r2^2-2\,r\,r2\,\text{Cos}[\theta 2]}\right)\Big)+$$

$$\mathrm{Sin}[\lambda]\left(\left(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2+r2^2}}\left(-r^2-r2^2+r^2\right.\right.\right.$$

$$\left.\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2+r2^2}}+r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2+r2^2}}\right)$$

$$\left.\mathrm{Cos}[\lambda 2]\right)\Big/\left(r\,r2\,\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}\right)-$$

$$\frac{1}{2\,r\,r2}\left(\left(2\left(r^2-2\,r\,r2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r2+r2^2}}\,\mathrm{EllipticE}\Big[\right.\right.$$

$$\left.\frac{\theta 2}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}\right)-$$

$$\left(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r2+r2^2}}\,\mathrm{EllipticF}\Big[\right.$$

$$\left.\frac{\theta 2}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\right)\Big/$$

$$\left.\left.\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}\right)\right)\mathrm{Sin}[\lambda 2]\right)\right)-$$

$$\frac{1}{r^2\left(r^2-r2^2\right)}\,72\,r2^5\left(\mathrm{Cos}[\lambda]\left(-\frac{1}{2\,r\,r2}\,\mathrm{Cos}[\lambda 2]\left(\left(2\left(r^2-2\,r\,r2+r2^2\right)\right.\right.\right.\right.$$

$$\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r2+r2^2}}\,\mathrm{EllipticE}\Big[\frac{\theta 2}{2},$$

$$\left.-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}\right)-$$

$$\left(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r2+r2^2}}\,\mathrm{EllipticF}\Big[\frac{\theta 2}{2},\right.$$

$$\left.\left.-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}\right)\right)-$$

$$\left(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2+r2^2}}\left(-r^2-r2^2+r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2+r2^2}}+\right.\right.$$

$$r2^2 \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}{r^2 + r2^2}}\Bigg)$$

$$\mathrm{Sin}[\lambda 2]\Bigg) \Big/ \left(r\, r2\, \sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}\right)\Bigg) +$$

$$\mathrm{Sin}[\lambda] \Bigg(\Bigg(\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}{r^2 + r2^2}} \Bigg(-r^2 - r2^2 + r^2$$

$$\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}{r^2 + r2^2}} + r2^2 \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}{r^2 + r2^2}}\Bigg)$$

$$\mathrm{Cos}[\lambda 2]\Bigg) \Big/ \left(r\, r2\, \sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}\right) -$$

$$\frac{1}{2\, r\, r2} \Bigg(\Bigg(2\left(r^2 - 2\, r\, r2 + r2^2\right) \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}{r^2 - 2\, r\, r2 + r2^2}}\ \mathrm{EllipticE}\Big[$$

$$\frac{\theta 2}{2}, -\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\Big]\Bigg) \Big/ \left(\sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}\right) -$$

$$\Bigg(2\left(r^2 + r2^2\right) \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}{r^2 - 2\, r\, r2 + r2^2}}\ \mathrm{EllipticF}\Big[$$

$$\frac{\theta 2}{2}, -\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\Big]\Bigg) \Big/$$

$$\left(\sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}\right)\Bigg)\ \mathrm{Sin}[\lambda 2]\Bigg)\Bigg) +$$

$$\frac{1}{r^2 - r2^2}\, 36\, r2^3 \Bigg(\mathrm{Cos}[\lambda] \Bigg(-\frac{1}{2\, r\, r2}\, \mathrm{Cos}[\lambda 2] \Bigg(\Bigg(2\left(r^2 - 2\, r\, r2 + r2^2\right)$$

$$\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}{r^2 - 2\, r\, r2 + r2^2}}\ \mathrm{EllipticE}\Big[\frac{\theta 2}{2},$$

$$-\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\Big]\Bigg) \Big/ \left(\sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}\right) -$$

$$\Bigg(2\left(r^2 + r2^2\right) \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}{r^2 - 2\, r\, r2 + r2^2}}\ \mathrm{EllipticF}\Big[\frac{\theta 2}{2},$$

$$-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\Big)\Big/\Big(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta2]}\Big)\Big)+$$

$$\Big(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta2]}{r^2+r2^2}}\Big(-r^2-r2^2+r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta2]}{r^2+r2^2}}+$$

$$r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta2]}{r^2+r2^2}}\Big)$$

$$\mathrm{Sin}[\lambda2]\Big)\Big/\Big(r\,r2\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta2]}\Big)\Big)-$$

$$\mathrm{Sin}[\lambda]\Big(\Big(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta2]}{r^2+r2^2}}\Big(-r^2-r2^2+r^2$$

$$\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta2]}{r^2+r2^2}}+r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta2]}{r^2+r2^2}}\Big)$$

$$\mathrm{Cos}[\lambda2]\Big)\Big/\Big(r\,r2\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta2]}\Big)+$$

$$\frac{1}{2\,r\,r2}\Big(\Big(2\,(r^2-2\,r\,r2+r2^2)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta2]}{r^2-2\,r\,r2+r2^2}}\,\mathrm{EllipticE}\Big[$$

$$\frac{\theta2}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\Big)\Big/\Big(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta2]}\Big)-$$

$$\Big(2\,(r^2+r2^2)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta2]}{r^2-2\,r\,r2+r2^2}}\,\mathrm{EllipticF}\Big[$$

$$\frac{\theta2}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\Big)\Big/$$

$$\Big(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta2]}\Big)\Big)\,\mathrm{Sin}[\lambda2]\Big)\Big)-$$

$$\frac{1}{r^2\,(r^2-r2^2)}\,72\,r2^5\Big(\mathrm{Cos}[\lambda]\Big(-\frac{1}{2\,r\,r2}\,\mathrm{Cos}[\lambda2]\Big(\Big(2\,(r^2-2\,r\,r2+r2^2)$$

$$\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta2]}{r^2-2\,r\,r2+r2^2}}\,\mathrm{EllipticE}\Big[\frac{\theta2}{2},$$

$$-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\Big)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta2]}\right)-$$

$$\left(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta2]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticF}\Big[\frac{\theta2}{2},\right.$$

$$\left.-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta2]}\right)\Bigg)+$$

$$\left(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta2]}{r^2+r2^2}}\left(-r^2-r2^2+r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta2]}{r^2+r2^2}}+\right.\right.$$

$$\left.r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta2]}{r^2+r2^2}}\right)$$

$$\mathrm{Sin}[\lambda2]\Big)\Big/\left(r\,r2\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta2]}\right)\Bigg)-$$

$$\mathrm{Sin}[\lambda]\left(\left(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta2]}{r^2+r2^2}}\left(-r^2-r2^2+r^2\right.\right.\right.$$

$$\left.\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta2]}{r^2+r2^2}}+r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta2]}{r^2+r2^2}}\right)$$

$$\mathrm{Cos}[\lambda2]\Big)\Big/\left(r\,r2\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta2]}\right)+$$

$$\frac{1}{2\,r\,r2}\left(\left(2\left(r^2-2\,r\,r2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta2]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticE}\Big[\right.\right.$$

$$\frac{\theta2}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\Big)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta2]}\right)-$$

$$\left(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta2]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticF}\Big[\right.$$

$$\left.\frac{\theta2}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\right)\Big/$$

$$\left.\left.\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta2]}\right)\mathrm{Sin}[\lambda2]\right)\right)+$$

$$\frac{1}{r^2 - r1^2}\, 32\, r^2\, r1 \Bigg(\mathrm{Cos}[\lambda]\, (-1 + 2\, \mathrm{Cos}[2\,\lambda])\, \Bigg(-\frac{1}{2\, r\, r1}\, \mathrm{Cos}[3\,\lambda 2]$$

$$\Bigg(\Bigg(2\, \left(r^2 - 2\, r\, r1 + r1^2\right) \sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 2]}{r^2 - 2\, r\, r1 + r1^2}}\, \mathrm{EllipticE}\Big[\frac{\theta 2}{2},$$

$$-\frac{4\, r\, r1}{r^2 - 2\, r\, r1 + r1^2}\Big]\Bigg) \Big/ \left(\sqrt{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 2]}\right) -$$

$$\Bigg(2\, \left(r^2 + r1^2\right) \sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 2]}{r^2 - 2\, r\, r1 + r1^2}}\, \mathrm{EllipticF}\Big[\frac{\theta 2}{2},$$

$$-\frac{4\, r\, r1}{r^2 - 2\, r\, r1 + r1^2}\Big]\Bigg) \Big/ \left(\sqrt{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 2]}\right)\Bigg) -$$

$$\Bigg(\sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 2]}{r^2 + r1^2}}\, \Bigg(-r^2 - r1^2 + r^2 \sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 2]}{r^2 + r1^2}} +$$

$$r1^2 \sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 2]}{r^2 + r1^2}}\Bigg)\, (1 + 2\, \mathrm{Cos}[2\,\lambda 2])$$

$$\mathrm{Sin}[\lambda 2]\Bigg) \Big/ \left(r\, r1\, \sqrt{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 2]}\right)\Bigg) +$$

$$(1 + 2\, \mathrm{Cos}[2\,\lambda])\, \mathrm{Sin}[\lambda]\, \Bigg(\Bigg(\sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 2]}{r^2 + r1^2}}\, \Bigg(-r^2 - r1^2 +$$

$$r^2 \sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 2]}{r^2 + r1^2}} + r1^2 \sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 2]}{r^2 + r1^2}}\Bigg)$$

$$\mathrm{Cos}[\lambda 2]\, (-1 + 2\, \mathrm{Cos}[2\,\lambda 2])\Bigg) \Big/ \left(r\, r1\, \sqrt{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 2]}\right) -$$

$$\frac{1}{2\, r\, r1}\, \Bigg(\Bigg(2\, \left(r^2 - 2\, r\, r1 + r1^2\right) \sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 2]}{r^2 - 2\, r\, r1 + r1^2}}\, \mathrm{EllipticE}\Big[$$

$$\frac{\theta 2}{2}, -\frac{4\, r\, r1}{r^2 - 2\, r\, r1 + r1^2}\Big]\Bigg) \Big/ \left(\sqrt{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 2]}\right) -$$

$$\Bigg(2\, \left(r^2 + r1^2\right) \sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 2]}{r^2 - 2\, r\, r1 + r1^2}}\, \mathrm{EllipticF}\Big[$$

$$\frac{\theta 2}{2}, -\frac{4\, r\, r1}{r^2 - 2\, r\, r1 + r1^2}\Big]\Big)\Big/$$

$$\left(\sqrt{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 2]}\right)\Big)\, \mathrm{Sin}[3\, \lambda 2]\Big)\Big) -$$

$$\frac{1}{r^2 - r1^2}\, 12\, r1^3 \Big(\mathrm{Cos}[\lambda]\, (-1 + 2\, \mathrm{Cos}[2\, \lambda])\, \Big(-\frac{1}{2\, r\, r1}\, \mathrm{Cos}[3\, \lambda 2]$$

$$\Big(\Big(2\, (r^2 - 2\, r\, r1 + r1^2)\, \sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 2]}{r^2 - 2\, r\, r1 + r1^2}}\, \mathrm{EllipticE}\Big[\frac{\theta 2}{2},$$

$$-\frac{4\, r\, r1}{r^2 - 2\, r\, r1 + r1^2}\Big]\Big)\Big/\left(\sqrt{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 2]}\right) -$$

$$\Big(2\, (r^2 + r1^2)\, \sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 2]}{r^2 - 2\, r\, r1 + r1^2}}\, \mathrm{EllipticF}\Big[\frac{\theta 2}{2},$$

$$-\frac{4\, r\, r1}{r^2 - 2\, r\, r1 + r1^2}\Big]\Big)\Big/\left(\sqrt{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 2]}\right)\Big) -$$

$$\Big(\sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 2]}{r^2 + r1^2}}\, \Big(-r^2 - r1^2 + r^2\, \sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 2]}{r^2 + r1^2}} +$$

$$r1^2\, \sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 2]}{r^2 + r1^2}}\Big)\, (1 + 2\, \mathrm{Cos}[2\, \lambda 2])$$

$$\mathrm{Sin}[\lambda 2]\Big)\Big/\left(r\, r1\, \sqrt{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 2]}\right)\Big) +$$

$$(1 + 2\, \mathrm{Cos}[2\, \lambda])\, \mathrm{Sin}[\lambda]\, \Big(\Big(\sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 2]}{r^2 + r1^2}}\, \Big(-r^2 - r1^2 +$$

$$r^2\, \sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 2]}{r^2 + r1^2}} + r1^2\, \sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 2]}{r^2 + r1^2}}\Big)$$

$$\mathrm{Cos}[\lambda 2]\, (-1 + 2\, \mathrm{Cos}[2\, \lambda 2])\Big)\Big/\left(r\, r1\, \sqrt{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 2]}\right) -$$

$$\frac{1}{2\, r\, r1}\, \Big(\Big(2\, (r^2 - 2\, r\, r1 + r1^2)\, \sqrt{\frac{r^2 + r1^2 - 2\, r\, r1\, \mathrm{Cos}[\theta 2]}{r^2 - 2\, r\, r1 + r1^2}}\, \mathrm{EllipticE}\Big[$$

$$\frac{\theta 2}{2}, -\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Big)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\right)-$$

$$\left(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticF}\Big[\right.$$

$$\left.\frac{\theta 2}{2}, -\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\right)\Big/$$

$$\left.\left.\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\right)\right)\mathrm{Sin}[3\,\lambda 2]\right)\right)-$$

$$\frac{1}{r^2\left(r^2-r1^2\right)}\,8\,r1^5\left(\mathrm{Cos}[\lambda]\,(-1+2\,\mathrm{Cos}[2\,\lambda])\left(-\frac{1}{2\,r\,r1}\,\mathrm{Cos}[3\,\lambda 2]\right.\right.$$

$$\left(\left(2\left(r^2-2\,r\,r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticE}\Big[\frac{\theta 2}{2},\right.\right.$$

$$\left.-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\right)-$$

$$\left(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r1+r1^2}}\;\mathrm{EllipticF}\Big[\frac{\theta 2}{2},\right.$$

$$\left.\left.-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\right)\Big/\left(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\right)\right)-$$

$$\left(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}\left(-r^2-r1^2+r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}+\right.\right.$$

$$\left.r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}\right)(1+2\,\mathrm{Cos}[2\,\lambda 2])$$

$$\left.\mathrm{Sin}[\lambda 2]\right)\Big/\left(r\,r1\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\right)\Big)+$$

$$(1+2\,\mathrm{Cos}[2\,\lambda])\,\mathrm{Sin}[\lambda]\left(\left(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}\left(-r^2-r1^2+\right.\right.\right.$$

$$\left.r^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}+r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}\right)$$

$$\text{Cos}[\lambda 2]\ (-1+2\,\text{Cos}[2\,\lambda 2])\Big)\Big/\Big(r\ r1\ \sqrt{r^2+r1^2-2\ r\ r1\ \text{Cos}[\theta 2]}\Big)-$$

$$\frac{1}{2\ r\ r1}\Bigg(\Bigg(2\left(r^2-2\ r\ r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\ r\ r1\ \text{Cos}[\theta 2]}{r^2-2\ r\ r1+r1^2}}\ \text{EllipticE}\Big[$$

$$\frac{\theta 2}{2},-\frac{4\ r\ r1}{r^2-2\ r\ r1+r1^2}\Big]\Bigg)\Big/\Big(\sqrt{r^2+r1^2-2\ r\ r1\ \text{Cos}[\theta 2]}\Big)-$$

$$\Bigg(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\ r\ r1\ \text{Cos}[\theta 2]}{r^2-2\ r\ r1+r1^2}}\ \text{EllipticF}\Big[$$

$$\frac{\theta 2}{2},-\frac{4\ r\ r1}{r^2-2\ r\ r1+r1^2}\Big]\Bigg)\Big/$$

$$\Big(\sqrt{r^2+r1^2-2\ r\ r1\ \text{Cos}[\theta 2]}\Big)\Bigg)\ \text{Sin}[3\,\lambda 2]\Bigg)\Bigg)+$$

$$\frac{1}{r^2-r1^2}\ 32\ r^2\ r1\ \Bigg(\text{Cos}[\lambda]\ (-1+2\,\text{Cos}[2\,\lambda])\ \Bigg(-\frac{1}{2\ r\ r1}\ \text{Cos}[3\,\lambda 2]$$

$$\Bigg(\Bigg(2\left(r^2-2\ r\ r1+r1^2\right)\sqrt{\frac{r^2+r1^2-2\ r\ r1\ \text{Cos}[\theta 2]}{r^2-2\ r\ r1+r1^2}}\ \text{EllipticE}\Big[\frac{\theta 2}{2},$$

$$-\frac{4\ r\ r1}{r^2-2\ r\ r1+r1^2}\Big]\Bigg)\Big/\Big(\sqrt{r^2+r1^2-2\ r\ r1\ \text{Cos}[\theta 2]}\Big)-$$

$$\Bigg(2\left(r^2+r1^2\right)\sqrt{\frac{r^2+r1^2-2\ r\ r1\ \text{Cos}[\theta 2]}{r^2-2\ r\ r1+r1^2}}\ \text{EllipticF}\Big[\frac{\theta 2}{2},$$

$$-\frac{4\ r\ r1}{r^2-2\ r\ r1+r1^2}\Big]\Bigg)\Big/\Big(\sqrt{r^2+r1^2-2\ r\ r1\ \text{Cos}[\theta 2]}\Big)\Bigg)+$$

$$\Bigg(\sqrt{\frac{r^2+r1^2-2\ r\ r1\ \text{Cos}[\theta 2]}{r^2+r1^2}}\ \Bigg(-r^2-r1^2+r^2\sqrt{\frac{r^2+r1^2-2\ r\ r1\ \text{Cos}[\theta 2]}{r^2+r1^2}}+$$

$$r1^2\sqrt{\frac{r^2+r1^2-2\ r\ r1\ \text{Cos}[\theta 2]}{r^2+r1^2}}\Bigg)\ (1+2\,\text{Cos}[2\,\lambda 2])$$

$$\text{Sin}[\lambda 2]\Bigg)\Big/\Big(r\ r1\ \sqrt{r^2+r1^2-2\ r\ r1\ \text{Cos}[\theta 2]}\Big)\Bigg)-$$

$$(1+2\,\mathrm{Cos}[2\,\lambda])\,\mathrm{Sin}[\lambda]\,\Bigg(\Bigg(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}\,\Bigg(-r^2-r1^2+$$

$$r^2\,\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}+r1^2\,\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}\Bigg)$$

$$\mathrm{Cos}[\lambda 2]\,(-1+2\,\mathrm{Cos}[2\,\lambda 2])\Bigg)\Big/\Big(r\,r1\,\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\Big)+$$

$$\frac{1}{2\,r\,r1}\,\Bigg(\Bigg(2\,(r^2-2\,r\,r1+r1^2)\,\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r1+r1^2}}\,\mathrm{EllipticE}\Big[$$

$$\frac{\theta 2}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Bigg)\Big/\Big(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\Big)-$$

$$\Bigg(2\,(r^2+r1^2)\,\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r1+r1^2}}\,\mathrm{EllipticF}\Big[$$

$$\frac{\theta 2}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Bigg)\Big/$$

$$\Big(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\Big)\Bigg)\,\mathrm{Sin}[3\,\lambda 2]\Bigg)\Bigg)-$$

$$\frac{1}{r^2-r1^2}\,12\,r1^3\,\Bigg(\mathrm{Cos}[\lambda]\,(-1+2\,\mathrm{Cos}[2\,\lambda])\,\Bigg(-\frac{1}{2\,r\,r1}\,\mathrm{Cos}[3\,\lambda 2]$$

$$\Bigg(\Bigg(2\,(r^2-2\,r\,r1+r1^2)\,\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r1+r1^2}}\,\mathrm{EllipticE}\Big[\frac{\theta 2}{2},$$

$$-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Bigg)\Big/\Big(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\Big)-$$

$$\Bigg(2\,(r^2+r1^2)\,\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r1+r1^2}}\,\mathrm{EllipticF}\Big[\frac{\theta 2}{2},$$

$$-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Bigg)\Big/\Big(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\Big)\Bigg)+$$

$$\Bigg(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}\,\Bigg(-r^2-r1^2+r^2\,\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}+$$

$$r1^2 \sqrt{\frac{r^2 + r1^2 - 2\, r\, r1 \operatorname{Cos}[\theta 2]}{r^2 + r1^2}}\Bigg) (1 + 2 \operatorname{Cos}[2\, \lambda 2])$$

$$\operatorname{Sin}[\lambda 2]\Bigg) \Big/ \left(r\, r1 \sqrt{r^2 + r1^2 - 2\, r\, r1 \operatorname{Cos}[\theta 2]}\right)\Bigg) -$$

$$(1 + 2 \operatorname{Cos}[2\, \lambda]) \operatorname{Sin}[\lambda] \Bigg(\Bigg(\sqrt{\frac{r^2 + r1^2 - 2\, r\, r1 \operatorname{Cos}[\theta 2]}{r^2 + r1^2}} \Bigg(-r^2 - r1^2 +$$

$$r^2 \sqrt{\frac{r^2 + r1^2 - 2\, r\, r1 \operatorname{Cos}[\theta 2]}{r^2 + r1^2}} + r1^2 \sqrt{\frac{r^2 + r1^2 - 2\, r\, r1 \operatorname{Cos}[\theta 2]}{r^2 + r1^2}}\Bigg)$$

$$\operatorname{Cos}[\lambda 2]\, (-1 + 2 \operatorname{Cos}[2\, \lambda 2])\Bigg) \Big/ \left(r\, r1 \sqrt{r^2 + r1^2 - 2\, r\, r1 \operatorname{Cos}[\theta 2]}\right) +$$

$$\frac{1}{2\, r\, r1} \Bigg(\Bigg(2 \left(r^2 - 2\, r\, r1 + r1^2\right) \sqrt{\frac{r^2 + r1^2 - 2\, r\, r1 \operatorname{Cos}[\theta 2]}{r^2 - 2\, r\, r1 + r1^2}} \operatorname{EllipticE}\Big[$$

$$\frac{\theta 2}{2}, -\frac{4\, r\, r1}{r^2 - 2\, r\, r1 + r1^2}\Big]\Bigg) \Big/ \left(\sqrt{r^2 + r1^2 - 2\, r\, r1 \operatorname{Cos}[\theta 2]}\right) -$$

$$\Bigg(2 \left(r^2 + r1^2\right) \sqrt{\frac{r^2 + r1^2 - 2\, r\, r1 \operatorname{Cos}[\theta 2]}{r^2 - 2\, r\, r1 + r1^2}} \operatorname{EllipticF}\Big[$$

$$\frac{\theta 2}{2}, -\frac{4\, r\, r1}{r^2 - 2\, r\, r1 + r1^2}\Big]\Bigg) \Big/$$

$$\left(\sqrt{r^2 + r1^2 - 2\, r\, r1 \operatorname{Cos}[\theta 2]}\right)\Bigg) \operatorname{Sin}[3\, \lambda 2]\Bigg)\Bigg) -$$

$$\frac{1}{r^2 \left(r^2 - r1^2\right)} 8\, r1^5 \Bigg(\operatorname{Cos}[\lambda]\, (-1 + 2 \operatorname{Cos}[2\, \lambda]) \Bigg(-\frac{1}{2\, r\, r1} \operatorname{Cos}[3\, \lambda 2]$$

$$\Bigg(\Bigg(2 \left(r^2 - 2\, r\, r1 + r1^2\right) \sqrt{\frac{r^2 + r1^2 - 2\, r\, r1 \operatorname{Cos}[\theta 2]}{r^2 - 2\, r\, r1 + r1^2}} \operatorname{EllipticE}\Big[\frac{\theta 2}{2},$$

$$-\frac{4\, r\, r1}{r^2 - 2\, r\, r1 + r1^2}\Big]\Bigg) \Big/ \left(\sqrt{r^2 + r1^2 - 2\, r\, r1 \operatorname{Cos}[\theta 2]}\right) -$$

$$\Bigg(2 \left(r^2 + r1^2\right) \sqrt{\frac{r^2 + r1^2 - 2\, r\, r1 \operatorname{Cos}[\theta 2]}{r^2 - 2\, r\, r1 + r1^2}} \operatorname{EllipticF}\Big[\frac{\theta 2}{2},$$

$$-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Big)\Big/\Big(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\Big)\Big)+$$

$$\Big(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}\,\Big(-r^2-r1^2+r^2\,\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}+$$

$$r1^2\,\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}\Big)\,(1+2\,\mathrm{Cos}[2\,\lambda 2])$$

$$\mathrm{Sin}[\lambda 2]\Big)\Big/\Big(r\,r1\,\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\Big)\Big)-$$

$$(1+2\,\mathrm{Cos}[2\,\lambda])\,\mathrm{Sin}[\lambda]\,\Big(\Big(\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}\,\Big(-r^2-r1^2+$$

$$r^2\,\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}+r1^2\,\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2+r1^2}}\Big)$$

$$\mathrm{Cos}[\lambda 2]\,(-1+2\,\mathrm{Cos}[2\,\lambda 2])\Big)\Big/\Big(r\,r1\,\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\Big)+$$

$$\frac{1}{2\,r\,r1}\Big(\Big(2\,(r^2-2\,r\,r1+r1^2)\,\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r1+r1^2}}\,\mathrm{EllipticE}\Big[$$

$$\frac{\theta 2}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Big)\Big/\Big(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\Big)-$$

$$\Big(2\,(r^2+r1^2)\,\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r1+r1^2}}\,\mathrm{EllipticF}\Big[$$

$$\frac{\theta 2}{2},-\frac{4\,r\,r1}{r^2-2\,r\,r1+r1^2}\Big]\Big)\Big/$$

$$\Big(\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 2]}\Big)\Big)\,\mathrm{Sin}[3\,\lambda 2]\Big)\Big)-$$

$$\frac{1}{r^2-r2^2}\,32\,r^2\,r2\,\Big(\mathrm{Cos}[\lambda]\,(-1+2\,\mathrm{Cos}[2\,\lambda])\,\Big(-\frac{1}{2\,r\,r2}\,\mathrm{Cos}[3\,\lambda 2]$$

$$\Big(\Big(2\,(r^2-2\,r\,r2+r2^2)\,\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r2+r2^2}}\,\mathrm{EllipticE}\Big[\frac{\theta 2}{2},$$

$$-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\Big)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta2]}\right)-$$

$$\left(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta2]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticF}\Big[\frac{\theta2}{2},\right.$$

$$\left.-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta2]}\right)\Bigg)-$$

$$\left(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta2]}{r^2+r2^2}}\left(-r^2-r2^2+r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta2]}{r^2+r2^2}}+\right.\right.$$

$$\left.r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta2]}{r^2+r2^2}}\right)(1+2\,\mathrm{Cos}[2\,\lambda2])$$

$$\left.\mathrm{Sin}[\lambda2]\right)\Big/\left(r\,r2\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta2]}\right)\Bigg)+$$

$$(1+2\,\mathrm{Cos}[2\,\lambda])\,\mathrm{Sin}[\lambda]\left(\left(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta2]}{r^2+r2^2}}\left(-r^2-r2^2+\right.\right.\right.$$

$$\left.r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta2]}{r^2+r2^2}}+r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta2]}{r^2+r2^2}}\right)$$

$$\left.\mathrm{Cos}[\lambda2]\,(-1+2\,\mathrm{Cos}[2\,\lambda2])\right)\Big/\left(r\,r2\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta2]}\right)-$$

$$\frac{1}{2\,r\,r2}\left(\left(2\left(r^2-2\,r\,r2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta2]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticE}\Big[\right.\right.$$

$$\left.\frac{\theta2}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta2]}\right)-$$

$$\left(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta2]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticF}\Big[\right.$$

$$\left.\frac{\theta2}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\right)\Big/$$

$$\left.\left.\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta2]}\right)\mathrm{Sin}[3\,\lambda2]\right)\right)+$$

$$\frac{1}{r^2 - r2^2}\, 12\, r2^3 \Bigg(\mathrm{Cos}[\lambda]\ (-1 + 2\,\mathrm{Cos}[2\,\lambda])\ \Bigg(-\frac{1}{2\,r\,r2}\,\mathrm{Cos}[3\,\lambda 2]$$

$$\Bigg(\Bigg(2\left(r^2 - 2\,r\,r2 + r2^2\right)\sqrt{\frac{r^2 + r2^2 - 2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2 - 2\,r\,r2 + r2^2}}\ \mathrm{EllipticE}\Big[\frac{\theta 2}{2},$$

$$-\frac{4\,r\,r2}{r^2 - 2\,r\,r2 + r2^2}\Big]\Bigg) \Big/ \left(\sqrt{r^2 + r2^2 - 2\,r\,r2\,\mathrm{Cos}[\theta 2]}\right) -$$

$$\Bigg(2\left(r^2 + r2^2\right)\sqrt{\frac{r^2 + r2^2 - 2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2 - 2\,r\,r2 + r2^2}}\ \mathrm{EllipticF}\Big[\frac{\theta 2}{2},$$

$$-\frac{4\,r\,r2}{r^2 - 2\,r\,r2 + r2^2}\Big]\Bigg) \Big/ \left(\sqrt{r^2 + r2^2 - 2\,r\,r2\,\mathrm{Cos}[\theta 2]}\right)\Bigg) -$$

$$\Bigg(\sqrt{\frac{r^2 + r2^2 - 2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2 + r2^2}}\ \Bigg(-r^2 - r2^2 + r^2\sqrt{\frac{r^2 + r2^2 - 2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2 + r2^2}} +$$

$$r2^2\sqrt{\frac{r^2 + r2^2 - 2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2 + r2^2}}\Bigg)\ (1 + 2\,\mathrm{Cos}[2\,\lambda 2])$$

$$\mathrm{Sin}[\lambda 2]\Bigg) \Big/ \left(r\,r2\sqrt{r^2 + r2^2 - 2\,r\,r2\,\mathrm{Cos}[\theta 2]}\right)\Bigg) +$$

$$(1 + 2\,\mathrm{Cos}[2\,\lambda])\ \mathrm{Sin}[\lambda]\ \Bigg(\Bigg(\sqrt{\frac{r^2 + r2^2 - 2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2 + r2^2}}\ \Bigg(-r^2 - r2^2 +$$

$$r^2\sqrt{\frac{r^2 + r2^2 - 2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2 + r2^2}} + r2^2\sqrt{\frac{r^2 + r2^2 - 2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2 + r2^2}}\Bigg)$$

$$\mathrm{Cos}[\lambda 2]\ (-1 + 2\,\mathrm{Cos}[2\,\lambda 2])\Bigg) \Big/ \left(r\,r2\sqrt{r^2 + r2^2 - 2\,r\,r2\,\mathrm{Cos}[\theta 2]}\right) -$$

$$\frac{1}{2\,r\,r2}\Bigg(\Bigg(2\left(r^2 - 2\,r\,r2 + r2^2\right)\sqrt{\frac{r^2 + r2^2 - 2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2 - 2\,r\,r2 + r2^2}}\ \mathrm{EllipticE}\Big[$$

$$\frac{\theta 2}{2}, -\frac{4\,r\,r2}{r^2 - 2\,r\,r2 + r2^2}\Big]\Bigg) \Big/ \left(\sqrt{r^2 + r2^2 - 2\,r\,r2\,\mathrm{Cos}[\theta 2]}\right) -$$

$$\Bigg(2\left(r^2 + r2^2\right)\sqrt{\frac{r^2 + r2^2 - 2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2 - 2\,r\,r2 + r2^2}}\ \mathrm{EllipticF}\Big[$$

$$\frac{\theta 2}{2}, -\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\Big]\Big) \Big/$$

$$\left(\sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}\right)\Big) \mathrm{Sin}[3\, \lambda 2]\Big)\Big) +$$

$$\frac{1}{r^2\left(r^2 - r2^2\right)}\, 8\, r2^5 \Big(\mathrm{Cos}[\lambda]\, (-1 + 2\, \mathrm{Cos}[2\, \lambda])\, \Big(-\frac{1}{2\, r\, r2}\, \mathrm{Cos}[3\, \lambda 2]$$

$$\Big(\Big(2\left(r^2 - 2\, r\, r2 + r2^2\right) \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}{r^2 - 2\, r\, r2 + r2^2}}\, \mathrm{EllipticE}\Big[\frac{\theta 2}{2},$$

$$-\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\Big]\Big) \Big/ \left(\sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}\right) -$$

$$\Big(2\left(r^2 + r2^2\right) \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}{r^2 - 2\, r\, r2 + r2^2}}\, \mathrm{EllipticF}\Big[\frac{\theta 2}{2},$$

$$-\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\Big]\Big) \Big/ \left(\sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}\right)\Big) -$$

$$\Big(\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}{r^2 + r2^2}}\, \Big(-r^2 - r2^2 + r^2 \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}{r^2 + r2^2}} +$$

$$r2^2 \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}{r^2 + r2^2}}\Big)\, (1 + 2\, \mathrm{Cos}[2\, \lambda 2])$$

$$\mathrm{Sin}[\lambda 2]\Big) \Big/ \left(r\, r2 \sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}\right)\Big) +$$

$$(1 + 2\, \mathrm{Cos}[2\, \lambda])\, \mathrm{Sin}[\lambda]\, \Big(\Big(\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}{r^2 + r2^2}}\, \Big(-r^2 - r2^2 +$$

$$r^2 \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}{r^2 + r2^2}} + r2^2 \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}{r^2 + r2^2}}\Big)$$

$$\mathrm{Cos}[\lambda 2]\, (-1 + 2\, \mathrm{Cos}[2\, \lambda 2])\Big) \Big/ \left(r\, r2 \sqrt{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}\right) -$$

$$\frac{1}{2\, r\, r2}\, \Big(\Big(2\left(r^2 - 2\, r\, r2 + r2^2\right) \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\, \mathrm{Cos}[\theta 2]}{r^2 - 2\, r\, r2 + r2^2}}\, \mathrm{EllipticE}\Big[$$

$$\frac{\theta 2}{2}, -\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\Big)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}\right)-$$

$$\left(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticF}\Big[\right.$$

$$\left.\frac{\theta 2}{2}, -\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\right)\Big/$$

$$\left.\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}\right)\right)\mathrm{Sin}[3\,\lambda 2]\Big)\Big)-$$

$$\frac{1}{r^2-r2^2}\,32\,r^2\,r2\left(\mathrm{Cos}[\lambda]\,(-1+2\,\mathrm{Cos}[2\,\lambda])\left(-\frac{1}{2\,r\,r2}\,\mathrm{Cos}[3\,\lambda 2]\right.\right.$$

$$\left(\left(2\left(r^2-2\,r\,r2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticE}\Big[\frac{\theta 2}{2},\right.\right.$$

$$\left.-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}\right)-$$

$$\left(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r2+r2^2}}\;\mathrm{EllipticF}\Big[\frac{\theta 2}{2},\right.$$

$$\left.\left.-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\right)\Big/\left(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}\right)\right)+$$

$$\left(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2+r2^2}}\left(-r^2-r2^2+r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2+r2^2}}+\right.\right.$$

$$\left.r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2+r2^2}}\right)(1+2\,\mathrm{Cos}[2\,\lambda 2])$$

$$\left.\mathrm{Sin}[\lambda 2]\right)\Big/\left(r\,r2\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}\right)\Big)-$$

$$(1+2\,\mathrm{Cos}[2\,\lambda])\,\mathrm{Sin}[\lambda]\left(\left(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2+r2^2}}\left(-r^2-r2^2+\right.\right.\right.$$

$$\left.r^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2+r2^2}}+r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2+r2^2}}\right)$$

$$\text{Cos}[\lambda 2]\ (-1+2\,\text{Cos}[2\,\lambda 2])\Big)\Big/\Big(r\ r2\ \sqrt{r^2+r2^2-2\ r\ r2\ \text{Cos}[\theta 2]}\Big)+$$

$$\frac{1}{2\ r\ r2}\Bigg(\Bigg(2\left(r^2-2\ r\ r2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\ r\ r2\ \text{Cos}[\theta 2]}{r^2-2\ r\ r2+r2^2}}\ \text{EllipticE}\Big[$$

$$\frac{\theta 2}{2},-\frac{4\ r\ r2}{r^2-2\ r\ r2+r2^2}\Big]\Bigg)\Big/\Big(\sqrt{r^2+r2^2-2\ r\ r2\ \text{Cos}[\theta 2]}\Big)-$$

$$\Bigg(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\ r\ r2\ \text{Cos}[\theta 2]}{r^2-2\ r\ r2+r2^2}}\ \text{EllipticF}\Big[$$

$$\frac{\theta 2}{2},-\frac{4\ r\ r2}{r^2-2\ r\ r2+r2^2}\Big]\Bigg)\Big/$$

$$\Big(\sqrt{r^2+r2^2-2\ r\ r2\ \text{Cos}[\theta 2]}\Big)\Bigg)\ \text{Sin}[3\,\lambda 2]\Bigg)\Bigg)+$$

$$\frac{1}{r^2-r2^2}\ 12\ r2^3\Bigg(\text{Cos}[\lambda]\ (-1+2\,\text{Cos}[2\,\lambda])\ \Bigg(-\frac{1}{2\ r\ r2}\ \text{Cos}[3\,\lambda 2]$$

$$\Bigg(\Bigg(2\left(r^2-2\ r\ r2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\ r\ r2\ \text{Cos}[\theta 2]}{r^2-2\ r\ r2+r2^2}}\ \text{EllipticE}\Big[\frac{\theta 2}{2},$$

$$-\frac{4\ r\ r2}{r^2-2\ r\ r2+r2^2}\Big]\Bigg)\Big/\Big(\sqrt{r^2+r2^2-2\ r\ r2\ \text{Cos}[\theta 2]}\Big)-$$

$$\Bigg(2\left(r^2+r2^2\right)\sqrt{\frac{r^2+r2^2-2\ r\ r2\ \text{Cos}[\theta 2]}{r^2-2\ r\ r2+r2^2}}\ \text{EllipticF}\Big[\frac{\theta 2}{2},$$

$$-\frac{4\ r\ r2}{r^2-2\ r\ r2+r2^2}\Big]\Bigg)\Big/\Big(\sqrt{r^2+r2^2-2\ r\ r2\ \text{Cos}[\theta 2]}\Big)\Bigg)+$$

$$\Bigg(\sqrt{\frac{r^2+r2^2-2\ r\ r2\ \text{Cos}[\theta 2]}{r^2+r2^2}}\ \Bigg(-r^2-r2^2+r^2\sqrt{\frac{r^2+r2^2-2\ r\ r2\ \text{Cos}[\theta 2]}{r^2+r2^2}}+$$

$$r2^2\sqrt{\frac{r^2+r2^2-2\ r\ r2\ \text{Cos}[\theta 2]}{r^2+r2^2}}\Bigg)\ (1+2\,\text{Cos}[2\,\lambda 2])$$

$$\text{Sin}[\lambda 2]\Bigg)\Big/\Big(r\ r2\ \sqrt{r^2+r2^2-2\ r\ r2\ \text{Cos}[\theta 2]}\Big)\Bigg)-$$

$$(1+2\,\mathrm{Cos}[2\,\lambda])\,\mathrm{Sin}[\lambda]\,\Bigg(\Bigg(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2+r2^2}}\,\Bigg(-r^2-r2^2+$$

$$r^2\,\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2+r2^2}}+r2^2\,\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2+r2^2}}\Bigg)$$

$$\mathrm{Cos}[\lambda 2]\,(-1+2\,\mathrm{Cos}[2\,\lambda 2])\Bigg)\Big/\Big(r\,r2\,\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}\Big)+$$

$$\frac{1}{2\,r\,r2}\,\Bigg(\Bigg(2\,(r^2-2\,r\,r2+r2^2)\,\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r2+r2^2}}\,\mathrm{EllipticE}\Big[$$

$$\frac{\theta 2}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\Bigg)\Big/\Big(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}\Big)-$$

$$\Bigg(2\,(r^2+r2^2)\,\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r2+r2^2}}\,\mathrm{EllipticF}\Big[$$

$$\frac{\theta 2}{2},-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\Bigg)\Big/$$

$$\Big(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}\Big)\Bigg)\,\mathrm{Sin}[3\,\lambda 2]\Bigg)\Bigg)+$$

$$\frac{1}{r^2\,(r^2-r2^2)}\,8\,r2^5\,\Bigg(\mathrm{Cos}[\lambda]\,(-1+2\,\mathrm{Cos}[2\,\lambda])\,\Bigg(-\frac{1}{2\,r\,r2}\,\mathrm{Cos}[3\,\lambda 2]$$

$$\Bigg(\Bigg(2\,(r^2-2\,r\,r2+r2^2)\,\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r2+r2^2}}\,\mathrm{EllipticE}\Big[\frac{\theta 2}{2},$$

$$-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\Bigg)\Big/\Big(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}\Big)-$$

$$\Bigg(2\,(r^2+r2^2)\,\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2-2\,r\,r2+r2^2}}\,\mathrm{EllipticF}\Big[\frac{\theta 2}{2},$$

$$-\frac{4\,r\,r2}{r^2-2\,r\,r2+r2^2}\Big]\Bigg)\Big/\Big(\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}\Big)\Bigg)+$$

$$\Bigg(\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2+r2^2}}\,\Bigg(-r^2-r2^2+r^2\,\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 2]}{r^2+r2^2}}+$$

$$r2^2 \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2 \,\mathrm{Cos}[\theta 2]}{r^2 + r2^2}}\Bigg) (1 + 2\,\mathrm{Cos}[2\,\lambda 2])$$

$$\mathrm{Sin}[\lambda 2]\Bigg) \Big/ \left(r\, r2 \sqrt{r^2 + r2^2 - 2\, r\, r2\,\mathrm{Cos}[\theta 2]}\right)\Bigg) -$$

$$(1 + 2\,\mathrm{Cos}[2\,\lambda])\,\mathrm{Sin}[\lambda]\Bigg(\Bigg(\sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\,\mathrm{Cos}[\theta 2]}{r^2 + r2^2}}\Bigg(-r^2 - r2^2 +$$

$$r^2 \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\,\mathrm{Cos}[\theta 2]}{r^2 + r2^2}} + r2^2 \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\,\mathrm{Cos}[\theta 2]}{r^2 + r2^2}}\Bigg)$$

$$\mathrm{Cos}[\lambda 2]\,(-1 + 2\,\mathrm{Cos}[2\,\lambda 2])\Bigg) \Big/ \left(r\, r2 \sqrt{r^2 + r2^2 - 2\, r\, r2\,\mathrm{Cos}[\theta 2]}\right) +$$

$$\frac{1}{2\, r\, r2}\Bigg(\Bigg(2\left(r^2 - 2\, r\, r2 + r2^2\right) \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\,\mathrm{Cos}[\theta 2]}{r^2 - 2\, r\, r2 + r2^2}}\ \mathrm{EllipticE}\Big[$$

$$\frac{\theta 2}{2}, -\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\Big]\Bigg) \Big/ \left(\sqrt{r^2 + r2^2 - 2\, r\, r2\,\mathrm{Cos}[\theta 2]}\right) -$$

$$\Bigg(2\left(r^2 + r2^2\right) \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2\,\mathrm{Cos}[\theta 2]}{r^2 - 2\, r\, r2 + r2^2}}\ \mathrm{EllipticF}\Big[$$

$$\frac{\theta 2}{2}, -\frac{4\, r\, r2}{r^2 - 2\, r\, r2 + r2^2}\Big]\Bigg) \Big/$$

$$\left(\sqrt{r^2 + r2^2 - 2\, r\, r2\,\mathrm{Cos}[\theta 2]}\right)\Bigg)\,\mathrm{Sin}[3\,\lambda 2]\Bigg)\Bigg) +$$

$$\sqrt{r^2 + r1^2 - 2\, r\, r1\,\mathrm{Cos}[\theta 2]}\ \Bigg(\frac{1}{r^2 - r1^2}\, 32\,(2\, r1\,\mathrm{Cos}[3\,\lambda - 3\,\lambda 1] +$$

$$r\,\mathrm{Cos}[\theta 2 + 3\,\lambda - 3\,\lambda 1] + r\,\mathrm{Cos}[\theta 2 - 3\,\lambda + 3\,\lambda 1] - 2\, r1\,\mathrm{Cos}[3\,\lambda - 3\,\lambda 2] -$$

$$r\,\mathrm{Cos}[\theta 2 + 3\,\lambda - 3\,\lambda 2] - r\,\mathrm{Cos}[\theta 2 - 3\,\lambda + 3\,\lambda 2])\,\mathrm{Csc}[\theta 2] +$$

$$\Big(2\,\Big(15\, r^2\, r1^3\,\mathrm{Sin}[\theta 2 + 3\,\lambda - 3\,\lambda 1] + 5\, r1^5\,\mathrm{Sin}[\theta 2 + 3\,\lambda - 3\,\lambda 1] + 9\, r^2$$

$$r1^3\,\mathrm{Sin}[\theta 2 + \lambda - \lambda 1] - 45\, r1^5\,\mathrm{Sin}[\theta 2 + \lambda - \lambda 1] + 9\, r^2\, r1^3$$

$$\mathrm{Sin}[\theta 2 - \lambda + \lambda 1] - 45\, r1^5\,\mathrm{Sin}[\theta 2 - \lambda + \lambda 1] + 15\, r^2\, r1^3$$

$$\mathrm{Sin}[\theta 2 - 3\,\lambda + 3\,\lambda 1] + 5\, r1^5\,\mathrm{Sin}[\theta 2 - 3\,\lambda + 3\,\lambda 1] - 15\, r^2$$

$$r1^3\,\mathrm{Sin}[\theta 2 + 3\,\lambda - 3\,\lambda 2] - 5\, r1^5\,\mathrm{Sin}[\theta 2 + 3\,\lambda - 3\,\lambda 2] - 9$$

$$r^2\, r1^3\,\mathrm{Sin}[\theta 2 + \lambda - \lambda 2] + 45\, r1^5\,\mathrm{Sin}[\theta 2 + \lambda - \lambda 2] - 9\, r^2$$

$$r1^3\,\mathrm{Sin}[\theta 2 - \lambda + \lambda 2] + 45\, r1^5\,\mathrm{Sin}[\theta 2 - \lambda + \lambda 2] - 15\, r^2$$

$$r1^3\,\mathrm{Sin}[\theta 2 - 3\,\lambda + 3\,\lambda 2] - 5\, r1^5\,\mathrm{Sin}[\theta 2 - 3\,\lambda + 3\,\lambda 2]\Big)\Big) \Big/$$

$$\left(r^2\left(r^2 - r1^2\right)\left(-r^2 - r1^2 + 2\, r\, r1\,\mathrm{Cos}[\theta 2]\right)\right) +$$

```
                    1
 ---------------------------------------
 r^2 (-r^2 - r1^2 + 2 r r1 Cos[θ2])^2
  2 (r^2 r1^3 Sin[θ2 + 3 λ - 3 λ1] - r1^5 Sin[θ2 + 3 λ - 3 λ1] -
      9 r^2 r1^3 Sin[θ2 + λ - λ1] + 9 r1^5 Sin[θ2 + λ - λ1] -
      9 r^2 r1^3 Sin[θ2 - λ + λ1] + 9 r1^5 Sin[θ2 - λ + λ1] +
      r^2 r1^3 Sin[θ2 - 3 λ + 3 λ1] - r1^5 Sin[θ2 - 3 λ + 3 λ1] -
      r^2 r1^3 Sin[θ2 + 3 λ - 3 λ2] + r1^5 Sin[θ2 + 3 λ - 3 λ2] +
      9 r^2 r1^3 Sin[θ2 + λ - λ2] - 9 r1^5 Sin[θ2 + λ - λ2] +
      9 r^2 r1^3 Sin[θ2 - λ + λ2] - 9 r1^5 Sin[θ2 - λ + λ2] -
      r^2 r1^3 Sin[θ2 - 3 λ + 3 λ2] + r1^5 Sin[θ2 - 3 λ + 3 λ2])) +
 Sqrt[r^2 + r2^2 - 2 r r2 Cos[θ2]] (-1/(r^2 - r2^2) 32 (2 r2 Cos[3 λ - 3 λ1] + r
      Cos[θ2 + 3 λ - 3 λ1] + r Cos[θ2 - 3 λ + 3 λ1] - 2 r2 Cos[3 λ - 3 λ2] - r
      Cos[θ2 + 3 λ - 3 λ2] - r Cos[θ2 - 3 λ + 3 λ2]) Csc[θ2] -
   (2 (15 r^2 r2^3 Sin[θ2 + 3 λ - 3 λ1] + 5 r2^5 Sin[θ2 + 3 λ - 3 λ1] + 9 r^2
      r2^3 Sin[θ2 + λ - λ1] - 45 r2^5 Sin[θ2 + λ - λ1] + 9 r^2 r2^3
      Sin[θ2 - λ + λ1] - 45 r2^5 Sin[θ2 - λ + λ1] + 15 r^2 r2^3
      Sin[θ2 - 3 λ + 3 λ1] + 5 r2^5 Sin[θ2 - 3 λ + 3 λ1] - 15 r^2
      r2^3 Sin[θ2 + 3 λ - 3 λ2] - 5 r2^5 Sin[θ2 + 3 λ - 3 λ2] - 9
      r^2 r2^3 Sin[θ2 + λ - λ2] + 45 r2^5 Sin[θ2 + λ - λ2] - 9 r^2
      r2^3 Sin[θ2 - λ + λ2] + 45 r2^5 Sin[θ2 - λ + λ2] - 15 r^2
      r2^3 Sin[θ2 - 3 λ + 3 λ2] - 5 r2^5 Sin[θ2 - 3 λ + 3 λ2])) /
   (r^2 (r^2 - r2^2) (-r^2 - r2^2 + 2 r r2 Cos[θ2])) -
                    1
 ---------------------------------------
 r^2 (-r^2 - r2^2 + 2 r r2 Cos[θ2])^2
  2 (r^2 r2^3 Sin[θ2 + 3 λ - 3 λ1] - r2^5 Sin[θ2 + 3 λ - 3 λ1] -
      9 r^2 r2^3 Sin[θ2 + λ - λ1] + 9 r2^5 Sin[θ2 + λ - λ1] -
      9 r^2 r2^3 Sin[θ2 - λ + λ1] + 9 r2^5 Sin[θ2 - λ + λ1] +
      r^2 r2^3 Sin[θ2 - 3 λ + 3 λ1] - r2^5 Sin[θ2 - 3 λ + 3 λ1] -
      r^2 r2^3 Sin[θ2 + 3 λ - 3 λ2] + r2^5 Sin[θ2 + 3 λ - 3 λ2] +
      9 r^2 r2^3 Sin[θ2 + λ - λ2] - 9 r2^5 Sin[θ2 + λ - λ2] +
      9 r^2 r2^3 Sin[θ2 - λ + λ2] - 9 r2^5 Sin[θ2 - λ + λ2] -
      r^2 r2^3 Sin[θ2 - 3 λ + 3 λ2] + r2^5 Sin[θ2 - 3 λ + 3 λ2]))))
```

In[ ]:=
```
VyyySphericalZonalBand = Vyyy[0, 2 * Pi, θ1, θ2]
```

Out[ ]=
```
0
```

In[ ]:=
```
VyyySphericalShell = Vyyy[0, 2 * Pi, 0, Pi]
```

Infinity : Indeterminate expression 0 ComplexInfinity encountered.

Infinity : Indeterminate expression 0 ComplexInfinity encountered.

Infinity : Indeterminate expression 0 ComplexInfinity encountered.

General : Further output of Infinity::indet will be suppressed during this calculation.

Out[ ]=

Indeterminate

6. Vzzx

In[ ]:=

$$\text{FullSimplify}\left[\int r3^2\,\text{Sin}[\theta 3] * \left(\frac{15 * (-r + r3\,\text{Cos}[\theta 3])^2 * (-r3\,\text{Cos}[\lambda - \lambda 3]\,\text{Sin}[\theta 3])}{\left(\sqrt{r^2 + r3^2 - 2 * r * r3 * \text{Cos}[\theta 3]}\right)^7} - \frac{3 * (-r3\,\text{Cos}[\lambda - \lambda 3]\,\text{Sin}[\theta 3])}{\left(\sqrt{r^2 + r3^2 - 2 * r * r3 * \text{Cos}[\theta 3]}\right)^5}\right) d\lambda 3\right]$$

Out[ ]=

$$\frac{3\,r3^3\left(8\,r^2 + 3\,r3^2 - 16\,r\,r3\,\text{Cos}[\theta 3] + 5\,r3^2\,\text{Cos}[2\,\theta 3]\right)\text{Sin}[\theta 3]^2\,\text{Sin}[\lambda - \lambda 3]}{2\left(r^2 + r3^2 - 2\,r\,r3\,\text{Cos}[\theta 3]\right)^{7/2}}$$

In[ ]:=

$$\text{Vzzx}\lambda 3[\lambda 3_] := \frac{3\,r3^3\left(8\,r^2 + 3\,r3^2 - 16\,r\,r3\,\text{Cos}[\theta 3] + 5\,r3^2\,\text{Cos}[2\,\theta 3]\right)\text{Sin}[\theta 3]^2\,\text{Sin}[\lambda - \lambda 3]}{2\left(r^2 + r3^2 - 2\,r\,r3\,\text{Cos}[\theta 3]\right)^{7/2}}$$

In[ ]:=
```
FullSimplify[Vzzxλ3[λ2] - Vzzxλ3[λ1]]
```

Out[ ]=

$$\frac{3\,r3^3\left(8\,r^2 + 3\,r3^2 - 16\,r\,r3\,\text{Cos}[\theta 3] + 5\,r3^2\,\text{Cos}[2\,\theta 3]\right)\text{Cos}\left[\lambda - \frac{\lambda 1}{2} - \frac{\lambda 2}{2}\right]\text{Sin}[\theta 3]^2\,\text{Sin}\left[\frac{\lambda 1 - \lambda 2}{2}\right]}{\left(r^2 + r3^2 - 2\,r\,r3\,\text{Cos}[\theta 3]\right)^{7/2}}$$

In[ ]:=

$$\text{FullSimplify}\left[\int\left(\left(3\,r3^3\left(8\,r^2 + 3\,r3^2 - 16\,r\,r3\,\text{Cos}[\theta 3] + 5\,r3^2\,\text{Cos}[2\,\theta 3]\right)\text{Cos}\left[\lambda - \frac{\lambda 1}{2} - \frac{\lambda 2}{2}\right]\text{Sin}[\theta 3]^2\,\text{Sin}\left[\frac{\lambda 1 - \lambda 2}{2}\right]\right) \Big/ \left(r^2 + r3^2 - 2\,r\,r3\,\text{Cos}[\theta 3]\right)^{7/2}\right) dr3\right]$$

Out[ ]=

$$\frac{6\,r3^4\,(r - r3\,\text{Cos}[\theta 3])\,\text{Cos}\left[\lambda - \frac{\lambda 1}{2} - \frac{\lambda 2}{2}\right]\text{Sin}[\theta 3]^2\,\text{Sin}\left[\frac{\lambda 1 - \lambda 2}{2}\right]}{r\left(r^2 + r3^2 - 2\,r\,r3\,\text{Cos}[\theta 3]\right)^{5/2}}$$

In[ ]:=

$$\text{Vzzxr3}[r3_] := \frac{6\,r3^4\,(r - r3\,\text{Cos}[\theta 3])\,\text{Cos}\left[\lambda - \frac{\lambda 1}{2} - \frac{\lambda 2}{2}\right]\text{Sin}[\theta 3]^2\,\text{Sin}\left[\frac{\lambda 1 - \lambda 2}{2}\right]}{r\left(r^2 + r3^2 - 2\,r\,r3\,\text{Cos}[\theta 3]\right)^{5/2}}$$

In[ ]:=
```
Simplify[Vzzxr3[r2] - Vzzxr3[r1]]
```

Out[ ]=

$$\frac{6\left(\frac{r1^4\,(-r+r1\,\mathrm{Cos}[\theta 3])}{\left(r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]\right)^{5/2}}+\frac{r2^4\,(r-r2\,\mathrm{Cos}[\theta 3])}{\left(r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]\right)^{5/2}}\right)\mathrm{Cos}\left[\lambda-\frac{\lambda 1}{2}-\frac{\lambda 2}{2}\right]\mathrm{Sin}[\theta 3]^2\,\mathrm{Sin}\left[\frac{\lambda 1-\lambda 2}{2}\right]}{r}$$

In[ ]:=
```
Simplify[
```

$$\int\left(\frac{6\left(\frac{r1^4\,(-r+r1\,\mathrm{Cos}[\theta 3])}{\left(r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]\right)^{5/2}}+\frac{r2^4\,(r-r2\,\mathrm{Cos}[\theta 3])}{\left(r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]\right)^{5/2}}\right)\mathrm{Cos}\left[\lambda-\frac{\lambda 1}{2}-\frac{\lambda 2}{2}\right]\mathrm{Sin}[\theta 3]^2\,\mathrm{Sin}\left[\frac{\lambda 1-\lambda 2}{2}\right]}{r}\right)$$

```
dⅆθ3]
```

Out[ ]=

$$\frac{1}{r^4}\,2\,\mathrm{Cos}\left[\lambda-\frac{\lambda 1}{2}-\frac{\lambda 2}{2}\right]$$
$$\left(\left(r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}{(r-r1)^2}}\left(\left(r^3-r^2\,r1-2\,r\,r1^2+2\,r1^3\right)\mathrm{EllipticE}\left[\frac{\theta 3}{2},-\frac{4\,r\,r1}{(r-r1)^2}\right]-\left(r^3+r^2\,r1+2\,r\,r1^2+2\,r1^3\right)\mathrm{EllipticF}\left[\frac{\theta 3}{2},-\frac{4\,r\,r1}{(r-r1)^2}\right]\right)\right)\Big/\left((r+r1)\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]}\right)+\left(r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}{(r-r2)^2}}\left(\left(-r^3+r^2\,r2+2\,r\,r2^2-2\,r2^3\right)\mathrm{EllipticE}\left[\frac{\theta 3}{2},-\frac{4\,r\,r2}{(r-r2)^2}\right]+\left(r^3+r^2\,r2+2\,r\,r2^2+2\,r2^3\right)\mathrm{EllipticF}\left[\frac{\theta 3}{2},-\frac{4\,r\,r2}{(r-r2)^2}\right]\right)\right)\Big/\left((r+r2)\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]}\right)+\frac{r\,r1^3\left(r^4-3\,r^2\,r1^2-2\,r1^4-r\,r1\left(r^2-5\,r1^2\right)\mathrm{Cos}[\theta 3]\right)\mathrm{Sin}[\theta 3]}{\left(r^2-r1^2\right)\left(r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta 3]\right)^{3/2}}+\frac{r\,r2^3\left(-r^4+3\,r^2\,r2^2+2\,r2^4+r\,r2\left(r^2-5\,r2^2\right)\mathrm{Cos}[\theta 3]\right)\mathrm{Sin}[\theta 3]}{\left(r^2-r2^2\right)\left(r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta 3]\right)^{3/2}}\right)\mathrm{Sin}\left[\frac{\lambda 1-\lambda 2}{2}\right]$$

In[ ]:=
```
Vzzxθ3[θ3_] := 1/r^4 2 Cos[λ - λ1/2 - λ2/2]
  (((r1^2 Sqrt[(r^2 + r1^2 - 2 r r1 Cos[θ3])/(r - r1)^2] ((r^3 - r^2 r1 - 2 r r1^2 + 2 r1^3) EllipticE[θ3/2,
        - (4 r r1)/(r - r1)^2] - (r^3 + r^2 r1 + 2 r r1^2 + 2 r1^3) EllipticF[θ3/2, - (4 r r1)/(r - r1)^2]))/
    ((r + r1) Sqrt[r^2 + r1^2 - 2 r r1 Cos[θ3]]) + (r2^2 Sqrt[(r^2 + r2^2 - 2 r r2 Cos[θ3])/(r - r2)^2]
      ((-r^3 + r^2 r2 + 2 r r2^2 - 2 r2^3) EllipticE[θ3/2, - (4 r r2)/(r - r2)^2] +
        (r^3 + r^2 r2 + 2 r r2^2 + 2 r2^3) EllipticF[θ3/2, - (4 r r2)/(r - r2)^2]))/
    ((r + r2) Sqrt[r^2 + r2^2 - 2 r r2 Cos[θ3]]) +
    (r r1^3 (r^4 - 3 r^2 r1^2 - 2 r1^4 - r r1 (r^2 - 5 r1^2) Cos[θ3]) Sin[θ3])/((r^2 - r1^2) (r^2 + r1^2 - 2 r r1 Cos[θ3])^(3/2)) +
    (r r2^3 (-r^4 + 3 r^2 r2^2 + 2 r2^4 + r r2 (r^2 - 5 r2^2) Cos[θ3]) Sin[θ3])/((r^2 - r2^2) (r^2 + r2^2 - 2 r r2 Cos[θ3])^(3/2)))
  Sin[(λ1 - λ2)/2]
```

In[ ]:=
```
G * rho * (Vzzxθ3[θ2] - Vzzxθ3[θ1])
```

Out[ ]=

G rho

$$\Bigg(-\frac{1}{r^4}\,2\,\mathrm{Cos}\Big[\lambda-\frac{\lambda1}{2}-\frac{\lambda2}{2}\Big]\Bigg(\Bigg(r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}{(r-r1)^2}}\Big(\big(r^3-r^2\,r1-2\,r\,r1^2+2\,r1^3\big)\,\mathrm{EllipticE}\Big[\frac{\theta1}{2},-\frac{4\,r\,r1}{(r-r1)^2}\Big]-\big(r^3+r^2\,r1+2\,r\,r1^2+2\,r1^3\big)\,\mathrm{EllipticF}\Big[\frac{\theta1}{2},-\frac{4\,r\,r1}{(r-r1)^2}\Big]\Big)\Bigg)\Big/\Big((r+r1)\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}\Big)+$$

$$\Bigg(r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta1]}{(r-r2)^2}}\Big(\big(-r^3+r^2\,r2+2\,r\,r2^2-2\,r2^3\big)\,\mathrm{EllipticE}\Big[\frac{\theta1}{2},-\frac{4\,r\,r2}{(r-r2)^2}\Big]+\big(r^3+r^2\,r2+2\,r\,r2^2+2\,r2^3\big)\,\mathrm{EllipticF}\Big[\frac{\theta1}{2},-\frac{4\,r\,r2}{(r-r2)^2}\Big]\Big)\Bigg)\Big/\Big((r+r2)\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta1]}\Big)+$$

$$\frac{r\, r1^3 \left(r^4 - 3 r^2 r1^2 - 2 r1^4 - r\, r1 \left(r^2 - 5 r1^2\right) \mathrm{Cos}[\theta 1]\right) \mathrm{Sin}[\theta 1]}{\left(r^2 - r1^2\right) \left(r^2 + r1^2 - 2 r\, r1 \mathrm{Cos}[\theta 1]\right)^{3/2}} +$$

$$\left.\frac{r\, r2^3 \left(-r^4 + 3 r^2 r2^2 + 2 r2^4 + r\, r2 \left(r^2 - 5 r2^2\right) \mathrm{Cos}[\theta 1]\right) \mathrm{Sin}[\theta 1]}{\left(r^2 - r2^2\right) \left(r^2 + r2^2 - 2 r\, r2 \mathrm{Cos}[\theta 1]\right)^{3/2}}\right) \mathrm{Sin}\left[\frac{\lambda 1 - \lambda 2}{2}\right] +$$

$$\frac{1}{r^4} 2 \mathrm{Cos}\left[\lambda - \frac{\lambda 1}{2} - \frac{\lambda 2}{2}\right] \left(\left(r1^2 \sqrt{\frac{r^2 + r1^2 - 2 r\, r1 \mathrm{Cos}[\theta 2]}{(r - r1)^2}}\right.\right.$$

$$\left(\left(r^3 - r^2 r1 - 2 r\, r1^2 + 2 r1^3\right) \mathrm{EllipticE}\left[\frac{\theta 2}{2}, -\frac{4 r\, r1}{(r - r1)^2}\right] -\right.$$

$$\left.\left.\left(r^3 + r^2 r1 + 2 r\, r1^2 + 2 r1^3\right) \mathrm{EllipticF}\left[\frac{\theta 2}{2}, -\frac{4 r\, r1}{(r - r1)^2}\right]\right)\right) \Big/$$

$$\left((r + r1) \sqrt{r^2 + r1^2 - 2 r\, r1 \mathrm{Cos}[\theta 2]}\right) + \left(r2^2 \sqrt{\frac{r^2 + r2^2 - 2 r\, r2 \mathrm{Cos}[\theta 2]}{(r - r2)^2}}\right.$$

$$\left(\left(-r^3 + r^2 r2 + 2 r\, r2^2 - 2 r2^3\right) \mathrm{EllipticE}\left[\frac{\theta 2}{2}, -\frac{4 r\, r2}{(r - r2)^2}\right] +\right.$$

$$\left.\left.\left(r^3 + r^2 r2 + 2 r\, r2^2 + 2 r2^3\right) \mathrm{EllipticF}\left[\frac{\theta 2}{2}, -\frac{4 r\, r2}{(r - r2)^2}\right]\right)\right) \Big/$$

$$\left((r + r2) \sqrt{r^2 + r2^2 - 2 r\, r2 \mathrm{Cos}[\theta 2]}\right) +$$

$$\frac{r\, r1^3 \left(r^4 - 3 r^2 r1^2 - 2 r1^4 - r\, r1 \left(r^2 - 5 r1^2\right) \mathrm{Cos}[\theta 2]\right) \mathrm{Sin}[\theta 2]}{\left(r^2 - r1^2\right) \left(r^2 + r1^2 - 2 r\, r1 \mathrm{Cos}[\theta 2]\right)^{3/2}} +$$

$$\left.\left.\frac{r\, r2^3 \left(-r^4 + 3 r^2 r2^2 + 2 r2^4 + r\, r2 \left(r^2 - 5 r2^2\right) \mathrm{Cos}[\theta 2]\right) \mathrm{Sin}[\theta 2]}{\left(r^2 - r2^2\right) \left(r^2 + r2^2 - 2 r\, r2 \mathrm{Cos}[\theta 2]\right)^{3/2}}\right) \mathrm{Sin}\left[\frac{\lambda 1 - \lambda 2}{2}\right]\right)$$

In[ ]:=
```
Vzzx[λ1_, λ2_, θ1_, θ2_] :=
```

$$\mathrm{G\ rho}\left(-\frac{1}{r^4} 2 \mathrm{Cos}\left[\lambda - \frac{\lambda 1}{2} - \frac{\lambda 2}{2}\right] \left(\left(r1^2 \sqrt{\frac{r^2 + r1^2 - 2 r\, r1 \mathrm{Cos}[\theta 1]}{(r - r1)^2}}\right.\right.\right.$$

$$\left(\left(r^3 - r^2 r1 - 2 r\, r1^2 + 2 r1^3\right) \mathrm{EllipticE}\left[\frac{\theta 1}{2}, -\frac{4 r\, r1}{(r - r1)^2}\right] -\right.$$

$$\left.\left.\left(r^3 + r^2 r1 + 2 r\, r1^2 + 2 r1^3\right) \mathrm{EllipticF}\left[\frac{\theta 1}{2}, -\frac{4 r\, r1}{(r - r1)^2}\right]\right)\right) \Big/$$

$$\left((r + r1) \sqrt{r^2 + r1^2 - 2 r\, r1 \mathrm{Cos}[\theta 1]}\right) + \left(r2^2 \sqrt{\frac{r^2 + r2^2 - 2 r\, r2 \mathrm{Cos}[\theta 1]}{(r - r2)^2}}\right.$$

$$\left(\left(-r^3 + r^2 r2 + 2 r\, r2^2 - 2 r2^3\right) \mathrm{EllipticE}\left[\frac{\theta 1}{2}, -\frac{4 r\, r2}{(r - r2)^2}\right] +\right.$$

$$\left(r^3 + r^2\, r2 + 2\, r\, r2^2 + 2\, r2^3\right) \text{EllipticF}\left[\frac{\theta 1}{2}, -\frac{4\, r\, r2}{(r - r2)^2}\right]\Bigg)\Bigg) \Big/$$

$$\left((r + r2)\ \sqrt{r^2 + r2^2 - 2\, r\, r2 \,\text{Cos}[\theta 1]}\right) +$$

$$\frac{r\, r1^3 \left(r^4 - 3\, r^2\, r1^2 - 2\, r1^4 - r\, r1 \left(r^2 - 5\, r1^2\right) \text{Cos}[\theta 1]\right) \text{Sin}[\theta 1]}{\left(r^2 - r1^2\right) \left(r^2 + r1^2 - 2\, r\, r1 \,\text{Cos}[\theta 1]\right)^{3/2}} +$$

$$\frac{r\, r2^3 \left(-r^4 + 3\, r^2\, r2^2 + 2\, r2^4 + r\, r2 \left(r^2 - 5\, r2^2\right) \text{Cos}[\theta 1]\right) \text{Sin}[\theta 1]}{\left(r^2 - r2^2\right) \left(r^2 + r2^2 - 2\, r\, r2 \,\text{Cos}[\theta 1]\right)^{3/2}}\Bigg)$$

$$\text{Sin}\left[\frac{\lambda 1 - \lambda 2}{2}\right] + \frac{1}{r^4}\, 2\, \text{Cos}\left[\lambda - \frac{\lambda 1}{2} - \frac{\lambda 2}{2}\right]$$

$$\Bigg(\Bigg(r1^2 \sqrt{\frac{r^2 + r1^2 - 2\, r\, r1 \,\text{Cos}[\theta 2]}{(r - r1)^2}}\ \Bigg(\left(r^3 - r^2\, r1 - 2\, r\, r1^2 + 2\, r1^3\right) \text{EllipticE}\Bigg[\frac{\theta 2}{2},$$

$$-\frac{4\, r\, r1}{(r - r1)^2}\Bigg] - \left(r^3 + r^2\, r1 + 2\, r\, r1^2 + 2\, r1^3\right) \text{EllipticF}\left[\frac{\theta 2}{2}, -\frac{4\, r\, r1}{(r - r1)^2}\right]\Bigg)\Bigg) \Big/$$

$$\left((r + r1)\ \sqrt{r^2 + r1^2 - 2\, r\, r1 \,\text{Cos}[\theta 2]}\right) + \Bigg(r2^2 \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2 \,\text{Cos}[\theta 2]}{(r - r2)^2}}$$

$$\Bigg(\left(-r^3 + r^2\, r2 + 2\, r\, r2^2 - 2\, r2^3\right) \text{EllipticE}\left[\frac{\theta 2}{2}, -\frac{4\, r\, r2}{(r - r2)^2}\right] +$$

$$\left(r^3 + r^2\, r2 + 2\, r\, r2^2 + 2\, r2^3\right) \text{EllipticF}\left[\frac{\theta 2}{2}, -\frac{4\, r\, r2}{(r - r2)^2}\right]\Bigg)\Bigg) \Big/$$

$$\left((r + r2)\ \sqrt{r^2 + r2^2 - 2\, r\, r2 \,\text{Cos}[\theta 2]}\right) +$$

$$\frac{r\, r1^3 \left(r^4 - 3\, r^2\, r1^2 - 2\, r1^4 - r\, r1 \left(r^2 - 5\, r1^2\right) \text{Cos}[\theta 2]\right) \text{Sin}[\theta 2]}{\left(r^2 - r1^2\right) \left(r^2 + r1^2 - 2\, r\, r1 \,\text{Cos}[\theta 2]\right)^{3/2}} +$$

$$\frac{r\, r2^3 \left(-r^4 + 3\, r^2\, r2^2 + 2\, r2^4 + r\, r2 \left(r^2 - 5\, r2^2\right) \text{Cos}[\theta 2]\right) \text{Sin}[\theta 2]}{\left(r^2 - r2^2\right) \left(r^2 + r2^2 - 2\, r\, r2 \,\text{Cos}[\theta 2]\right)^{3/2}}\Bigg) \text{Sin}\left[\frac{\lambda 1 - \lambda 2}{2}\right]\Bigg)$$

In[ ]:=
```
VzzxSphericalZonalBand = Vzzx[0, 2 * Pi, θ1, θ2]
```
Out[ ]=
```
0
```

In[ ]:=
```
VzzxSphericalShell = Vzzx[0, 2 * Pi, 0, Pi]
```
Out[ ]=
```
0
```

7. Vzzy

In[ ]:=
$$\text{FullSimplify}\left[\int r3^2\,\text{Sin}[\theta 3] * \left(\frac{15 * (-r + r3\,\text{Cos}[\theta 3])^2 * (-r3\,\text{Sin}[\theta 3]\,\text{Sin}[\lambda - \lambda 3])}{\left(\sqrt{r^2 + r3^2 - 2 * r * r3 * \text{Cos}[\theta 3]}\right)^7} - \frac{3 * (-r3\,\text{Sin}[\theta 3]\,\text{Sin}[\lambda - \lambda 3])}{\left(\sqrt{r^2 + r3^2 - 2 * r * r3 * \text{Cos}[\theta 3]}\right)^5}\right) d\lambda 3\right]$$

Out[ ]=
$$-\frac{3\,r3^3\left(8\,r^2 + 3\,r3^2 - 16\,r\,r3\,\text{Cos}[\theta 3] + 5\,r3^2\,\text{Cos}[2\,\theta 3]\right)\text{Cos}[\lambda - \lambda 3]\,\text{Sin}[\theta 3]^2}{2\left(r^2 + r3^2 - 2\,r\,r3\,\text{Cos}[\theta 3]\right)^{7/2}}$$

In[ ]:=
$$\text{Vzzy}\lambda 3[\lambda 3_] := -\frac{3\,r3^3\left(8\,r^2 + 3\,r3^2 - 16\,r\,r3\,\text{Cos}[\theta 3] + 5\,r3^2\,\text{Cos}[2\,\theta 3]\right)\text{Cos}[\lambda - \lambda 3]\,\text{Sin}[\theta 3]^2}{2\left(r^2 + r3^2 - 2\,r\,r3\,\text{Cos}[\theta 3]\right)^{7/2}}$$

In[ ]:=
$$\text{FullSimplify}[\text{Vzzy}\lambda 3[\lambda 2] - \text{Vzzy}\lambda 3[\lambda 1]]$$

Out[ ]=
$$\frac{3\,r3^3\left(8\,r^2 + 3\,r3^2 - 16\,r\,r3\,\text{Cos}[\theta 3] + 5\,r3^2\,\text{Cos}[2\,\theta 3]\right)\text{Sin}[\theta 3]^2\,\text{Sin}\left[\frac{\lambda 1 - \lambda 2}{2}\right]\text{Sin}\left[\lambda - \frac{\lambda 1}{2} - \frac{\lambda 2}{2}\right]}{\left(r^2 + r3^2 - 2\,r\,r3\,\text{Cos}[\theta 3]\right)^{7/2}}$$

In[ ]:=
$$\text{FullSimplify}\left[\int\left(\left(3\,r3^3\left(8\,r^2 + 3\,r3^2 - 16\,r\,r3\,\text{Cos}[\theta 3] + 5\,r3^2\,\text{Cos}[2\,\theta 3]\right)\text{Sin}[\theta 3]^2\,\text{Sin}\left[\frac{\lambda 1 - \lambda 2}{2}\right]\text{Sin}\left[\lambda - \frac{\lambda 1}{2} - \frac{\lambda 2}{2}\right]\right) \Big/ \left(r^2 + r3^2 - 2\,r\,r3\,\text{Cos}[\theta 3]\right)^{7/2}\right) dr3\right]$$

Out[ ]=
$$\frac{6\,r3^4\,(r - r3\,\text{Cos}[\theta 3])\,\text{Sin}[\theta 3]^2\,\text{Sin}\left[\frac{\lambda 1 - \lambda 2}{2}\right]\text{Sin}\left[\lambda - \frac{\lambda 1}{2} - \frac{\lambda 2}{2}\right]}{r\left(r^2 + r3^2 - 2\,r\,r3\,\text{Cos}[\theta 3]\right)^{5/2}}$$

In[ ]:=
$$\text{Vzzyr3}[r3_] := \frac{6\,r3^4\,(r - r3\,\text{Cos}[\theta 3])\,\text{Sin}[\theta 3]^2\,\text{Sin}\left[\frac{\lambda 1 - \lambda 2}{2}\right]\text{Sin}\left[\lambda - \frac{\lambda 1}{2} - \frac{\lambda 2}{2}\right]}{r\left(r^2 + r3^2 - 2\,r\,r3\,\text{Cos}[\theta 3]\right)^{5/2}}$$

In[ ]:=
$$\text{Simplify}[\text{Vzzyr3}[r2] - \text{Vzzyr3}[r1]]$$

Out[ ]=
$$\frac{6\left(\frac{r1^4\,(-r + r1\,\text{Cos}[\theta 3])}{\left(r^2 + r1^2 - 2\,r\,r1\,\text{Cos}[\theta 3]\right)^{5/2}} + \frac{r2^4\,(r - r2\,\text{Cos}[\theta 3])}{\left(r^2 + r2^2 - 2\,r\,r2\,\text{Cos}[\theta 3]\right)^{5/2}}\right)\text{Sin}[\theta 3]^2\,\text{Sin}\left[\frac{\lambda 1 - \lambda 2}{2}\right]\text{Sin}\left[\lambda - \frac{\lambda 1}{2} - \frac{\lambda 2}{2}\right]}{r}$$

In[ ]:=
```
Simplify[
 ∫(6 (r1^4 (-r+r1 Cos[θ3])/(r^2+r1^2-2 r r1 Cos[θ3])^(5/2) + r2^4 (r-r2 Cos[θ3])/(r^2+r2^2-2 r r2 Cos[θ3])^(5/2)) Sin[θ3]^2 Sin[(λ1-λ2)/2] Sin[λ - λ1/2 - λ2/2])/r
 dθ3]
```

Out[ ]=

$$\frac{1}{r^4}\,2\left(\left(r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta3]}{(r-r1)^2}}\left(\left(r^3-r^2\,r1-2\,r\,r1^2+2\,r1^3\right)\mathrm{EllipticE}\left[\frac{\theta3}{2},-\frac{4\,r\,r1}{(r-r1)^2}\right]-\left(r^3+r^2\,r1+2\,r\,r1^2+2\,r1^3\right)\mathrm{EllipticF}\left[\frac{\theta3}{2},-\frac{4\,r\,r1}{(r-r1)^2}\right]\right)\right)\Big/\left((r+r1)\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta3]}\right)+\left(r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta3]}{(r-r2)^2}}\left(\left(-r^3+r^2\,r2+2\,r\,r2^2-2\,r2^3\right)\mathrm{EllipticE}\left[\frac{\theta3}{2},-\frac{4\,r\,r2}{(r-r2)^2}\right]+\left(r^3+r^2\,r2+2\,r\,r2^2+2\,r2^3\right)\mathrm{EllipticF}\left[\frac{\theta3}{2},-\frac{4\,r\,r2}{(r-r2)^2}\right]\right)\right)\Big/\left((r+r2)\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta3]}\right)+\frac{r\,r1^3\left(r^4-3\,r^2\,r1^2-2\,r1^4-r\,r1\left(r^2-5\,r1^2\right)\mathrm{Cos}[\theta3]\right)\mathrm{Sin}[\theta3]}{\left(r^2-r1^2\right)\left(r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta3]\right)^{3/2}}+\frac{r\,r2^3\left(-r^4+3\,r^2\,r2^2+2\,r2^4+r\,r2\left(r^2-5\,r2^2\right)\mathrm{Cos}[\theta3]\right)\mathrm{Sin}[\theta3]}{\left(r^2-r2^2\right)\left(r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta3]\right)^{3/2}}\right)\mathrm{Sin}\left[\frac{\lambda1-\lambda2}{2}\right]\mathrm{Sin}\left[\lambda-\frac{\lambda1}{2}-\frac{\lambda2}{2}\right]$$

In[ ]:=
```
Vzzyθ3[θ3_] :=
```

$$\frac{1}{r^4}\,2\left(\left(r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta3]}{(r-r1)^2}}\left(\left(r^3-r^2\,r1-2\,r\,r1^2+2\,r1^3\right)\mathrm{EllipticE}\left[\frac{\theta3}{2},-\frac{4\,r\,r1}{(r-r1)^2}\right]-\left(r^3+r^2\,r1+2\,r\,r1^2+2\,r1^3\right)\mathrm{EllipticF}\left[\frac{\theta3}{2},-\frac{4\,r\,r1}{(r-r1)^2}\right]\right)\right)\Big/\left((r+r1)\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta3]}\right)+\left(r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta3]}{(r-r2)^2}}\left(\left(-r^3+r^2\,r2+2\,r\,r2^2-2\,r2^3\right)\mathrm{EllipticE}\left[\frac{\theta3}{2},-\frac{4\,r\,r2}{(r-r2)^2}\right]+\left(r^3+r^2\,r2+2\,r\,r2^2+2\,r2^3\right)\mathrm{EllipticF}\left[\frac{\theta3}{2},-\frac{4\,r\,r2}{(r-r2)^2}\right]\right)\right)\Big/\left((r+r2)\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta3]}\right)+\frac{r\,r1^3\left(r^4-3\,r^2\,r1^2-2\,r1^4-r\,r1\left(r^2-5\,r1^2\right)\mathrm{Cos}[\theta3]\right)\mathrm{Sin}[\theta3]}{\left(r^2-r1^2\right)\left(r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta3]\right)^{3/2}}+\frac{r\,r2^3\left(-r^4+3\,r^2\,r2^2+2\,r2^4+r\,r2\left(r^2-5\,r2^2\right)\mathrm{Cos}[\theta3]\right)\mathrm{Sin}[\theta3]}{\left(r^2-r2^2\right)\left(r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta3]\right)^{3/2}}\right)\mathrm{Sin}\left[\frac{\lambda1-\lambda2}{2}\right]\mathrm{Sin}\left[\lambda-\frac{\lambda1}{2}-\frac{\lambda2}{2}\right]$$

In[ ]:=
```
G * rho * (Vzzyθ3[θ2] - Vzzyθ3[θ1])
```

Out[ ]=

$$G\,\mathrm{rho}\left(-\frac{1}{r^4}\,2\left(\left(r1^2\sqrt{\frac{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}{(r-r1)^2}}\left(\left(r^3-r^2\,r1-2\,r\,r1^2+2\,r1^3\right)\mathrm{EllipticE}\left[\frac{\theta1}{2},-\frac{4\,r\,r1}{(r-r1)^2}\right]-\left(r^3+r^2\,r1+2\,r\,r1^2+2\,r1^3\right)\mathrm{EllipticF}\left[\frac{\theta1}{2},-\frac{4\,r\,r1}{(r-r1)^2}\right]\right)\right)\Big/\left((r+r1)\sqrt{r^2+r1^2-2\,r\,r1\,\mathrm{Cos}[\theta1]}\right)+\left(r2^2\sqrt{\frac{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta1]}{(r-r2)^2}}\left(\left(-r^3+r^2\,r2+2\,r\,r2^2-2\,r2^3\right)\mathrm{EllipticE}\left[\frac{\theta1}{2},-\frac{4\,r\,r2}{(r-r2)^2}\right]+\left(r^3+r^2\,r2+2\,r\,r2^2+2\,r2^3\right)\mathrm{EllipticF}\left[\frac{\theta1}{2},-\frac{4\,r\,r2}{(r-r2)^2}\right]\right)\right)\Big/\left((r+r2)\sqrt{r^2+r2^2-2\,r\,r2\,\mathrm{Cos}[\theta1]}\right)+$$

$$\frac{r\, r1^3 \left(r^4 - 3 r^2 r1^2 - 2 r1^4 - r\, r1 \left(r^2 - 5 r1^2\right) \mathrm{Cos}[\theta 1]\right) \mathrm{Sin}[\theta 1]}{\left(r^2 - r1^2\right) \left(r^2 + r1^2 - 2 r\, r1 \mathrm{Cos}[\theta 1]\right)^{3/2}} +$$

$$\frac{r\, r2^3 \left(-r^4 + 3 r^2 r2^2 + 2 r2^4 + r\, r2 \left(r^2 - 5 r2^2\right) \mathrm{Cos}[\theta 1]\right) \mathrm{Sin}[\theta 1]}{\left(r^2 - r2^2\right) \left(r^2 + r2^2 - 2 r\, r2 \mathrm{Cos}[\theta 1]\right)^{3/2}}\Bigg)$$

$$\mathrm{Sin}\left[\frac{\lambda 1 - \lambda 2}{2}\right] \mathrm{Sin}\left[\lambda - \frac{\lambda 1}{2} - \frac{\lambda 2}{2}\right] +$$

$$\frac{1}{r^4} 2 \left(\left(r1^2 \sqrt{\frac{r^2 + r1^2 - 2 r\, r1 \mathrm{Cos}[\theta 2]}{(r - r1)^2}} \left(\left(r^3 - r^2 r1 - 2 r\, r1^2 + 2 r1^3\right) \mathrm{EllipticE}\left[\frac{\theta 2}{2}, -\frac{4 r\, r1}{(r - r1)^2}\right] - \left(r^3 + r^2 r1 + 2 r\, r1^2 + 2 r1^3\right) \mathrm{EllipticF}\left[\frac{\theta 2}{2}, -\frac{4 r\, r1}{(r - r1)^2}\right]\right)\right) \Big/ \left((r + r1) \sqrt{r^2 + r1^2 - 2 r\, r1 \mathrm{Cos}[\theta 2]}\right) + \left(r2^2 \sqrt{\frac{r^2 + r2^2 - 2 r\, r2 \mathrm{Cos}[\theta 2]}{(r - r2)^2}} \left(\left(-r^3 + r^2 r2 + 2 r\, r2^2 - 2 r2^3\right) \mathrm{EllipticE}\left[\frac{\theta 2}{2}, -\frac{4 r\, r2}{(r - r2)^2}\right] + \left(r^3 + r^2 r2 + 2 r\, r2^2 + 2 r2^3\right) \mathrm{EllipticF}\left[\frac{\theta 2}{2}, -\frac{4 r\, r2}{(r - r2)^2}\right]\right)\right) \Big/ \left((r + r2) \sqrt{r^2 + r2^2 - 2 r\, r2 \mathrm{Cos}[\theta 2]}\right) +$$

$$\frac{r\, r1^3 \left(r^4 - 3 r^2 r1^2 - 2 r1^4 - r\, r1 \left(r^2 - 5 r1^2\right) \mathrm{Cos}[\theta 2]\right) \mathrm{Sin}[\theta 2]}{\left(r^2 - r1^2\right) \left(r^2 + r1^2 - 2 r\, r1 \mathrm{Cos}[\theta 2]\right)^{3/2}} +$$

$$\frac{r\, r2^3 \left(-r^4 + 3 r^2 r2^2 + 2 r2^4 + r\, r2 \left(r^2 - 5 r2^2\right) \mathrm{Cos}[\theta 2]\right) \mathrm{Sin}[\theta 2]}{\left(r^2 - r2^2\right) \left(r^2 + r2^2 - 2 r\, r2 \mathrm{Cos}[\theta 2]\right)^{3/2}}\Bigg)$$

$$\mathrm{Sin}\left[\frac{\lambda 1 - \lambda 2}{2}\right] \mathrm{Sin}\left[\lambda - \frac{\lambda 1}{2} - \frac{\lambda 2}{2}\right]\Bigg)$$

In[ ]:=
```
Vzzy[λ1_, λ2_, θ1_, θ2_] := G rho
```

$$\Bigg(-\frac{1}{r^4} 2 \left(\left(r1^2 \sqrt{\frac{r^2 + r1^2 - 2 r\, r1 \mathrm{Cos}[\theta 1]}{(r - r1)^2}} \left(\left(r^3 - r^2 r1 - 2 r\, r1^2 + 2 r1^3\right) \mathrm{EllipticE}\left[\frac{\theta 1}{2}, -\frac{4 r\, r1}{(r - r1)^2}\right] - \left(r^3 + r^2 r1 + 2 r\, r1^2 + 2 r1^3\right) \mathrm{EllipticF}\left[\frac{\theta 1}{2}, -\frac{4 r\, r1}{(r - r1)^2}\right]\right)\right) \Big/ \left((r + r1) \sqrt{r^2 + r1^2 - 2 r\, r1 \mathrm{Cos}[\theta 1]}\right) + \left(r2^2 \sqrt{\frac{r^2 + r2^2 - 2 r\, r2 \mathrm{Cos}[\theta 1]}{(r - r2)^2}} \left(\left(-r^3 + r^2 r2 + 2 r\, r2^2 - 2 r2^3\right) \mathrm{EllipticE}\left[\frac{\theta 1}{2}, -\frac{4 r\, r2}{(r - r2)^2}\right] +$$

$$\left(r^3 + r^2\, r2 + 2\, r\, r2^2 + 2\, r2^3\right) \text{EllipticF}\left[\frac{\theta 1}{2}, -\frac{4\, r\, r2}{(r - r2)^2}\right]\Bigg)\Bigg) \Big/$$

$$\left((r + r2)\ \sqrt{r^2 + r2^2 - 2\, r\, r2 \,\text{Cos}[\theta 1]}\right) +$$

$$\frac{r\, r1^3 \left(r^4 - 3\, r^2\, r1^2 - 2\, r1^4 - r\, r1 \left(r^2 - 5\, r1^2\right) \text{Cos}[\theta 1]\right) \text{Sin}[\theta 1]}{\left(r^2 - r1^2\right) \left(r^2 + r1^2 - 2\, r\, r1 \,\text{Cos}[\theta 1]\right)^{3/2}} +$$

$$\frac{r\, r2^3 \left(-r^4 + 3\, r^2\, r2^2 + 2\, r2^4 + r\, r2 \left(r^2 - 5\, r2^2\right) \text{Cos}[\theta 1]\right) \text{Sin}[\theta 1]}{\left(r^2 - r2^2\right) \left(r^2 + r2^2 - 2\, r\, r2 \,\text{Cos}[\theta 1]\right)^{3/2}}\Bigg)$$

$$\text{Sin}\left[\frac{\lambda 1 - \lambda 2}{2}\right] \text{Sin}\left[\lambda - \frac{\lambda 1}{2} - \frac{\lambda 2}{2}\right] +$$

$$\frac{1}{r^4}\, 2 \Bigg(\Bigg(r1^2 \sqrt{\frac{r^2 + r1^2 - 2\, r\, r1 \,\text{Cos}[\theta 2]}{(r - r1)^2}}\ \Bigg(\left(r^3 - r^2\, r1 - 2\, r\, r1^2 + 2\, r1^3\right) \text{EllipticE}\Bigg[\frac{\theta 2}{2},$$

$$-\frac{4\, r\, r1}{(r - r1)^2}\Bigg] - \left(r^3 + r^2\, r1 + 2\, r\, r1^2 + 2\, r1^3\right) \text{EllipticF}\left[\frac{\theta 2}{2}, -\frac{4\, r\, r1}{(r - r1)^2}\right]\Bigg)\Bigg) \Big/$$

$$\left((r + r1)\ \sqrt{r^2 + r1^2 - 2\, r\, r1 \,\text{Cos}[\theta 2]}\right) + \Bigg(r2^2 \sqrt{\frac{r^2 + r2^2 - 2\, r\, r2 \,\text{Cos}[\theta 2]}{(r - r2)^2}}$$

$$\Bigg(\left(-r^3 + r^2\, r2 + 2\, r\, r2^2 - 2\, r2^3\right) \text{EllipticE}\left[\frac{\theta 2}{2}, -\frac{4\, r\, r2}{(r - r2)^2}\right] +$$

$$\left(r^3 + r^2\, r2 + 2\, r\, r2^2 + 2\, r2^3\right) \text{EllipticF}\left[\frac{\theta 2}{2}, -\frac{4\, r\, r2}{(r - r2)^2}\right]\Bigg)\Bigg) \Big/$$

$$\left((r + r2)\ \sqrt{r^2 + r2^2 - 2\, r\, r2 \,\text{Cos}[\theta 2]}\right) +$$

$$\frac{r\, r1^3 \left(r^4 - 3\, r^2\, r1^2 - 2\, r1^4 - r\, r1 \left(r^2 - 5\, r1^2\right) \text{Cos}[\theta 2]\right) \text{Sin}[\theta 2]}{\left(r^2 - r1^2\right) \left(r^2 + r1^2 - 2\, r\, r1 \,\text{Cos}[\theta 2]\right)^{3/2}} +$$

$$\frac{r\, r2^3 \left(-r^4 + 3\, r^2\, r2^2 + 2\, r2^4 + r\, r2 \left(r^2 - 5\, r2^2\right) \text{Cos}[\theta 2]\right) \text{Sin}[\theta 2]}{\left(r^2 - r2^2\right) \left(r^2 + r2^2 - 2\, r\, r2 \,\text{Cos}[\theta 2]\right)^{3/2}}\Bigg)$$

$$\text{Sin}\left[\frac{\lambda 1 - \lambda 2}{2}\right] \text{Sin}\left[\lambda - \frac{\lambda 1}{2} - \frac{\lambda 2}{2}\right]\Bigg)$$

In[ ]:=
```
VzzySphericalZonalBand = Vzzy[0, 2 * Pi, θ1, θ2]
```
Out[ ]=
```
0
```

In[ ]:=
```
VzzySphericalShell = Vzzy[0, 2 * Pi, 0, Pi]
```
Out[ ]=
```
0
```