```
In[99]:= {r, th, ph} =
       Simplify[CoordinatesFromCartesian[{Xx, Yy, Zz}, Spherical]]
\text{Out[99]= } \left\{ \sqrt{\text{Xx}^2 + \text{Yy}^2 + \text{Zz}^2} \text{ , } \text{ArcCos} \left[ \frac{\text{Zz}}{\sqrt{\text{Xx}^2 + \text{Yy}^2 + \text{Zz}^2}} \right] \text{ , } \text{ArcTan} \left[ \text{Xx, Yy} \right] \right\}
IN[100]:= (* Setup some functions for Matlab equivalent spherical
       harmonics. Note: matlab is off by sqrt(2) for normalization,
     AND the Ttheta are [0,pi] (should be [-pi/2,pi/2]) *)
      sphFull[l_, m_] := ComplexExpand[
        Re[Sqrt[2] * SphericalHarmonicY[1, m, Ttheta, Pphi]]] (*//Simplify*)
      (*Give the Spherical Harmonic in Cartesian Coordinates.
        NOTE: MATLAB USES "angle(...)" instead of "Arg[...]"*)
      sphFullCart[l_, m_] :=
       ComplexExpand[Re[Sqrt[2] * SphericalHarmonicY[1, m, th, ph]],
         TargetFunctions → {Re, Im}] // FullSimplify
      sphFullCart[l1_, m1_, l2_, m2_] :=
       sphFullCart[l1, m1] + sphFullCart[l2, m2]
      sphFull[11_, m1_, 12_, m2_] := ComplexExpand[
        Re[Sqrt[2] * SphericalHarmonicY[11, m1, Ttheta, Pphi] + Sqrt[2] *
            SphericalHarmonicY[12, m2, Ttheta, Pphi]]] (*//Simplify*)
      sphLapl[l_, m_] := Laplacian[sphFull[l, m], Spherical] /. Rr → 1
      (*//Simplify *)
     sphLapl[11_, m1_, 12_, m2_] :=
       Laplacian[sphFull[11, m1, 12, m2], Spherical] /. Rr → 1
      (*//Simplify*)
      sphLaplCart[l_, m_] := Laplacian[sphFullCart[l, m], Cartesian]
      (*//FullSimplify*)
      sphLaplCart[l1_, m1_, l2_, m2_] :=
       Laplacian[sphFullCart[11, m1, 12, m2], Cartesian](*//FullSimplify*)
      sphGradCart[l_, m_] := Grad[sphFullCart[l, m], Cartesian]
      (*//FullSimplify*)
      sphGradCart[11_, m1_, 12_, m2_] :=
       Grad[sphFullCart[l1, m1, l2, m2], Cartesian](*//FullSimplify*)
In[110]:= Clear[U, G, H, Qx, Px, Mm, Nn, Pp, Ff, Gg, Hh]
\ln[111] = (* Let Qx be the curl matrix which guarantees that Div(Q * Grad(g(x,y,z))) =
      0. where g(x,y,z) is ANY function (i.e., Spherical Harmonics) *)
ln[112]:= Qx := \{\{0, -Zz, Yy\}, \{Zz, 0, -Xx\}, \{-Yy, Xx, 0\}\}
In[113]:= (* Projection Matrix to Constrain To Sphere *)
     Px := \{ \{1 - Xx^2, -Xx * Yy, -Xx * Zz \}, \}
         \{ - Xx * Yy, \ 1 - Yy^2, \ - Yy * Zz \}, \ \{ - Xx * Zz, \ - Yy * Zz, \ 1 - Zz^2 \} \} 
      (* Choose a function g(x,y,z) and pressure *)
     G := 8 * sphFullCart[3, 2] - 3 * sphFullCart[10, 5] + sphFullCart[20, 20]
     Pressure := sphFullCart[6, 4]
```

$$\begin{aligned} &\cos(i+7) = \left\{ \frac{1}{262144} \sqrt{\frac{7}{\pi}} \left[ \frac{524288 \sqrt{15} - yy (xx^2 + yy^2 + 2z^2)^{3/2}}{(xx^2 + yy^2 + zz^2)^{3/2}} + \right. \\ & \left. 15 \sqrt{286} \left[ \frac{1}{(xx^2 + yy^2 + zz^2)^{3/2}} 3072 \, yy \left( xx^2 + yy^2 \right)^{3/2} \sqrt{\frac{1}{x^2 + yy^2 + zz^2}} \right. \\ & \left. \left( 3 \left( xx^2 + yy^2 \right)^2 - 111 \left( xx^2 + yy^2 \right)^2 \, zz^2 + 364 \left( xx^2 + yy^2 \right) \, zz^2 - 168 \, zz^6 \right) \, \cos\left[ 5 \, ArcTan\left[ xx, \, yy \right] \right] - \frac{\sqrt{156} \, 835} \, 045 \, yy \left( xx^2 + yy^3 \right)^3 \, zz \, Cos\left[ 20 \, ArcTan\left[ xx, \, yy \right] \right] + xx \, zz \, \left[ \frac{1}{(xx^2 + yy^2 + zz^2)^{3/2}} \right. \\ & \left. 3072 \left( xx^2 + yy^2 \right)^{3/2} \, zz \, \sqrt{\frac{1}{x^2 + yy^2 + zz^2}} \, \left( 15 \left( xx^2 + yy^2 \right)^2 - 140 \left( xx^2 + yy^2 + zz^2 \right)^{3/2} \right. \\ & \left. 3072 \left( xx^2 + yy^2 \right)^{3/2} \, zz \, \sqrt{\frac{1}{x^2 + yy^2 + zz^2}} \, \left( 15 \left( xx^2 + yy^2 \right)^2 \, sin\left[ 20 \, ArcTan\left[ xx, \, yy \right] \right] \right. \right) \right] \right] \\ & \left. \frac{1}{262144} \sqrt{\frac{7}{\pi}} \left( -\frac{524 \, 288 \, \sqrt{15} \, xx \left( xx^2 - yy^2 - 2 \, 2z^2 \right)}{\left( xx^2 + yy^2 + zz^2 \right)^{3/2}} + 15 \, \sqrt{286} \right. \right. \\ & \left. \left( -\frac{1}{\left( xx^2 + yy^2 + zz^2 \right)^{3/2}} \right)^{3} - 111 \left( xx^2 + yy^2 \right)^2 \, zz^2 + 364 \left( xx^2 + yy^2 \right) \, zz^4 - 168 \, zz^5 \right) \, Cos\left[ 5 \, ArcTan\left[ xx, \, yy \right] + \frac{\sqrt{156} \, 835 \, 045} \, x \left( xx^2 + yy^2 \right)^3 \, zz \, Cos\left[ 20 \, ArcTan\left[ xx, \, yy \right] + yy \, zz \, \left( \frac{1}{\left( x^2 + yy^2 + zz^2 \right)^{3/2}} \right) \, dz^2 + \frac{1}{\left( x^2 + yy^2 + zz^2 \right)^{3/2}} \right. \\ & \left. 3072 \left( xx^2 + yy^2 \right)^{3/2} \, zz \, \sqrt{\frac{1}{x^2 + y^2 + zz^2}} \, \left( 15 \left( xx^2 + yy^2 \right) \, z^4 - 168 \, zz^5 \right) \, Cos\left[ 5 \, ArcTan\left[ xx, \, yy \right] + \frac{\sqrt{156} \, 835 \, 045} {\left( xx^2 + yy^2 + zz^2 \right)^{3/2}} \, dz^2 + \frac{1}{\left( xx^2 + yy^2 + zz^2 \right)^{3/2}} \right. \\ & \left. 3072 \left( xx^2 + yy^2 \right)^{3/2} \, zz \, \sqrt{\frac{1}{x^2 + y^2 + zz^2}} \, \left( 15 \left( xx^2 + yy^2 \right)^2 - 140 \left( xx^2 + yy^2 \right) \, zz^2 + 168 \, zz^4 \right) \right. \\ & \left. \left. \frac{1}{\left( xx^2 + yy^2 + zz^2 \right)^{3/2}} \, zz \, \sqrt{\frac{1}{\left( x^2 + yy^2 + zz^2 \right)^{3/2}}} \, \left( 15 \left( xx^2 + yy^2 \right)^2 \, z^2 + 168 \, zz^4 \right) \right. \right. \\ & \left. \left. \frac{1}{\left( x^2 + y^2 + y^2 + zz^2 \right)^{3/2}} \, \left( 15 \left( xx^2 + yy^2 \right)^2 \, z^2 + 168 \, zz^4 \right) \right. \right. \\ & \left. \frac{1}{\left( x^2 + y^2 + zz^2 \right)^{3/2}} \, \left( 15 \left( xx^2 + yy^2 \right)^2 \, z$$

||n[118]:= (\* Prove that our divergence of this field is zero: \*)
(\*Div[U] // FullSimplify\*)

{Px.Grad[U[[1]], Cartesian], Px.Grad[U[[2]], Cartesian], Px.Grad[U[[3]], Cartesian]}
(\* THIS IS A MANUFACTURED RHS \*)

LaplRHS := Px.{Div[GradRHS[[1]], Cartesian],

Div[GradRHS[[2]], Cartesian], Div[GradRHS[[3]], Cartesian]}

GradP := Px.Grad[Pressure, Cartesian]

In[122]:= RHS = -LaplRHS + GradP // FullSimplify

$$\frac{10\,137\,600\,\sqrt{286}\,\,Xx^7\,Yy^3\,\sqrt{\frac{1}{Xx^2+Yy^2+Zz^2}}}{\left(Xx^2+Yy^2+Zz^2\right)^{11/2}}-\frac{17\,740\,800\,\sqrt{286}\,\,Xx^5\,Yy^5\,\sqrt{\frac{1}{Xx^2+Yy^2+Zz^2}}}{\left(Xx^2+Yy^2+Zz^2\right)^{11/2}}+\frac{12\,740\,800\,\sqrt{286}\,\,Xx^5\,Yy^5\,\sqrt{\frac{1}{Xx^2+Yy^2+Zz^2}}}{\left(Xx^2+Yy^2+Zz^2\right)^{11/2}}$$

$$\frac{6\,336\,000\,\sqrt{286}\,\,Xx\,Yy^9\,\sqrt{\frac{1}{xx^2+Yy^2+Zz^2}}}{\left(Xx^2+Yy^2+Zz^2\right)^{11/2}}\,-\,\frac{15\,206\,400\,\sqrt{286}\,\,Xx^7\,\,Yy\,Zz^2\,\sqrt{\frac{1}{xx^2+Yy^2+Zz^2}}}{\left(Xx^2+Yy^2+Zz^2\right)^{11/2}}$$

$$\frac{390\,297\,600\,\sqrt{286}\,\,Xx^{5}\,Yy^{3}\,\,Zz^{2}\,\sqrt{\frac{1}{Xx^{2}+Yy^{2}+Zz^{2}}}}{\left(Xx^{2}+Yy^{2}+Zz^{2}\right)^{11/2}}\,+\,\frac{177\,408\,000\,\sqrt{286}\,\,Xx^{3}\,\,Yy^{5}\,\,Zz^{2}\,\sqrt{\frac{1}{Xx^{2}+Yy^{2}+Zz^{2}}}}{\left(Xx^{2}+Yy^{2}+Zz^{2}\right)^{11/2}}\,\cdot\,\frac{1}{\left(Xx^{2}+Yy^{2}+Zz^{2}\right)^{11/2}}$$

$$\frac{228\,096\,000\,\sqrt{286}\,\,Xx\,Yy^7\,\,Zz^2\,\sqrt{\frac{1}{Xx^2+Yy^2+Zz^2}}}{\left(Xx^2+Yy^2+Zz^2\right)^{11/2}}\,-\,\frac{141\,926\,400\,\sqrt{286}\,\,Xx^5\,\,Yy\,\,Zz^4\,\sqrt{\frac{1}{Xx^2+Yy^2+Zz^2}}}{\left(Xx^2+Yy^2+Zz^2\right)^{11/2}}\,-\,\frac{141\,926\,400\,\sqrt{286}\,\,Xx^5\,\,Yy\,\,Zz^4\,\sqrt{\frac{1}{Xx^2+Yy^2+Zz^2}}}{\left(Xx^2+Yy^2+Zz^2\right)^{11/2}}$$

$$\frac{946\,176\,000\,\sqrt{286}\,\,Xx^3\,Yy^3\,\,Zz^4\,\sqrt{\frac{1}{Xx^2+Yy^2+Zz^2}}}{\left(Xx^2+Yy^2+Zz^2\right)^{11/2}}\,+\,\frac{709\,632\,000\,\sqrt{286}\,\,Xx\,Yy^5\,\,Zz^4\,\sqrt{\frac{1}{Xx^2+Yy^2+Zz^2}}}{\left(Xx^2+Yy^2+Zz^2\right)^{11/2}}\,+\,\frac{1}{\left(Xx^2+Yy^2+Zz^2\right)^{11/2}}$$

$$\frac{283\,852\,800\,\sqrt{286}\,\,Xx^3\,Yy\,Zz^6\,\sqrt{\frac{1}{Xx^2+Yy^2+Zz^2}}}{\left(Xx^2+Yy^2+Zz^2\right)^{11/2}}-\frac{283\,852\,800\,\sqrt{286}\,\,Xx\,Yy^3\,\,Zz^6\,\sqrt{\frac{1}{Xx^2+Yy^2+Zz^2}}}{\left(Xx^2+Yy^2+Zz^2\right)^{11/2}}+\frac{1}{\left(Xx^2+Yy^2+Zz^2\right)^{11/2}}$$

$$\frac{524\,288\,\sqrt{15}\,\,Xx^2\,Yy}{\left(Xx^2+Yy^2+Zz^2\right)^{6/2}} - \frac{524\,288\,\sqrt{15}\,\,Yy}{\left(Xx^2+Yy^2+Zz^2\right)^{6/2}} + \frac{1048\,576\,\sqrt{15}\,\,Yy\,Zz^2}{\left(Xx^2+Yy^2+Zz^2\right)^{5/2}} + \frac{1}{\left(Xx^2+Yy^2+Zz^2\right)^{5/2}} + \frac{1}{$$

$$\frac{365164\,800\,\sqrt{44\,854\,822\,870}\,\,\,xx^9\,\left(xx^2+yy^2\right)^5\,\,zz}{\left(xx^2+yy^2+zz^2\right)^{11}} + \frac{84\,268\,800\,\sqrt{44\,854\,822\,870}\,\,\,xx^7\,\left(xx^2+yy^2\right)^6\,\,zz}{\left(xx^2+yy^2+zz^2\right)^{11}} - \frac{10\,533\,600\,\sqrt{44\,854\,822\,870}\,\,\,xx^5\,\left(xx^2+yy^2\right)^6\,\,zz}{\left(xx^2+yy^2+zz^2\right)^{11}} - \frac{6\,758\,400\,\sqrt{286}\,\,xx^6\,\sqrt{\frac{1}{xx^2+yy^2+zz^2}}}{\left(xx^2+yy^2+zz^2\right)^{11}} \left(3\,\left(xx^2+yy^2\right)^2-96\,\left(xx^2+yy^2\right)\,zz^2+224\,zz^4\right)}{\left(xx^2+yy^2+zz^2\right)^{11/2}} + \frac{4\,\sqrt{5}\,\,xx^4\,\left(\frac{149\,625\,\sqrt{8}\,970\,964\,574}{\left(xx^2+yy^2+zz^2\right)^{11}}\,\left(xx^2+yy^2+zz^2\right)^{11/2}}{\left(xx^2+yy^2+zz^2\right)^{11}} - \frac{262\,144\,\sqrt{3}}{\left(xx^2+yy^2+zz^2\right)^{5/2}}\right) + \frac{4\,\sqrt{5}\,\,xx^4\,\left(\frac{149\,625\,\sqrt{8}\,970\,964\,574}{\left(xx^2+yy^2+zz^2\right)^{11}}\,\left(xx^2+yy^2+zz^2\right)^{5/2}} - \frac{524\,288\,\sqrt{3}\,\,xx^2}{\left(xx^2+yy^2+zz^2\right)^{5/2}} - \frac{524\,288\,\sqrt{3}\,\,xx^2}{\left(xx^2+yy^2+zz^2\right)^{5/2}} - \frac{524\,288\,\sqrt{3}\,\,xy^2}{\left(xx^2+yy^2+zz^2\right)^{5/2}} + \frac{1\,048\,576\,\sqrt{3}}{\left(xx^2+yy^2+zz^2\right)^{3/2}} + 20\,48\,\sqrt{13}\,\,xx^4} + \frac{32\,yy}{\left(xx^2+yy^2+zz^2\right)^{5/2}} + \frac{32\,yy}{\left(xx^2+yy^2+zz^2\right)^{5/2}} + \frac{1\,23\,75\,\sqrt{22}\,\,\sqrt{\frac{1}{xx^2+yy^2+zz^2}}}{\left(xx^2+yy^2+zz^2\right)^{5/2}} + \frac{228\,yy}{\left(xx^2+yy^2+zz^2\right)^{5/2}} + \frac{1\,23\,75\,\sqrt{22}\,\,\sqrt{\frac{1}{xx^2+yy^2+zz^2}}}{\left(xx^2+yy^2+zz^2\right)^{5/2}} + \frac{228\,yy}{\left(xx^2+yy^2+zz^2\right)^{5/2}} - \frac{104\,yy}{\left(xx^2+yy^2+zz^2\right)^{5/2}} + \frac{104\,yy}{\left(xx^2+yy^2+zz^2\right)^{3/2}} + \frac{104\,yy}{\left(xx^2+$$

$$8 \ Zz^2 \left( \frac{46 \ Yy}{\left( Xx^2 + Yy^2 + Zz^2 \right)^3} - \frac{20 \ 625 \ \sqrt{22} \ \sqrt{\frac{1}{Xx^2 + Yy^2 + Zz^2}}}{\left( Xx^2 + Yy^2 + Zz^2 \right)^{5/2}} \right) \right) + \frac{1}{\left( Xx^2 + Yy^2 + Zz^2 \right)^{5/2}} = \frac{1}{\left( Xx^2 + Yy^2 + Zz^2 \right)$$

$$512\,\sqrt{13}\,\,Xx^{2}\left[\frac{799\,425\,\sqrt{22}\,\,Zz^{8}\,\sqrt{\frac{1}{Xx^{2}+Yy^{2}+Zz^{2}}}}{\left(Xx^{2}+Yy^{2}+Zz^{2}\right)^{11/2}}-\frac{168\,300\,\sqrt{22}\,\,Zz^{6}\,\sqrt{\frac{1}{Xx^{2}+Yy^{2}+Zz^{2}}}}{\left(Xx^{2}+Yy^{2}+Zz^{2}\right)^{9/2}}-\frac{64\,Yy}{\left(Xx^{2}+Yy^{2}+Zz^{2}\right)^{2}}-\frac{64\,Yy}{\left(Xx^{2}+Yy^{2}+Zz^{2}\right)^{2}}-\frac{168\,Zz^{2}}{\left(Xx^{2}+Zz^{2}\right)^{2}}-\frac{168\,Zz^{2}}{\left(Xx^{2}+Zz^{2}\right)^{2}}-\frac{168\,Zz^{2}}{\left(Xz^{2}+Zz^{2}\right)^{$$

$$\frac{12\,375\,\sqrt{22}\,\,\sqrt{\frac{1}{xx^2+Yy^2+Zz^2}}}{\left(Xx^2+Yy^2+Zz^2\right)^{3/2}}+66\,Zz^4\left(-\frac{32\,Yy}{\left(Xx^2+Yy^2+Zz^2\right)^4}-\frac{14\,625\,\sqrt{22}\,\,\sqrt{\frac{1}{xx^2+Yy^2+Zz^2}}}{\left(Xx^2+Yy^2+Zz^2\right)^{7/2}}\right)+$$

$$Zz^{2}\left(\frac{1536\,Yy}{\left(Xx^{2}+Yy^{2}+Zz^{2}\right)^{3}}+\frac{346\,500\,\sqrt{22}\,\sqrt{\frac{1}{Xx^{2}+Yy^{2}+Zz^{2}}}}{\left(Xx^{2}+Yy^{2}+Zz^{2}\right)^{5/2}}\right)\right),\,\,\frac{1}{65\,536\,\sqrt{Xx^{2}+Yy^{2}}\,\left(Xx^{2}+Yy^{2}+Zz^{2}\right)^{11}}$$

$$3\,\sqrt{\frac{7}{\pi}}\,\left[4096\,\sqrt{13}\,\left(Xx^2+Yy^2\right)^{5/2}\,Zz\,\left(13\,\left(Xx^2+Yy^2\right)\,-\,20\,Zz^2\right)\,\left(Xx^2+Yy^2+Zz^2\right)^7\,\text{Cos}\left[\,4\,\text{ArcTan}\left[\,Xx\,,\,\,Yy\,\right]\,\right]\,-\,20\,Zz^2\right]\,\left(\,Xx^2+Yy^2+Zz^2\right)^7\,$$

$$422\,400\,\sqrt{286}\,\left(Xx^2+Yy^2\right)^3\,Zz\,\sqrt{\frac{1}{Xx^2+Yy^2+Zz^2}}\,\left(Xx^2+Yy^2+Zz^2\right)^{11/2}$$

$$\left(15 \left( Xx^2 + Yy^2 \right)^2 - 140 \left( Xx^2 + Yy^2 \right) Zz^2 + 168 Zz^4 \right) Sin[5 ArcTan[Xx, Yy]] - \sqrt{5} \sqrt{Xx^2 + Yy^2} \left( 2097152 \sqrt{3} Xx Yy Zz \left( Xx^2 + Yy^2 + Zz^2 \right)^{17/2} + 168 Zz^4 \right)$$

525 
$$\sqrt{8970964574} \left( Xx^2 + Yy^2 \right)^{10} Sin[20 ArcTan[Xx, Yy]] \right)$$

# In[123]:= (\* TRANSLATE SOLUTION TO MATLAB \*)

### FortranForm[U[[1]]]

```
In[124]:=
                                                  FortranForm[U[[2]]]
Out[124]//FortranForm=
                                                                                                                   (Sqrt(7/Pi)*((-524288*Sqrt(15)*Xx*(Xx**2 - Yy**2 - 2*Zz**2))/(Xx**2 + Yy**2 + Zz**2)*
                                                                                                                                                  15*Sqrt(286)*((-3072*Xx*(Xx**2 + Yy**2)**1.5*Sqrt(1/(Xx**2 + Yy**2 + Zz**2))*
                                                                                                                                                                                                     (3*(Xx**2 + Yy**2)**3 - 111*(Xx**2 + Yy**2)**2*Zz**2 + 364*(Xx**2 + Yy**2)*2*Zz**2 + 364*(Xx**2 + Yy**2)*2*Zz**2 + 364*(Xx
                                                                                                                                                                             (Sqrt(156835045)*Xx*(Xx**2 + Yy**2)**9*Zz*Cos(20*ArcTan(Xx,Yy)))/(Xx**2 + Yy**
                                                                                                                                                                            Yy*Zz*((3072*(Xx**2 + Yy**2)**1.5*Zz*Sqrt(1/(Xx**2 + Yy**2 + Zz**2))*(15*(Xx**
                                                                                                                                                                                                             (Xx**2 + Yy**2 + Zz**2)**4.5 + (Sqrt(156835045)*(Xx**2 + Yy**2)**9*Sin(20*
In[125]:=
                                                  FortranForm[U[[3]]]
Out[125]//FortranForm=
                                                                                                                   -(Sqrt(7/Pi)*((46080*Sqrt(286)*(Xx**2 + Yy**2)**2.5*Zz*(15*(Xx**2 + Yy**2)**2 - 140*(
                                                                                                                                                                    (1/(Xx**2 + Yy**2 + Zz**2))**5.5 + Sqrt(5)*(2097152*Sqrt(3)*Xx*Yy*Zz*(Xx**2 + Y)**2.5 + Y**2.5 + Y**
                                                                                                                                                                                  15*Sqrt(8970964574)*(Xx**2 + Yy**2)**10*Sqrt(Xx**2 + Yy**2 + Zz**2)*Sin(20*Ar
In[126]:= FortranForm[Pressure]
Out[126]//FortranForm=
                                                 (-3*Sqrt(91/Pi)*(Xx**2 + Yy**2)**2*(Xx**2 + Yy**2 - 10*Zz**2)*Cos(4*ArcTan(Xx,Yy)))/(32.*(Xx*
In[127]:= CForm[U[[1]]]
Out[127]//CForm=
                                                 (Sqrt(7/Pi)*((524288*Sqrt(15)*Yy*(Power(Xx,2) - Power(Yy,2) + 2*Power(Zz,2)))/Power(Power(Xx,2)))
                                                                                                         15*Sqrt(286)*((3072*Yy*Power(Power(Xx,2) + Power(Yy,2),1.5)*Sqrt(1/(Power(Xx,2) + Power(Yy,2),1.5))*Sqrt(1/(Power(Xx,2) + Po
                                                                                                                                                            (3*Power(Power(Xx,2) + Power(Yy,2),3) - 111*Power(Power(Xx,2) + Power(Yy,2),2)*Power(Yy,2),2)*Power(Yy,2),2)*Power(Yy,2),3)
                                                                                                                                                           \texttt{Cos}(\texttt{5*ArcTan}(\texttt{Xx},\texttt{Yy})))/\texttt{Power}(\texttt{Power}(\texttt{Xx},\texttt{2}) + \texttt{Power}(\texttt{Yy},\texttt{2}) + \texttt{Power}(\texttt{Zz},\texttt{2}),\texttt{4.5}) - \texttt{Power}(\texttt{Yy},\texttt{2}) + \texttt{Power}(\texttt{Zz},\texttt{2}),\texttt{4.5}) - \texttt{Power}(\texttt{Yy},\texttt{2}) + \texttt{Power}(\texttt{Zz},\texttt{2}),\texttt{4.5}) - \texttt{Power}(\texttt{Zz},\texttt{2}) - \texttt{Power}(\texttt{Zz},\texttt{2}),\texttt{4.5}) - \texttt{Power}(\texttt{Zz},\texttt{2})
                                                                                                                                    (Sqrt(156835045)*Yy*Power(Power(Xx,2) + Power(Yy,2),9)*Zz*Cos(20*ArcTan(Xx,Yy)))/Po
                                                                                                                                 (15*Power(Power(Xx,2) + Power(Yy,2),2) - 140*(Power(Xx,2) + Power(Yy,2))*Power(Yy,2))
                                                                                                                                                                    Power(Power(Xx,2) + Power(Yy,2) + Power(Zz,2),4.5) + (Sqrt(156835045)*Power(Power(Power(Xx,2)) + Power(Yy,2)) + (Sqrt(156835045)*Power(Power(Yx,2)) + (Sqrt(156835045))*Power(Power(Yx,2)) + (Sqrt(156835045))*Power(Yx,2) + (Sqrt(156835045
                                                                                                                                                                  Power(Power(Xx,2) + Power(Yy,2) + Power(Zz,2),10)))))/262144.
In[128]:= CForm[U[[2]]]
Out[128]//CForm=
                                                 (Sqrt(7/Pi)*((-524288*Sqrt(15)*Xx*(Power(Xx,2) - Power(Yy,2) - 2*Power(Zz,2)))/Power(Power(Xx
                                                                                                         15*Sqrt(286)*((-3072*Xx*Power(Power(Xx,2) + Power(Yy,2),1.5)*Sqrt(1/(Power(Xx,2) + Power(Yy,2),1.5)*Sqrt(1/(Power(Xx,2) + Power(Yy,2),1.5))*Sqrt(1/(Power(Xx,2) + Po
                                                                                                                                                            (3*Power(Power(Xx,2) + Power(Yy,2),3) - 111*Power(Power(Xx,2) + Power(Yy,2),2)*Power(Yy,2),2)*Power(Yy,2),3)
                                                                                                                                                           Cos(5*ArcTan(Xx,Yy)))/Power(Power(Xx,2) + Power(Yy,2) + Power(Zz,2),4.5)
                                                                                                                                   (Sqrt(156835045)*Xx*Power(Power(Xx,2) + Power(Yy,2),9)*Zz*Cos(20*ArcTan(Xx,Yy)))/Po
                                                                                                                                    Yy*Zz*((3072*Power(Power(Xx,2) + Power(Yy,2),1.5)*Zz*Sqrt(1/(Power(Xx,2) + Power(Yy,2))*Zqrt(1/(Power(Xx,2) + Power(Yy,2))*Zqrt(1/(Power(Xx,2) + Power(Yy,2))*Zqrt(1/(Power(Xx,2) + Power(Yy,2))*Zqrt(1/(Power(Xx,2) + Power(Yy,2))*Zqrt(1/(P
                                                                                                                                                                                     (15*Power(Power(Xx,2) + Power(Yy,2),2) - 140*(Power(Xx,2) + Power(Yy,2))*Power(Yy,2))
                                                                                                                                                                    Power(Power(Xx,2) + Power(Yy,2) + Power(Zz,2),4.5) + (Sqrt(156835045)*Power(Pow
                                                                                                                                                                  Power(Power(Xx,2) + Power(Yy,2) + Power(Zz,2),10)))))/262144.
In[129]:= CForm[U[[3]]]
Out[129]//CForm=
                                                 -(Sqrt(7/Pi)*((46080*Sqrt(286)*Power(Power(Xx,2) + Power(Yy,2),2.5)*Zz*
                                                                                                                                           (15*Power(Power(Xx,2) + Power(Yy,2),2) - 140*(Power(Xx,2) + Power(Yy,2))*Power(Zz,2) + Power(Yy,2) + 
                                                                                                                          Power(1/(Power(Xx,2) + Power(Yy,2) + Power(Zz,2)),5.5) + Sqrt(5)*
                                                                                                                           (2097152*Sqrt(3)*Xx*Yy*Zz*Power(Power(Xx,2) + Power(Yy,2) + Power(Zz,2),9) +
                                                                                                                                          15* \operatorname{Sqrt}(\overline{8970964574}) * \operatorname{Power}(\operatorname{Power}(\operatorname{Xx},2) + \operatorname{Power}(\operatorname{Yy},2),10) * \operatorname{Sqrt}(\operatorname{Power}(\operatorname{Xx},2) + \operatorname{Power}(\operatorname{Yy},2),10) * \operatorname{Power}(\operatorname{Yy},2) * \operatorname{Powe
                                                                         (262144.*Power(Power(Xx,2) + Power(Yy,2) + Power(Zz,2),10.5))
In[130]:= CForm[Pressure]
Out[130]//CForm=
                                                 (-3*Sqrt(91/Pi)*Power(Power(Xx,2) + Power(Yy,2),2)*(Power(Xx,2) + Power(Yy,2) - 10*Power(Zz,2))
```

# | In[131]:= (\* RHS IN MATLAB \*)

### FortranForm[RHS[[1]]]

```
Out[131]//FortranForm=
                               (3*Sqrt(7/Pi)*((1267200*Sqrt(286)*Xx**9*Yy*Sqrt(1/(Xx**2 + Yy**2 + Zz**2)))/(Xx**2 +
                                         (10137600*Sqrt(286)*Xx**7*Yy**3*Sqrt(1/(Xx**2 + Yy**2 + Zz**2)))/(Xx**2 + Yy**2 +
                                         (17740800*Sqrt(286)*Xx**5*Yy**5*Sqrt(1/(Xx**2 + Yy**2 + Zz**2)))/(Xx**2 + Yy**2 +
                                         (6336000*Sqrt(286)*Xx*Yy**9*Sqrt(1/(Xx**2 + Yy**2 + Zz**2)))/(Xx**2 + Yy**2 + Zz*
                                         (15206400*Sqrt(286)*Xx**7*Yy*Zz**2*Sqrt(1/(Xx**2 + Yy**2 + Zz**2)))/(Xx**2 + Yy** (390297600*Sqrt(286)*Xx**5*Yy**3*Zz**2*Sqrt(1/(Xx**2 + Yy**2 + Zz**2)))/(Xx**2 +
                                         (177408000*Sqrt(286)*Xx**3*Yy**5*Zz**2*Sqrt(1/(Xx**2 + Yy**2 + Zz**2)))/(Xx**2 +
                                         (228096000*Sqrt(286)*Xx*Yy**7*Zz**2*Sqrt(1/(Xx**2 + Yy**2 + Zz**2)))/(Xx**2 + Yy*
                                         (141926400*Sqrt(286)*Xx**5*Yy*Zz**4*Sqrt(1/(Xx**2 + Yy**2 + Zz**2)))/(Xx**2 + Yy*
                                         (946176000*Sqrt(286)*Xx**3*Yy**3*Zz**4*Sqrt(1/(Xx**2 + Yy**2 + Zz**2)))/(Xx**2 +
                                         (709632000*Sqrt(286)*Xx*Yy**5*Zz**4*Sqrt(1/(Xx**2 + Yy**2 + Zz**2)))/(Xx**2 + Yy**2 + Zz**2))
                                         (283852800*Sqrt(286)*Xx**3*Yy*Zz**6*Sqrt(1/(Xx**2 + Yy**2 + Zz**2)))/(Xx**2 + Yy*
                                         (283852800*Sqrt(286)*Xx*Yy**3*Zz**6*Sqrt(1/(Xx**2 + Yy**2 + Zz**2)))/(Xx**2 + Yy*
                                         (524288*Sqrt(15)*Yy**3)/(Xx**2 + Yy**2 + Zz**2)**2.5 + (1048576*Sqrt(15)*Yy*Zz**2
                                         (Sqrt(13)*(9975*Sqrt(3450370990)*Xx**18*Yy*Zz - 508725*Sqrt(3450370990)*Xx**16*Yy
                                                    26453700*Sqrt(3450370990)*Xx**12*Yy**7*Zz + 48498450*Sqrt(3450370990)*Xx**10
                                                    14244300*Sqrt(3450370990)*Xx**6*Yy**13*Zz - 2034900*Sqrt(3450370990)*Xx**4*Y
                                                    525*Sqrt(3450370990)*Yy**19*Zz - 4096*Xx**19*(8*Yy**2 + 13*Zz**2) + 4096*Xx*
                                                    4096*Xx**17*(56*Yy**4 - 3*Yy**2*Zz**2 + 71*Zz**4) - 28672*Xx**11*(Yy**2 + Zz
                                                    28672*Xx**13*(Yy**2 + Zz**2)*(32*Yy**6 - 220*Yy**4*Zz**2 - 280*Yy**2*Zz**4 + 4096*Xx**3*(Yy**2 + Zz**2)**6*(56*Yy**6 - 445*Yy**4*Zz**2 - 250*Yy**2*Zz**4
                                                    28672*Xx**7*(\hat{Y}y**2 + Zz**2)**4*(32*\hat{Y}y**6 - 4*Yy**4*Zz**2 + 176*Yy**2*Zz**4 + 176*Yy**2*Zz**2 +
                                                    28672*Xx**9*(Y\bar{y}**2 + Zz**2)**3*(16*Y\bar{y}**6 + 238*Yy**4*Zz**2 + 448*Yy**2*Zz**4
                                                    4096*Xx**5*(Yy**2 + Zz**2)**5*(160*Yy**6 - 764*Yy**4*Zz**2 - 104*Yy**2*Zz**4
4096*Xx**15*(160*Yy**6 - 356*Yy**4*Zz**2 - 416*Yy**2*Zz**4 + 133*Zz**6)))/(X
```

In[132]:=

# FortranForm[RHS[[2]]]

Out[132]//FortranForm=

```
(3*Sqrt(7/Pi)*((137625600*Sqrt(44854822870)*Xx**19*Zz)/(Xx**2 + Yy**2 + Zz**2)**11
       (653721600*Sqrt(44854822870)*Xx**17*(Xx**2 + Yy**2)*Zz)/(Xx**2 + Yy**2 + Zz**2)**
        (1307443200*Sqrt(44854822870)*Xx**15*(Xx**2 + Yy**2)**2*Zz)/(Xx**2 + Yy**2 + Zz**
        (1430016000*Sqrt(44854822870)*Xx**13*(Xx**2 + Yy**2)**3*Zz)/(Xx**2 + Yy**2 + Zz**
        (929510400*Sqrt(44854822870)*Xx**11*(Xx**2 + Yy**2)**4*Zz)/(Xx**2 + Yy**2 + Zz**2
        (365164800*Sqrt(44854822870)*Xx**9*(Xx**2 + Yy**2)**5*Zz)/(Xx**2 + Yy**2 + Zz**2)
        (84268800*Sqrt(44854822870)*Xx**7*(Xx**2 + Yy**2)**6*Zz)/(Xx**2 + Yy**2 + Zz**2)*
        (10533600*Sqrt(44854822870)*Xx**5*(Xx**2 + Yy**2)**7*Zz)/(Xx**2 + Yy**2 + Zz**2)*
        (6758400*Sqrt(286)*Xx**6*Sqrt(1/(Xx**2 + Yy**2 + Zz**2))*(3*(Xx**2 + Yy**2)**2 -
       4*Sqrt(5)*Xx**3*((149625*Sqrt(8970964574)*(Xx**2 + Yy**2)**8*Zz)/(Xx**2 + Yy**2 +
       Sqrt(5)*Xx*((-9975*Sqrt(8970964574)*(Xx**2 + Yy**2)**9*Zz)/(Xx**2 + Yy**2 + Zz**2
             (524288*Sqrt(3)*Yy**2)/(Xx**2 + Yy**2 + Zz**2)**2.5 + (1048576*Sqrt(3))/(Xx**2)
       2048*Sqrt(13)*Xx**4*((-799425*Sqrt(22)*Zz**6*Sqrt(1/(Xx**2 + Yy**2 + Zz**2)))/(Xx
             (1472625*Sqrt(22)*Zz**4*Sqrt(1/(Xx**2 + Yy**2 + Zz**2)))/(Xx**2 + Yy**2 + Zz**
             (12375*Sqrt(22)*Sqrt(1/(Xx**2 + Yy**2 + Zz**2)))/(Xx**2 + Yy**2 + Zz**2)**2.5
             Zz**2*((-528*Yy)/(Xx**2 + Yy**2 + Zz**2)**4 - (408375*Sqrt(22)*Sqrt(1/(Xx**2 + Yy**2 + Zz**2)**4 - (408375*Sqrt(22)*Sqrt(1/(Xx**2 + Yy**2 + Zz**2)**4 - (408375*Sqrt(22)*Sqrt(1/(Xx**2 + Yy**2 + Zz**2)**4 - (408375*Sqrt(22)*Sqrt(22)*Sqrt(1/(Xx**2 + Yy**2 + Zz**2)**4 - (408375*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sq
       512*Sqrt(13)*Zz**2*((266475*Sqrt(22)*Zz**8*Sqrt(1/(Xx**2 + Yy**2 + Zz**2)))/(Xx**
             (673200*Sqrt(22)*Zz**6*Sqrt(1/(Xx**2 + Yy**2 + Zz**2)))/(Xx**2 + Yy**2 + Zz**2
             (12375*Sqrt(22)*Sqrt(1/(Xx**2 + Yy**2 + Zz**2)))/(Xx**2 + Yy**2 + Zz**2)**1.5
             66*Zz**4*((-4*Yy)/(Xx**2 + Yy**2 + Zz**2)**4 + (8475*Sqrt(22)*Sqrt(1/(Xx**2 +
             8*Zz**2*((46*Yy)/(Xx**2 + Yy**2 + Zz**2)**3 - (20625*Sqrt(22)*Sqrt(1/(Xx**2 +
       512*Sqrt(13)*Xx**2*((799425*Sqrt(22)*Zz**8*Sqrt(1/(Xx**2 + Yy**2 + Zz**2)))/(Xx**
             (168300*Sqrt(22)*Zz**6*Sqrt(1/(Xx**2 + Yy**2 + Zz**2)))/(Xx**2 + Yy**2 + Zz**2
             (12375*Sqrt(22)*Sqrt(1/(Xx**2 + Yy**2 + Zz**2)))/(Xx**2 + Yy**2 + Zz**2)**1.5
             66*Zz**4*((-32*Yy)/(Xx**2 + Yy**2 + Zz**2)**4 - (14625*Sqrt(22)*Sqrt(1/(Xx**2
             Zz**2*((1536*Yy)/(Xx**2 + Yy**2 + Zz**2)**3 + (346500*Sqrt(22)*Sqrt(1/(Xx**2 +
```

In[133]:=

## FortranForm[RHS[[3]]]

```
Out[133]//FortranForm=
```

```
(3*Sqrt(7/Pi)*(4096*Sqrt(13)*(Xx**2 + Yy**2)**2.5*Zz*(13*(Xx**2 + Yy**2) - 20*Zz**2)**
     422400*Sqrt(286)*(Xx**2 + Yy**2)**3*Zz*Sqrt(1/(Xx**2 + Yy**2 + Zz**2))*(Xx**2 + Y (15*(Xx**2 + Yy**2)**2 - 140*(Xx**2 + Yy**2)*Zz**2 + 168*Zz**4)*Sin(5*ArcTan(Xx,
     Sqrt(5)*Sqrt(Xx**2 + Yy**2)*(2097152*Sqrt(3)*Xx*Yy*Zz*(Xx**2 + Yy**2 + Zz**2)**8.
(65536.*Sqrt(Xx**2 + Yy**2)*(Xx**2 + Yy**2 + Zz**2)**11)
```

In[134]:=

### CForm[RHS[[1]]]

```
Out[134]//CForm=
                            (3*Sqrt(7/Pi)*((1267200*Sqrt(286)*Power(Xx,9)*Yy*Sqrt(1/(Power(Xx,2) + Power(Yy,2) + Power(Zz
                                                                (10137600*Sqrt(286)*Power(Xx,7)*Power(Yy,3)*Sqrt(1/(Power(Xx,2) + Power(Yy,2) + Power(Yy,2))
                                                               (17740800*Sqrt(286)*Power(Xx,5)*Power(Yy,5)*Sqrt(1/(Power(Xx,2) + Power(Yy,2) + Power(Yy,2))*Sqrt(1/(Power(Xx,2) + Power(Yy,2) + Power(Yy,2))*Sqrt(1/(Power(Xx,2) + Power(Xx,2))*Sqrt(1/(Power(Xx,2) + Power(Xx,2) + Power(Xx,2) + Power(Xx,2) + Power(Xx,2) + Power(Xx,2) + Power(Xx,2) *Sqrt(1/(Power(Xx,2) + Power(Xx,2) + Power(Xx,2) + Power(Xx,2) + Power(Xx,2) + Power(Xx,2) + Power(Xx,2) *Sqrt(1/(Power(Xx,2) + Power(Xx,2) + Power(Xx,2) + Power(Xx,2) + Power(Xx,2) + Powe
                                                               (6336000*Sqrt(286)*Xx*Power(Yy,9)*Sqrt(1/(Power(Xx,2) + Power(Yy,2) + Power(Zz,2)))))/P
                                                               (15206400* Sqrt(286)* Power(Xx,7)* Yy* Power(Zz,2)* Sqrt(1/(Power(Xx,2) + Power(Yy,2) + Power(Yy,2
                                                               (390297600*Sqrt(286)*Power(Xx,5)*Power(Yy,3)*Power(Zz,2)*Sqrt(1/(Power(Xx,2) + Power(Y
                                                               (177408000*Sqrt(286)*Power(Xx,3)*Power(Yy,5)*Power(Zz,2)*Sqrt(1/(Power(Xx,2) + Power(Yy,5)*Power(Zz,2)*Sqrt(1/(Power(Xx,2) + Power(Yy,5)*Power(Yy,5)*Power(Yy,5)*Sqrt(1/(Power(Xx,2) + Power(Yy,5))*Power(Yy,5)*Sqrt(1/(Power(Xx,2) + Power(Yy,5))*Power(Yy,5)*Sqrt(1/(Power(Xx,2) + Power(Yy,5))*Sqrt(1/(Power(Xx,2) + Power(Yy,5))*Sqrt
                                                               (228096000*Sqrt(286)*Xx*Power(Yy,7)*Power(Zz,2)*Sqrt(1/(Power(Xx,2) + Power(Yy,2) + Po (141926400*Sqrt(286)*Power(Xx,5)*Yy*Power(Zz,4)*Sqrt(1/(Power(Xx,2) + Power(Yy,2) + Po
                                                                (946176000*Sqrt(286)*Power(Xx,3)*Power(Yy,3)*Power(Zz,4)*Sqrt(1/(Power(Xx,2) + Power(Y
                                                                (709632000*Sqrt(286)*Xx*Power(Yy,5)*Power(Zz,4)*Sqrt(1/(Power(Xx,2) + Power(Yy,2) + Power(Yy,2))
                                                                (283852800*Sqrt(286)*Power(Xx,3)*Yy*Power(Zz,6)*Sqrt(1/(Power(Xx,2) + Power(Yy,2) + Po
                                                                (283852800*Sqrt(286)*Xx*Power(Yy,3)*Power(Zz,6)*Sqrt(1/(Power(Xx,2) + Power(Yy,2) + Po
                                                                (524288*Sqrt(15)*Power(Xx,2)*Yy)/Power(Power(Xx,2) + Power(Yy,2) + Power(Zz,2),2.5) - (224288*Sqrt(15)*Power(Xx,2)*Yy)/Power(Power(Xx,2) + Power(Yy,2) + P
                                                                (524288*Sqrt(15)*Power(Yy,3))/Power(Power(Xx,2) + Power(Yy,2) + Power(Zz,2),2.5) + Power(Zz,2),2.5)
                                                               (1048576*Sqrt(15)*Yy*Power(Zz,2))/Power(Power(Xx,2) + Power(Yy,2) + Power(Zz,2),2.5) +
                                                               (Sqrt(13)*(9975*Sqrt(3450370990)*Power(Xx,18)*Yy*Zz - 508725*Sqrt(3450370990)*Power(Xx
                                                                                        26453700*Sqrt(3450370990)*Power(Xx,12)*Power(Yy,7)*Zz + 48498450*Sqrt(3450370990)
                                                                                         39680550*Sqrt(3450370990)*Power(Xx,8)*Power(Yy,11)*Zz + 14244300*Sqrt(3450370990)
                                                                                         2034900*Sqrt(3450370990)*Power(Xx,4)*Power(Yy,15)*Zz + 89775*Sqrt(3450370990)*Pow
                                                                                        4096*Power(Xx,19)*(8*Power(Yy,2) + 13*Power(Zz,2)) + 4096*Xx*Power(Yy,2)*Power(Po
                                                                                            (8*Power(Yy,4) - 85*Power(Yy,2)*Power(Zz,2) - 60*Power(Zz,4)) - 4096*Power(Xx,17)
                                                                                         28672*Power(Xx,11)*Power(Power(Yy,2) + Power(Zz,2),2)*(16*Power(Yy,6) - 350*Power
                                                                                        28672*Power(Xx,13)*(Power(Yy,2) + Power(Zz,2))*(32*Power(Yy,6) - 220*Power(Yy,4)*
                                                                                         4096*Power(Xx,3)*Power(Power(Yy,2) + Power(Zz,2),6)*(56*Power(Yy,6) - 445*Power(Y
```

Power(Power(Xx,2) + Power(Yy,2) + Power(Zz,2),11)))/65536.

28672\*Power(Xx,7)\*Power(Power(Yy,2) + Power(Zz,2),4)\*(32\*Power(Yy,6) - 4\*Power(Yy,2) + Power(Zz,2),3)\*(16\*Power(Yy,6) + 238\*Power(4096\*Power(Xx,5)\*Power(Power(Yy,2) + Power(Zz,2),3)\*(160\*Power(Yy,6) - 764\*Power(4096\*Power(Xx,15)\*(160\*Power(Yy,6) - 356\*Power(Yy,4)\*Power(Zz,2) - 416\*Power(Yy,2) + 236\*Power(Yy,4)\*Power(Yy,2) + 236\*Power(Yy,4)\*Power(Yy,4)\*Power(Yy,4)\*Power(Yy,4)\*Power(Yy,2) + 236\*Power(Yy,4)\*Powe

# In[135]:= **CForm[RHS[[2]]]**

```
Out[135]//CForm=
                                   (3*Sqrt(7/Pi)*((137625600*Sqrt(44854822870)*Power(Xx,19)*Zz)/Power(Power(Xx,2) + Power(Yy,2))
                                                                             (653721600*Sqrt(44854822870)*Power(Xx,17)*(Power(Xx,2) + Power(Yy,2))*Zz)/Power(Power(
                                                                             (1307443200*Sqrt(44854822870)*Power(Xx,15)*Power(Power(Xx,2) + Power(Yy,2),2)*Zz)/Powe
                                                                             (1430016000*Sqrt(44854822870)*Power(Xx,13)*Power(Power(Xx,2) + Power(Yy,2),3)*Zz)/Power(Yx,2)
                                                                             (929510400*Sqrt(44854822870)*Power(Xx,11)*Power(Power(Xx,2) + Power(Yy,2),4)*Zz)/Power
                                                                             (365164800*Sqrt(44854822870)*Power(Xx,9)*Power(Power(Xx,2) + Power(Yy,2),5)*Zz)/Power(
                                                                             (6758400*Sqrt(286)*Power(Xx,6)*Sqrt(1/(Power(Xx,2) + Power(Yy,2) + Power(Zz,2)))*
                                                                                              (3*Power(Power(Xx,2) + Power(Yy,2),2) - 96*(Power(Xx,2) + Power(Yy,2))*Power(Zz,2)
                                                                            4*Sqrt(5)*Power(Xx,3)*((149625*Sqrt(8970964574)*Power(Power(Xx,2) + Power(Yy,2),8)*Zz)
                                                                                             (262144*Sqrt(3))/Power(Power(Xx,2) + Power(Yy,2) + Power(Zz,2),2.5)) +
                                                                           Sart(5)*Xx*((-9975*Sqrt(8970964574)*Power(Power(Xx,2) + Power(Yy,2),9)*Zz)/Power(Power(Power(Xx,2) + Power(Yy,2),9)*Zz)/Power(Power(Yy,2),9)*Zz)/Power(Power(Yy,2),9)*Zz)/Power(Power(Yy,2),9)*Zz)/Power(Power(Yy,2),9)*Zz)/Power(Power(Yy,2),9)*Zz)/Power(Power(Yy,2),9)*Zz)/Power(Power(Yy,2),9)*Zz)/Power(Power(Yy,2),9)*Zz)/Power(Power(Yy,2),9)*Zz)/Power(Power(Yy,2),9)*Zz)/Power(Power(Yy,2),9)*Zz)/Power(Power(Yy,2),9)*Zz)/Power(Power(Yy,2),9)*Zz)/Power(Power(Yy,2),9)*Zz)/Power(Power(Yy,2),9)*Zz)/Power(Power(Yy,2),9)*Zz)/Power(Power(Yy,2),9)*Zz)/Power(Power(Yy,2),9)*Zz)/Power(Power(Yy,2),9)*Zz)/Power(Power(Yy,2),9)*Zz)/Power(Power(Yy,2),9)*Zz)/Power(Power(Yy,2),9)*Zz)/Power(Power(Yy,2),9)*Zz)/Power(Power(Yy,2),9)*Zz)/Power(Power(Yy,2),9)*Zz)/Power(Power(Yy,2),9)*Zz)/Power(Power(Yy,2),9)*Zz)/Power(Power(Yy,2),9)*Zz)/Power(Power(Yy,2),9)*Zz)/Power(Power(Yy,2),9)*Zz)/Power(Power(Yy,2),9)*Zz)/Power(Power(Yy,2),9)*Zz)/Power(Power(Yy,2),9)*Zz)/Power(Power(Yy,2),9)*Zz)/Power(Power(Yy,2),9)*Zz)/Power(Power(Yy,2),9)*Zz)/Power(Power(Yy,2),9)*Zz)/Power(Power(Yy,2),9)*Zz)/Power(Power(Yy,2),9)*Zz)/Power(Power(Yy,2),9)*Zz)/Power(Power(Yy,2),9)*Zz)/Power(Power(Yy,2),9)*Zz)/Power(Power(Yy,2),9)*Zz)/Power(Power(Yy,2),9)*Zz)/Power(Power(Yy,2),9)*Zz)/Power(Power(Yy,2),9)*Zz)/Power(Power(Yy,2),9)*Zz)/Power(Power(Yy,2),9)*Zz)/Power(Power(Yy,2),9)*Zz)/Power(Power(Yy,2),9)*Zz)/Power(Power(Yy,2),9)*Zz)/Power(Power(Yy,2),9)*Zz)/Power(Power(Yy,2),9)*Zz)/Power(Power(Yy,2),9)*Zz)/Power(Power(Yy,2),9)*Zz)/Power(Power(Yy,2),9)*Zz)/Power(Power(Yy,2),9)*Zz)/Power(Power(Yy,2),9)*Zz)/Power(Power(Yy,2),9)*Zz)/Power(Power(Yy,2),9)*Zz)/Power(Power(Yy,2),9)*Zz)/Power(Power(Yy,2),9)*Zz)/Power(Power(Yy
                                                                                               (524288*Sqrt(3)*Power(Xx,2))/Power(Power(Xx,2) + Power(Yy,2) + Power(Zz,2),2.5)
                                                                                               (524288*Sqrt(3)*Power(Yy,2))/Power(Power(Xx,2) + Power(Yy,2) + Power(Zz,2),2.5) +
                                                                            2048*Sqrt(13)*Power(Xx,4)*((-799425*Sqrt(22)*Power(Zz,6)*Sqrt(1/(Power(Xx,2)) + Power(Yz,6)*Sqrt(1/(Power(Xx,2)) + Power(Yx,6)*Sqrt(1/(Power(Xx,2)) + Powe
                                                                                               (1472625*Sqrt(22)*Power(Zz,4)*Sqrt(1/(Power(Xx,2) + Power(Yy,2) + Power(Zz,2)))))/Power(Zz,4)
                                                                                              (32*Yy)/Power(Power(Xx,2) + Power(Yy,2) + Power(Zz,2),3) + (12375*Sqrt(22)*Sqrt(1/(22)*Sqrt(1/(22)*Sqrt(22)*Sqrt(1/(22)*Sqrt(22)*Sqrt(22)*Sqrt(1/(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt
                                                                                                   Power(Power(Xx,2) + Power(Yy,2) + Power(Zz,2),2.5) + Power(Zz,2)*
                                                                                                    ((-528*Yy)/Power(Power(Xx,2) + Power(Yy,2) + Power(Zz,2),4)
                                                                                                                (408375*Sqrt(22)*Sqrt(1/(Power(Xx,2) + Power(Yy,2) + Power(Zz,2))))/Power(Power(Yy,2) + Power(Zz,2))))/Power(Power(Yy,2) + Power(Zz,2))))/Power(Power(Yy,2) + Power(Zz,2))))/Power(Power(Yy,2) + Power(Yy,2) + Power(Yy,2))/Power(Power(Yy,2) + Power(Yy,2))/Power(Power(Yy,2) + Power(Yy,2))/Power(Yy,2))/Power(Yy,2)/Power(Yy,2)/Power(Yy,2)/Power(Yy,2)/Power(Yy,2)/Power(Yy,2)/Power(Yy,2)/Power(Yy,2)/Power(Yy,2)/Power(Yy,2)/Power(Yy,2)/Power(Yy,2)/Power(Yy,2)/Power(Yy,2)/Power(Yy,2)/Power(Yy,2)/Power(Yy,2)/Power(Yy,2)/Power(Yy,2)/Power(Yy,2)/Power(Yy,2)/Power(Yy,2)/Power(Yy,2)/Power(Yy,2)/Power(Yy,2)/Power(Yy,2)/Power(Yy,2)/Power(Yy,2)/Power(Yy,2)/Power(Yy,2)/Power(Yy,2)/Power(Yy,2)/Power(Yy,2)/Power(Yy,2)/Power(Yy,2)/Power(Yy,2)/Power(Yy,2)/Power(Yy,2)/Power(Yy,2)/Power(Yy,2)/Power(Yy,2)/Power(Yy,2)/Power(Yy,2)/Power(Yy,2)/Power(Yy,2)/Power(Yy,2)/Power(Yy,2)/Power(Yy,2)/Power(Yy,2)/Power(Yy,2)/Power(Yy,2)/Power(Yy,2)/Power(Yy,2)/Power(Yy,2)/Power(Yy,2)/Power(Yy,2)/Power(Yy,2)/Power(Yy,2)/Power(Yy,2)/Power(Yy,2)/Power(Yy,2)/Power(Yy,2)/Power(Yy,2)/Power(Yy,2)/Power(Yy,2)/Power(Yy,2)/Power(Yy,2)/Power(Yy,2)/Power(Yy,2)/Power(Yy,2)/Power(Yy,2)/Power(Yy,2)/Power(Yy,2)/Power(Yy,2)/Power(Yy,2)/Power(Yy,2)/Power(Yy,2)/Power(Yy,2)/Power(Yy,2)/Power(Yy,2)/Power(Yy,2)/Power(Yy,2)/Power(Yy,2)/Power(Yy,2)/Power(Yy,2)/Power(Yy,2)/Power(Yy,2)/Power(Yy,2)/Power(Yy,2)/Power(Yy,2)/Power(Yy,2)/Power(Yy,2)/Power(Yy,2)/Power(Yy,2)/Power(Yy,2)/Power(Yy,2)/Power(Yy,2)/Power(Yy,2)/Power(Yy,2)/Power(Yy,2)/Power(Yy,2)/Power(Yy,2)/Power(Yy,2)/Power(Yy,2)/Power(Yy,2)/Power(Yy,2)/Power(Yy,2)/Power(Yy,2)/Power(Yy,2)/Power(Yy,2)/Power(Yy,2)/Power(Yy,2)/Power(Yy,2)/Power(Yy,2)/Power(Yy,2)/Power(Yy,2)/Power(Yy,2)/Power(Yy,2)/Power(Yy,2)/Power(Yy,2)/Power(Yy,2)/Power(Yy,2)/Power(Yy,2)/Power(Yy,2)/Power(Yy,2)/Power(Yy,2)/Power(Yy,2)/Power(Yy,2)/Power(Yy,2)/Power(Yy,2)/Power(Yy,2)/Power(Yy,2)/Power(Yy,2)/Power(Yy,2)/Power(Yy,2)/Power(Yy,2)/Power(Yy,2)/Power(Yy,2)/Power(Yy,2)/Power(Yy,2)/Power(Yy,2)/Power(Yy,2)/Power(Yy,2)/Power(Yy,2)/Power(Yy,2)/Power
                                                                            512*Sqrt(13)*Power(Zz,2)*((266475*Sqrt(22)*Power(Zz,8)*Sqrt(1/(Power(Xx,2) + Power(Yy,
                                                                                               (673200*Sqrt(22)*Power(Zz,6)*Sqrt(1/(Power(Xx,2) + Power(Yy,2) + Power(Zz,2))))/Pow
                                                                                              (104*Yy)/Power(Power(Xx,2) + Power(Yy,2) + Power(Zz,2),2) +
                                                                                               (12375*Sqrt(22)*Sqrt(1/(Power(Xx,2) + Power(Yy,2) + Power(Zz,2))))/Power(Power(Xx,2
                                                                                             66*Power(Zz,4)*((-4*Yy)/Power(Power(Xx,2) + Power(Yy,2) + Power(Zz,2),4)
                                                                                                                (8475*Sqrt(22)*Sqrt(1/(Power(Xx,2) + Power(Yy,2) + Power(Zz,2)))))/Power(Power(Xx
                                                                                             8*Power(Zz,2)*((46*Yy)/Power(Power(Xx,2) + Power(Yy,2) + Power(Zz,2),3) - Power(Zz,2)*((46*Yy)/Power(Power(Xx,2) + Power(Yy,2) + Power(Zz,2),3))
                                                                                                                 (20625*Sqrt(22)*Sqrt(1/(Power(Xx,2) + Power(Yy,2) + Power(Zz,2)))))Power(Power(Xx,2) + Power(Xx,2) + Power(Xx,2))
                                                                           512*Sqrt(13)*Power(Xx,2)*((799425*Sqrt(22)*Power(Zz,8)*Sqrt(1/(Power(Xx,2) + Power(Yy,
                                                                                               (168300*Sqrt(22)*Power(Zz,6)*Sqrt(1/(Power(Xx,2) + Power(Yy,2) + Power(Zz,2))))/Pow
                                                                                              (64*Yy)/Power(Power(Xx,2) + Power(Yy,2) + Power(Zz,2),2) - (12375*Sqrt(22)*Sqrt(1/(22)*Sqrt(1/(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*Sqrt(22)*S
                                                                                                   Power(Power(Xx,2) + Power(Yy,2) + Power(Zz,2),1.5) + 66*Power(Zz,4)*
                                                                                                   ((-32*Yy)/Power(Power(Xx,2) + Power(Yy,2) + Power(Zz,2),4) -
                                                                                                                 (14625*Sqrt(22)*Sqrt(1/(Power(Xx,2) + Power(Yy,2) + Power(Zz,2)))))/Power(Power(Xx,2))
                                                                                             Power(Zz,2)*((1536*Yy)/Power(Power(Xx,2) + Power(Yy,2) + Power(Zz,2),3) +
                                                                                                                (346500*Sqrt(22)*Sqrt(1/(Power(Xx,2) + Power(Yy,2) + Power(Zz,2)))))/Power(Power(Zz,2))))
In[136]:= CForm[RHS[[3]]]
Out[136]//CForm=
                                   (3*Sqrt(7/Pi)*(4096*Sqrt(13)*Power(Power(Xx,2) + Power(Yy,2),2.5)*Zz*(13*(Power(Xx,2) + Power(Xx,2))*Zz*(13*(Power(Xx,2) + Power(Xx,2))*Z*(13*(Power(Xx,2) + Power(Xx,2))*Z*(1
                                                                                 Cos(4*ArcTan(Xx,Yy)) - 422400*Sqrt(286)*Power(Power(Xx,2) + Power(Yy,2),3)*Zz*Sqrt(1/286)*Power(Power(Xx,2) + Power(Yy,2),3)*Zz*Sqrt(1/286)*Power(Power(Xx,2) + Power(Yy,2),3)*Zz*Sqrt(1/286)*Power(Power(Xx,2) + Power(Yy,2),3)*Zz*Sqrt(1/286)*Power(Power(Xx,2) + Power(Yy,2),3)*Zz*Sqrt(1/286)*Power(Power(Xx,2) + Power(Yy,2),3)*Zz*Sqrt(1/286)*Power(Power(Xx,2) + Power(Yx,2),3)*Zz*Sqrt(1/286)*Power(Power(Xx,2) + Power(Yx,2),3)*Zz*Sqrt(1/286)*Power(Power(Xx,2) + Power(Yx,2),3)*Zz*Sqrt(1/286)*Power(Power(Xx,2) + Power(Yx,2),3)*Zz*Sqrt(1/286)*Power(Power(Xx,2) + Power(Yx,2),3)*Zz*Sqrt(1/286)*Power(Power(Xx,2) + Power(Yx,2),3)*Zz*Sqrt(1/286)*Power(Power(Xx,2) + Power(Yx,2),3)*Zz*Sqrt(1/286)*Power(Yx,2)*Power(Yx,2)*Power(Yx,2)*Power(Yx,2)*Power(Yx,2)*Power(Yx,2)*Power(Yx,2)*Power(Yx,2)*Power(Yx,2)*Power(Yx,2)*Power(Yx,2)*Power(Yx,2)*Power(Yx,2)*Power(Yx,2)*Power(Yx,2)*Power(Yx,2)*Power(Yx,2)*Power(Yx,2)*Power(Yx,2)*Power(Yx,2)*Power(Yx,2)*Power(Yx,2)*Power(Yx,2)*Power(Yx,2)*Power(Yx,2)*Power(Yx,2)*Power(Yx,2)*Power(Yx,2)*Power(Yx,2)*Power(Yx,2)*Power(Yx,2)*Power(Yx,2)*Power(Yx,2)*Power(Yx,2)*Power(Yx,2)*Power(Yx,2)*Power(Yx,2)*Power(Yx,2)*Power(Yx,2)*Power(Yx,2)*Power(Yx,2)*Power(Yx,2)*Power(Yx,2)*Power(Yx,2)*Power(Yx,2)*Power(Yx,2)*Power(Yx,2)*Power(Yx,2)*Power(Yx,2)*Power(Yx,2)*Power(Yx,2)*Power(Yx,2)*Power(Yx,2)*Power(Yx,2)*Power(Yx,2)*Power(Yx,2)*Power(Yx,2)*Power(Yx,2)*Power(Yx,2)*Power(Yx,2)*Power(Yx,2)*Power(Yx,2)*Power(Yx,2)*Power(Yx,2)*Power(Yx,2)*Power(Yx,2)*Power(Yx,2)*Power(Yx,2)*Power(Yx,2)*Power(Yx,2)*Power(Yx,2)*Power(Yx,2)*Power(Yx,2)*Power(Yx,2)*Power(Yx,2)*Power(Yx,2)*Power(Yx,2)*Power(Yx,2)*Power(Yx,2)*Power(Yx,2)*Power(Yx,2)*Power(Yx,2)*Power(Yx,2)*Power(Yx,2)*Power(Yx,2)*Power(Yx,2)*Power(Yx,2)*Power(Yx,2)*Power(Yx,2)*Power(Yx,2)*Power(Yx,2)*Power(Yx,2)*Power(Yx,2)*Power(Yx,2)*Power(Yx,2)*Power(Yx,2)*Power(Yx,2)*Power(Yx,2)*Power(Yx,2)*Power(Yx,2)*Power(Yx,2)*Power(Yx,2)*Power(Yx,2)*Power(Yx,2)*Power(Yx,2)*Power(Yx,2)*Power(Yx,2)*Power(Yx,2)*Power(Yx,2)*Power(Yx,2)*Power(Yx,2)*Power(Yx,2)*Power(Yx,2
                                                                                 Power(Power(Xx,2) + Power(Yy,2) + Power(Zz,2),5.5)*(15*Power(Power(Xx,2) + Power(Yy,2))*(15*Power(Power(Xx,2) + Power(Yy,2))*(15*Power(Power(Yy,2) + Power(Power(Yy,2) + Power(Power(Yy,2))*(15*Power(Power(Yy,2) + Power(Power(Yy,2) + Power(Power(Yy,2))*(15*Power(Power(Yy,2) + Power(Power(Yy,2) + Power(Yy,2) + Power(Power(Yy,2) + Power(Power(Yy,2) + Power(Yy,2) + Power(Yy
                                                                                  Sin(5*ArcTan(Xx,Yy)) - Sqrt(5)*Sqrt(Power(Xx,2) + Power(Yy,2))*
                                                                                   (2097152*Sqrt(3)*Xx*Yy*Zz*Power(Power(Xx,2) + Power(Yy,2) + Power(Zz,2),8.5) + 525*Sq
                                                     (65536.*Sqrt(Power(Xx,2) + Power(Yy,2))*Power(Power(Xx,2) + Power(Yy,2) + Power(Zz,2),11))
In[137]:=
In[152]:=
                                    TeXForm[U[[1]]]
Out[152]//TeXForm=
                                 \left(\text{Xx}^2+\text{Yy}^2\right)^{3/2} \sqrt{\frac{1}{\text{Xx}^2+\text{Yy}^2+\text{Zz}\left(\text{Xx}^2+\text{Yy}^2\right)^2+168 \text{Zz}^4\right) \sin \left(5 \tan
                                                    $$ \frac{1}{x^2-1} \left( \frac{Xx}{x^2}, \frac{Xx}{x^2} \right) \right] \left( \frac{Xx}{x^2} + \frac{Xx}{x^2} \right) \left( \frac{Xx}{x^
```

### In[151]:= TeXForm[U[[2]]]

### In[150]:= TeXForm[U[[3]]]

Out[150]//TeXForm=

 $-\frac{sqrt}{frac{7}{\pi i}} \left(\frac{5} \left(15 \right)^{8970964574} \left(\frac{Xx}^2+\frac{x}^2 \right)^{-1}(\left(\frac{Xx},\frac{5}\right)^2 \right)^{5} \left(\frac{3} \left(\frac{Xx} \right)^2 \right)^{5} \left(\frac{Xx} \right)^{2} \left(\frac{Xx} \right)^{$ 

### In[149]:= TeXForm[Pressure]

Out[149]//TeXForm=

Out[148]//TeXForm=

 $-\frac{3 \operatorname{91}{\pi c}^3 \operatorname{91}^2 \left(\frac{Xx}^2+\det{Yy}^2\right)^2 \left(\frac{Xx}^2+\det$ 

In[148]:=

### TeXForm[RHS[[1]]]

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\frac{3 \sqrt{\frac{7}{\pi }} \left(\frac{1267200 \sqrt{286} \text{Yy} \sqrt{\frac{1}{\text{X} \text{Xx}^9} \left(\text{Xx}^2+\text{Yy}^2+\text{Zz}^2\right)^{11/2}}-\frac{10137600 \sqrt \text{Xx}^7} \left(\text{Xx}^2+\text{Yy}^2+\text{Zz}^2\right)^{11/2}}-\frac{10137600 \sqrt \text{Xx}^7} \left(\text{Xx}^2+\text{Yy}^2+\text{Zz}^2\right)^{11/2}}-\frac{15206400 \sqrt \text{Xx}^7} \left(\text{Xx}^2+\text{Yy}^2+\text{Zz}^2\right)^{11/2}}-\frac{15206400 \sqrt \text{Xx}^5} \left(\text{Xx}^2+\text{Yy}^2+\text{Zz}^2\right)^{11/2}}-\frac{17740800 \sqrt \text{Xx}^5} \left(\text{Xx}^2+\text{Yy}^2+\text{Zz}^2\right)^{11/2}}-\frac{11926400 \sqrt \text{Xx}^5} \left(\text{Xx}^2+\text{Yy}^2+\text{Zz}^2\right)^{11/2}}-\frac{11926400 \sqrt \text{Xx}^5} \left(\text{Xx}^2+\text{Yy}^2+\text{Zz}^2\right)^{11/2}}-\frac{11926400 \sqrt \text{Xx}^5} \left(\text{Xx}^2+\text{Xx}^5\text{Xx}^5\text{Xx}^5\text{Xx}^5\text{Xx}^5\text{Xx}^5\text{Xx}^5\text{Xx}^5\text{Xx}^5\text{Xx}^5\text{Xx}^5\text{Xx}^5\text{Xx}^5\text{Xx}^5\text{Xx}^5\text{Xx}^5\text{Xx}^5\text{Xx}^5\text{Xx}^5\text{Xx}^5\text{Xx}^5\text{Xx}^5\text{Xx}^5\text{Xx}^5\text{Xx}^5\text{Xx}^5\text{Xx}^5\text{Xx}^5\text{Xx}^5\text{Xx}^5\text{Xx}^5\text{Xx}^5\text{Xx}^5\text{Xx}^5\text{Xx}^5\text{Xx}^5\text{Xx}^5\text{Xx}^5\text{Xx}^5\text{Xx}^5\text{Xx}^5\text{Xx}^5\text{Xx}^5\text{Xx}^5\text{Xx}^5\text{Xx}^5\text{Xx}^5\text{Xx}^5\text{Xx}^5\text{Xx}^5\text{Xx}^5\text{Xx}^5\text{Xx}^5\text{Xx}^5\text{Xx}^5\text{Xx}^5\text{Xx}^5\text{Xx}^5\text{Xx}^5\text{Xx}^5\text{Xx}^5\text{Xx}^5\text{Xx}^5\text{Xx}^5\text{Xx}^5\text{Xx}^5\text{Xx}^5\text{Xx}^5\text{Xx}^5\text{Xx}^5\text{Xx}^5\text{Xx}^5\text{Xx}^5\text{Xx}^5\text{Xx}^5\text{Xx}^5\text{Xx}^5\text{Xx}^5\text{Xx}^5\text{Xx}^5\text{Xx}^5\text{Xx}^5\text{Xx}^5\text{Xx}^5\text{Xx}^5\text{Xx}^5\text{Xx}^5\text{Xx}^5\text{Xx}^5\text{Xx}^5\text{Xx}^5\text{Xx}^5\text{Xx}^5\text{Xx}^5\text{Xx}^5\text{Xx}^5\text{Xx}^5\text{Xx}^5\text{Xx}^5\text{Xx}^5\text{Xx}^5\text{Xx}^5\text{Xx}^5\text{Xx}^5\text{Xx}^5\text{Xx}^5\text{Xx}^5\text{Xx}^5\tex
```

 $\label{thm:local_transform} $$ \left( \frac{1}{2} \right)^2 \left( \frac{1}{2} \right)$ 

### In[147]:= TeXForm[RHS[[2]]]

```
Out[147]//TeXForm=
                                                                                                                                      \frac{3 \operatorname{7}{\pi c}^3 \operatorname{7}{\pi c}^3 \operatorname{7}}{\pi c}^3 \operatorname{T}^3 \operatorname
                                                                                                                                                                                                         \label{eq:constraint} $$ \left\{ \frac{1}{44854822870} \left( \frac{Xx}^2 + \frac{Yy}^2 \right) \left( \frac{Zz}{Xx}^{17} \right) \left( \frac{Xx}^2 + \frac{Yy}^2 \right) \right( \frac{Zz}{Xx}^{17} \right\} \left( \frac{Xx}^2 + \frac{Yy}^2 \right)^2 \left( \frac{Zz}{Xx}^{15} \right) \left( \frac{Xx}^2 + \frac{Yy}^2 \right)^2 \left( \frac{Zz}{Xx}^{15} \right) \left( \frac{Xx}^2 + \frac{Yy}^2 \right)^2 \left( \frac{Zz}{Xx}^{15} \right) \left( \frac{Xx}^2 + \frac{Yy}^2 \right)^2 \left( \frac{Xx}^2 + \frac{Yy}^2 \right)^2
                                                                                                                                                                                                         \sqrt\{44854822870\} \left(\text\{Xx}^2+\text\{Yy}^2\right)^2 \text\{Zz\} \text\{Xx\}^{13\}\{\left(\sqrt\{44854822870\} \left(\text\{Xx\}^2+\text\{Yy\}^2\right)^4 \text\{Zz\} \text\{Xx\}^{11\}\{\sqrt\{44854822870\} \left(\text\{Xx\}^2+\text\{Yy\}^2\right)^5 \text\{Zz\} \text\{Xx\}^9\{\left(\text\{Xx\}^2+\text\{Yy\}^2\right)^5 \text\{Zz\} \text\{Xx\}^9\{\left(\text\{Xx\}^2+\text\{Yy\}^2\right)^5 \text\{Zz\} \text\{Xx\}^9\{\left(\text\{Xx\}^2+\text\{Yy\}^2\right)^5 \text\{Zz\} \text\{Xx\}^9\}\\\
                                                                                                                                                                                                            \label{left} $$ \left( \frac{Xx}^2+\det\{Yy}^2\right)^6 \left( \frac{Zz}{Zz} \right)^7 \left( \frac{Xx}^2+\det\{Yy}^2\right)^6 \left( \frac{Zz}{Zz} \right)^7 \left( \frac{Xx}^2+\det\{Yy}^2+\det\{Zz}^2 \right)^7 \left( \frac{Zz}^4-96 
                                                                                                                                                                                                     \left(\text{Xx}^2+\text{Yy}^2\right)^2\right) \text{Xx}^6}{\left(\text{Xx}^2+\text{Yy}^2\right)^2\right) \text{Xx}^6}{\left(\text{Xx}^2+\text{Yy}^2\right)^7\text{Zz}\text{Xx}^5}{\left(\text{Xx}^2+\text{Yy}^2\right)^7\text{Zz}\text{Xx}^5}{\left(\text{Xx}^2+\text{Yy}^2\right)^7\text{Zz}\text{Xx}^2}\text{Xx}^5}{\left(\text{Xx}^2+\text{Yy}^2\right)^7\text{Zz}^2}\text{Zz}^6}{\left(\text{Xx}^2+\text{Yy}^2\right)^7\text{Zz}^2}\text{Zz}^6}{\left(\text{Xx}^2+\text{Yy}^2\right)^7\text{Zz}^2}\text{Zz}^6}{\left(\text{Xx}^2+\text{Xx}^2+\text{Yy}^2\right)^7\text{Zz}^2}\text{Zz}^4}{\left(\text{Xx}^2+\text{Xx}^2+\text{Yy}^2\right)^7\text{Zz}^2}
                                                                                                                                                                                                  \label{text} $$ \left(\frac{1}{\text{Xx}^2+\text{Yy}^2+\text{Zz}^2}\right) \left(\frac{Zz}^4}{\left(\frac{Xx}^2+\text{Xx}^2+\text{Xx}^2+\text{Xy}^2+\text{Xz}^2}\right) \left(\frac{Zz}^4}{\left(\frac{Xx}^2+\text{Xx}^2+\text{Xx}^2+\text{Xy}^2+\text{Xz}^2}\right)} \left(\frac{Xx}^2+\text{Xx}^2+\text{Xx}^2+\text{Xx}^2+\text{Xx}^2+\text{Xx}^2+\text{Xx}^2+\text{Xx}^2+\text{Xx}^2+\text{Xx}^2+\text{Xx}^2+\text{Xx}^2+\text{Xx}^2+\text{Xx}^2+\text{Xx}^2+\text{Xx}^2+\text{Xx}^2+\text{Xx}^2+\text{Xx}^2+\text{Xx}^2+\text{Xx}^2+\text{Xx}^2+\text{Xx}^2+\text{Xx}^2+\text{Xx}^2+\text{Xx}^2+\text{Xx}^2+\text{Xx}^2+\text{Xx}^2+\text{Xx}^2+\text{Xx}^2+\text{Xx}^2+\text{Xx}^2+\text{Xx}^2+\text{Xx}^2+\text{Xx}^2+\text{Xx}^2+\text{Xx}^2+\text{Xx}^2+\text{Xx}^2+\text{Xx}^2+\text{Xx}^2+\text{Xx}^2+\text{Xx}^2+\text{Xx}^2+\text{Xx}^2+\text{Xx}^2+\text{Xx}^2+\text{Xx}^2+\text{Xx}^2+\text{Xx}^2+\text{Xx}^2+\text{Xx}^2+\text{Xx}^2+\text{Xx}^2+\text{Xx}^2+\text{Xx}^2+\text{Xx}^2+\text{Xx}^2+\text{Xx}^2+\text{Xx}^2+\text{Xx}^2+\text{Xx}^2+\text{Xx}^2+\text{Xx}^2+\text{Xx}^2+\text{Xx}^2+\text{Xx}^2+\text{Xx}^2+\text{Xx}^2+\text{Xx}^2+\text{Xx}^2+\text{Xx}^2+\text{Xx}^2+\text{Xx}^2+\text{Xx}^2+\text{Xx}^2+\text{Xx}^2+\text{Xx}^2+\text{Xx}^2+\text{Xx}^2+\text{Xx}^2+\text{Xx}^2+\text{Xx}^2+\text{Xx}^2+\text{Xx}^2+\text{Xx}^2+\text{Xx}^2+\text{Xx}^2+\text{Xx}^2+\text{Xx}^2+\text{Xx}^2+\text{Xx}^2+\text{Xx}^2+\text{Xx}^2+\text{Xx}^2+\text{Xx}^2+\text{Xx}^2+\text{Xx}^2+\text{Xx}^2+\text{Xx}^2+\text{Xx}^2+\text{Xx}^2+\text{Xx}^2+\text{Xx}^2+\text{Xx}^2+\text{Xx}^2+\text{Xx}^2+\text{Xx}^2+\text{Xx}^2+\text{Xx}^2+\text{Xx}^2+\text{Xx}^2+\text{Xx}^2+\text{Xx}^2+\text{Xx}^2+\text{Xx}^2+\text{Xx}^2+\text{Xx}^2+\text{Xx}^2+\text{Xx}^2+\text{Xx}^2+\text{Xx}^2+\text{Xx}^2+\text{Xx}^2+\text{Xx}^2+\text{Xx}^2+\text{Xx}^2+\text{Xx}^2+\text{Xx}^2+\text{Xx}^2+\text{Xx}^2+\text{Xx}^2+\text{Xx}^2+\text{Xx}^2+\text{Xx}^2+\text{Xx}^2+\text{Xx}^2+\text{Xx}^2+\text{Xx}^2+\text{Xx}^2+\text{Xx}^2+\text{Xx}^2+\text{Xx}^2+\text{Xx}^2+\text{Xx}^2+\text{Xx}^2+\text{Xx}^2+\text{Xx}^2+\text{Xx}^2+\text{Xx}^2+\text{Xx}^2+\text{Xx}^2+\text{Xx}^2+\text{Xx}^2+\text{Xx}^2+\text{Xx}^2+\text{Xx}^2+\text{Xx}^2+\text{Xx}^2+\text{Xx}^2+\text{Xx}^2+\text{Xx}^2+\text{Xx}^2+\text{Xx}^2+\text{Xx}^2+\text{Xx}^2+\text{Xx}^2+\text{Xx}^2+\text{Xx}^2+\text{Xx}^2+\text{Xx}^2+\text{Xx}^2+\text{Xx}^2+\text{Xx}^2+\text{Xx}^2+\text{Xx}^2+\text{Xx}^2+\text{Xx}^2+\text{Xx}^2+\text{Xx}^2+\text{Xx}^2+\text{Xx}^2+\text{Xx}^2+\text{Xx}^2+\text{Xx}^2+\text{Xx}^2+\text{Xx}^2+\text{Xx}^2+\text{Xx}^2+\text{Xx}^2+\text{Xx}^2+\text{Xx}^2+\text{Xx}^2+\text{Xx}^2+\text{Xx}^2+\text{Xx}^2+\text{Xx}^2+\text{Xx}^2+\text{Xx}^2+\text{Xx}^2+\text{Xx}^2+\text{Xx}^2+\text{Xx}^2+\text{Xx}^2+\text{Xx}^2+\text{Xx}^2+\text{Xx}^2+\text{Xx}^2+\text{Xx}^2+\text{Xx}^2+\text{Xx}^2+\text{Xx}^2+\text{Xx}^2+\text{Xx}^2+\text{Xx}^2+\text{Xx}^2+\text{Xx}^2+\text{Xx}^2+\text{Xx}^2+\text{Xx}^2+\text{Xx}^2+\text{Xx}^2+\text{Xx}^2+\text{Xx}^2+\text{Xx}^2+\text{Xx}^2+\text{Xx}^2+\text{Xx}^2+\text{Xx}^2+\text{Xx}^2+\text{Xx}^2+\text{Xx}^2+\text{Xx}^2+\text{Xx}^2
                                                                                                                                                                                                     \sqrt{3}}\\left(\text{XX}^2+\text{YY}^2+\text{ZZ}^2\right)^{3/2}}-\right)^{3/2}}\\right)^{3/2}}\\right)^{3/2}}\\right)^{3/2}}\\right)^{3/2}}\\right)^{3/2}}\\right)^{3/2}}\\right)^{3/2}}\\right)^{3/2}}\\right)^{3/2}}\\right)^{3/2}}\\right)^{3/2}}\\right)^{3/2}}\\right)^{3/2}}\\right)^{3/2}}\\right)^{3/2}}\\right)^{3/2}}\\right)^{3/2}}\\right)^{3/2}}\\right)^{3/2}}\\right)^{3/2}}\\right)^{3/2}}\\right)^{3/2}}\\right)^{3/2}}\\right)^{3/2}}\\right)^{3/2}}\\right)^{3/2}}\\right)^{3/2}}\\right)^{3/2}}\\right)^{3/2}}\\right)^{3/2}}\\right)^{3/2}}\\right)^{3/2}}\\right)^{3/2}}\\right)^{3/2}}\\right)^{3/2}}\\right)^{3/2}}\\right)^{3/2}}\\right)^{3/2}}\\right)^{3/2}}\\right)^{3/2}}\\right)^{3/2}}\\right)^{3/2}}\\right)^{3/2}}\\right)^{3/2}}\\right)^{3/2}}\\right)^{3/2}}\\right)^{3/2}}\\right)^{3/2}}\\right)^{3/2}}\\right)^{3/2}}\\right)^{3/2}}\\right)^{3/2}}\\right)^{3/2}}\\right)^{3/2}}\\right)^{3/2}}\\right)^{3/2}}\\right)^{3/2}}\\right)^{3/2}}\\right)^{3/2}}\\right)^{3/2}}\\right)^{3/2}}\\right)^{3/2}}\\right)^{3/2}}\\right)^{3/2}}\\right)^{3/2}}\\right)^{3/2}}\\right)^{3/2}}\\right)^{3/2}}\\right)^{3/2}}\\right)^{3/2}}\\right)^{3/2}}\\right)^{3/2}}\\right)^{3/2}}\\right)^{3/2}}\\right)^{3/2}}\\right)^{3/2}}\\right)^{3/2}}\\right)^{3/2}}\\right)^{3/2}}\\right)^{3/2}}\\right)^{3/2}}\\right)^{3/2}}\\right)^{3/2}}\\right)^{3/2}}\\right)^{3/2}}\\right)^{3/2}}\\right)^{3/2}}\\right)^{3/2}}\\right)^{3/2}}\\right)^{3/2}}\\right)^{3/2}}\\right)^{3/2}}\\right)^{3/2}}\\right)^{3/2}}\\right)^{3/2}}\\right)^{3/2}}\\right)^{3/2}}\\right)^{3/2}}\\right)^{3/2}}\\right)^{3/2}}\\right)^{3/2}}\\right)^{3/2}}\\right)^{3/2}}\\right)^{3/2}}\\right)^{3/2}}\\right)^{3/2}}\\right)^{3/2}}\\right)^{3/2}}\\right)^{3/2}}\\right)^{3/2}}\\right)^{3/2}}\\right)^{3/2}}\\right)^{3/2}}\\right)^{3/2}}\\right)^{3/2}}\\right)^{3/2}}\\right)^{3/2}}\\right)^{3/2}}\\right)^{3/2}}\\right)^{3/2}}\\right)^{3/2}}\\right)^{3/2}}\\right)^{3/2}}\\right)^{3/2}}\\right)^{3/2}}\\right)^{3/2}}\\right)^{3/2}}\\right)^{3/2}}\\right)^{3/2}}\\right)^{3/2}}\\right)^{3/2}}\
                                                                                                                                                                                                            \label{eq:local_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_continuous_cont
                                                                                                                                                                                                            \text{Yy}}{\left(\text{Xx}^2+\text{Yy}^2+\text{Zz}^2\right)^2\\right)\right)\{65536}
```

## In[146]:= TeXForm[RHS[[3]]]

```
Out[146]//TeXForm=
```

 $\label{left.text} $$ \left(\frac{Xx}^2+\text{text}(Yy)^2\right)^{5/2} \left(\frac{13 \left(\frac{Xx}^2+\text{text}(Yy)^2\right)^2}{1 + \frac{Xx}^2+\text{text}(Yy)^2\right)^2} \right) $$ \left(\frac{4 \tan ^{-1}(\text{text}(Xx),\text{text}(Yy))^2}{1 + \frac{Xx}^2+$  $\label{eq:control_co$