Define Cartesian spherical harmonics.

Ylm[l\_, m\_, x\_, y\_, z\_] := 
$$\sqrt{\frac{(2 l + 1)}{4 \pi} \frac{(l - m)!}{(l + m)!}} \text{ LegendreP}[l, m, \frac{z}{\sqrt{x^2 + y^2 + z^2}}] \left(\frac{x + I y}{\sqrt{x^2 + y^2}}\right)^{m}$$

Define complex spherical harmonics.

$$\label{eq:local_local_local_local} $$\inf_{z \in \mathbb{R}} \frac{1}{\|x\|_{\infty}} = \frac{1}{\|x\|_{$$

## Print real harmonics with counter.

```
For[l = 0, l < 2, l++,
    For[m = -l, m < l + 1, m++, Print["Y[counter] = ", CForm[YlmReal[l, m, x, y, z]], ";"];
    Print["Yx[counter] = ", CForm[D[YlmReal[l, m, x, y, z], x] // FullSimplify], ";"];
    Print["Yy[counter] = ", CForm[D[YlmReal[l, m, x, y, z], y] // FullSimplify], ";"];
    Print["Yz[counter] = ", CForm[D[YlmReal[l, m, x, y, z], z] // FullSimplify], ";"];
    Print["counter++;"]];
    Print["if (l == ", l, ") return;"]]</pre>
```

```
Y[counter] = 1/(2.*Sqrt(Pi));
Yx[counter] = 0;
Yy[counter] = 0;
Yz[counter] = 0;
counter++;
if (l == 0) return;
Y[counter] = (Sqrt(3/Pi)*y)/(2.*Sqrt(Power(x,2) + Power(y,2) + Power(z,2)));
Yx[counter] = -(Sqrt(3/Pi)*x*y)/(2.*Power(Power(x,2) + Power(y,2) + Power(z,2),1.5));
Yy[counter] = (Sqrt(3/Pi) * (Power(x,2) +
   Power(z,2)))/(2.*Power(Power(x,2) + Power(y,2) + Power(z,2),1.5));
Yz[counter] = -(Sqrt(3/Pi)*y*z)/(2.*Power(Power(x,2) + Power(y,2) + Power(z,2),1.5));
counter++;
Y[counter] = (Sqrt(3/Pi)*z)/(2.*Sqrt(Power(x,2) + Power(y,2) + Power(z,2)));
Yx[counter] = -(Sqrt(3/Pi)*x*z)/(2.*Power(Power(x,2) + Power(y,2) + Power(z,2),1.5));
Yy[counter] = -(Sqrt(3/Pi)*y*z)/(2.*Power(Power(x,2) + Power(y,2) + Power(z,2),1.5));
Yz[counter] = (Sqrt(3/Pi) * (Power(x,2) +
   Power(y,2)))/(2.*Power(Power(x,2) + Power(y,2) + Power(z,2),1.5));
counter++;
Y[counter] = (Sqrt(3/Pi)*x)/(2.*Sqrt(Power(x,2) + Power(y,2) + Power(z,2)));
Yx[counter] = (Sqrt(3/Pi) * (Power(y,2) +
   Power(z,2)))/(2.*Power(Power(x,2) + Power(y,2) + Power(z,2),1.5));
Yy[counter] = -(Sqrt(3/Pi)*x*y)/(2.*Power(Power(x,2) + Power(y,2) + Power(z,2),1.5));
Yz[counter] = -(Sqrt(3/Pi)*x*z)/(2.*Power(Power(x,2) + Power(y,2) + Power(z,2),1.5));
counter++;
if (l == 1) return;
```

## Print complex harmonics with counter.

```
ln[12]:= For [l = 0, l < 7, l++, For [m = -1, m < l + 1, m++,
       Print["Y[counter] = ", CForm[YlmComplex[l, m, x, y, z]], ";"];
       Print["Yx[counter] = ",
        CForm[D[YlmComplex[l, m, x, y, z], x] // FullSimplify], ";"];
       Print["Yy[counter] = ", CForm[D[YlmComplex[l, m, x, y, z], y] // FullSimplify],
        ";"];
       Print["Yz[counter] = ", CForm[D[YlmComplex[l, m, x, y, z], z] // FullSimplify],
        ";"];
       Print["counter++;"]];
      Print["if (l == ", l, ") return;"]]
```

```
Y[counter] = 1/(2.*Sqrt(Pi));
Yx[counter] = 0;
Yy[counter] = 0;
Yz[counter] = 0;
counter++;
if (l == 0) return;
Y[counter] =
   (\operatorname{Sqrt}(3/(2.*Pi))*(x - \operatorname{Complex}(0,1)*y))/(2.*\operatorname{Sqrt}(\operatorname{Power}(x,2) + \operatorname{Power}(y,2) + \operatorname{Power}(z,2)));
Yx[counter] = (Sqrt(3/(2.*Pi))*(Complex(0,1)*x*y + Power(y,2))
        + Power(z,2)))/(2.*Power(Power(x,2) + Power(y,2) + Power(z,2),1.5));
Yy[counter] = (Complex(0,-0.5)*Sqrt(3/(2.*Pi))*(Power(x,2) - Complex(0,1)*x*y)
        + Power(z,2)))/Power(Power(x,2) + Power(y,2) + Power(z,2),1.5);
Yz[counter] = -(Sqrt(3/(2.*Pi))*(x -
        \label{eq:complex} \mbox{Complex} \, (0\,,1) \, *y) \, *z) \, / \, (2\,. \, *Power} \, (Power} \, (x\,,2) \  \  \, + \  \, Power} \, (y\,,2) \  \  \, + \  \, Power} \, (z\,,2) \, \, ,1.5) \, ) \, ;
counter++;
Y[counter] = (Sqrt(3/Pi)*z) / (2.*Sqrt(Power(x,2) + Power(y,2) + Power(z,2)));
Yx[counter] = -(Sqrt(3/Pi)*x*z)/(2.*Power(Power(x,2) + Power(y,2) + Power(z,2),1.5));
\label{eq:counter} \mbox{Yy[counter]} = -\left(\mbox{Sqrt}(3/\mbox{Pi}) * y * z\right) / \left(2.*\mbox{Power}(\mbox{Power}(x,2) + \mbox{Power}(y,2) + \mbox{Power}(z,2),1.5)\right);
Yz[counter] = (Sqrt(3/Pi) * (Power(x,2) +
        Power(y,2)))/(2.*Power(Power(x,2) + Power(y,2) + Power(z,2),1.5));
counter++;
Y[counter] =
   -(Sqrt(3/(2.*Pi))*(x + Complex(0,1)*y))/(2.*Sqrt(Power(x,2) + Power(y,2) + Power(z,2)))
Yx[counter] = (Complex(0,0.5) *Sqrt(3/(2.*Pi)) * (x*y + Complex(0,1) * (Power(y,2))) * (x*y + Complex(0,1)
        + Power(z,2))))/Power(Power(x,2) + Power(y,2) + Power(z,2),1.5);
Yy[counter] = (Complex(0,-0.5)*Sqrt(3/(2.*Pi))*(Power(x,2) + Complex(0,1)*x*y)
        + Power(z,2)))/Power(Power(x,2) + Power(y,2) + Power(z,2),1.5);
Yz[counter] = (Sqrt(3/(2.*Pi))*(x +
        Complex(0,1)*y)*z)/(2.*Power(Power(x,2) + Power(y,2) + Power(z,2),1.5));
counter++;
if (l == 1) return;
Y[counter] = (Sqrt(15/(2.*Pi))*Power(x -
        Complex(0,1)*y,2))/(4.*(Power(x,2) + Power(y,2) + Power(z,2)));
 Yx[counter] = (Sqrt(15/(2.*Pi))*(x - Complex(0,1)*y)*(Complex(0,1)*x*y + Power(y,2))  
        + Power(z,2)))/(2.*Power(Power(x,2) + Power(y,2) + Power(z,2),2));
Yy[counter] =
   (\mathsf{Complex}\,(\mathtt{0},-\mathtt{0.5})\, \star \mathsf{Sqrt}\,(\mathtt{15}/\,(\mathtt{2.\star\,Pi})\,)\, \star \,(\mathtt{x}\,\,-\,\, \mathsf{Complex}\,(\mathtt{0},\mathtt{1})\, \star \mathtt{y})\, \star \,(\mathsf{Power}\,(\mathtt{x},\mathtt{2})\,\,-\,\, \mathsf{Complex}\,(\mathtt{0},\mathtt{1})\, \star \mathtt{x}\, \star \mathtt{y}))))
        + Power(z,2)))/Power(Power(x,2) + Power(y,2) + Power(z,2),2);
```

```
Yz[counter] = -(Sqrt(15/(2.*Pi))*Power(x -
     Complex(0,1)*y,2)*z)/(2.*Power(Power(x,2) + Power(y,2) + Power(z,2),2));
counter++;
Y[counter] =
 (\mathsf{Sqrt}(\mathsf{15}/(2.*\mathsf{Pi}))*(x - \mathsf{Complex}(0,1)*y)*z)/(2.*(\mathsf{Power}(x,2) + \mathsf{Power}(y,2) + \mathsf{Power}(z,2)));
Yx[counter] = (Sqrt(15/(2.*Pi))*z*(-Power(x - Complex(0,1)*y,2))
     + \  \, \mathsf{Power}\,(\,z\,,2\,)\,\,)\,\,)\,\,/\,\,(\,2\,.\,\star\,\mathsf{Power}\,(\,\mathsf{Power}\,(\,x\,,2\,)\  \  \, +\  \, \mathsf{Power}\,(\,y\,,2\,)\  \  \, +\  \, \mathsf{Power}\,(\,z\,,2\,)\,\,,2\,)\,\,)\,\,;
Yy[counter] = (Complex(0,-0.5)*Sqrt(15/(2.*Pi))*z*(Power(x - Complex(0,1)*y,2))
     + Power(z,2)) / Power(Power(x,2) + Power(y,2) + Power(z,2),2);
Yz[counter] = (Sqrt(15/(2.*Pi))*(x - Complex(0,1)*y)*(Power(x,2) + Power(y,2))
     - Power(z,2)))/(2.*Power(Power(x,2) + Power(y,2) + Power(z,2),2));
counter++;
Y[counter] = -(Sqrt(5/Pi) * (Power(x,2) + Power(y,2))
     -2*Power(z,2)))/(4.*(Power(x,2) + Power(y,2) + Power(z,2)));
Yx[counter] =
 (-3*Sqrt(5/Pi)*x*Power(z,2))/(2.*Power(Power(x,2) + Power(y,2) + Power(z,2),2));
Yy[counter] =
 (-3*Sqrt(5/Pi)*y*Power(z,2))/(2.*Power(Power(x,2) + Power(y,2) + Power(z,2),2));
Yz[counter] = (3*Sqrt(5/Pi)*(Power(x,2) +
     Power(y,2))*z)/(2.*Power(Power(x,2) + Power(y,2) + Power(z,2),2));
counter++;
Y[counter] =
 Yx[counter] = -(Sqrt(15/(2.*Pi))*z*(-Power(x + Complex(0,1)*y,2))
     + Power(z,2)))/(2.*Power(Power(x,2) + Power(y,2) + Power(z,2),2));
Yy[counter] = (Sqrt(15/(2.*Pi))*(x + Complex(0,1)*(y - z))*z*(Complex(0,-1)*x)
     + y + z))/(2.*Power(Power(x,2) + Power(y,2) + Power(z,2),2));
Yz[counter] = -(Sqrt(15/(2.*Pi))*(x + Complex(0,1)*y)*(Power(x,2) + Power(y,2))
     - Power(z,2)))/(2.*Power(Power(x,2) + Power(y,2) + Power(z,2),2));
counter++;
Y[counter] = (Sqrt(15/(2.*Pi))*Power(x +
     \label{eq:complex} \mbox{Complex} \, (\, 0 \, , 1 \, ) \, * \, y \, , 2 \, ) \, \, ) \, \, / \, \, (\, 4 \, . \, * \, (\, \mbox{Power} \, (\, x \, , 2 \, ) \, \, ) \, \, + \, \, \, \mbox{Power} \, (\, y \, , 2 \, ) \, \, + \, \, \, \mbox{Power} \, (\, z \, , 2 \, ) \, \, ) \, \, ) \, \, ;
Yx[counter] = (Sqrt(15/(2.*Pi))*(x + Complex(0,1)*y)*(Complex(0,-1)*x*y +
     Power(y,2) + Power(z,2)) / (2.*Power(Power(x,2) + Power(y,2) + Power(z,2),2));
Yy[counter] =
  (\mathsf{Complex}(\mathtt{0,0.5}) \star \mathsf{Sqrt}(\mathtt{15}/(\mathtt{2.\star Pi})) \star (\mathtt{x} + \mathsf{Complex}(\mathtt{0,1}) \star \mathtt{y}) \star (\mathsf{Power}(\mathtt{x,2}) + \mathsf{Complex}(\mathtt{0,1}) \star \mathtt{x} \star \mathtt{y})) \star (\mathsf{Power}(\mathtt{x,2}) + \mathsf{Complex}(\mathtt{0,1}) \star \mathtt{x} \star \mathtt{y})) \star (\mathsf{Power}(\mathtt{x,2}) + \mathsf{Complex}(\mathtt{0,1}) \star \mathtt{x} \star \mathtt{y}) \star (\mathsf{Power}(\mathtt{x,2}) + \mathsf{Complex}(\mathtt{0,1}) \star \mathtt{x} \star \mathtt{y})) \star (\mathsf{Power}(\mathtt{x,2}) + \mathsf{Complex}(\mathtt{0,1}) \star \mathtt{x} \star \mathtt{y})
     + Power(z,2)) / Power(Power(x,2) + Power(y,2) + Power(z,2),2);
Yz[counter] = -(Sqrt(15/(2.*Pi))*Power(x +
     Complex(0,1)*y,2)*z / (2.*Power(Power(x,2) + Power(y,2) + Power(z,2),2));
counter++;
```

```
if (l == 2) return;
Y[counter] = (Sqrt(35/Pi) *Power(x -
         Complex(0,1)*y,3)/(8.*Power(Power(x,2) + Power(y,2) + Power(z,2),1.5));
Yx[counter] =
    (3*Sqrt(35/Pi)*Power(x - Complex(0,1)*y,2)*(Complex(0,1)*x*y + Power(y,2) + (2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*(2+1)*
         Power(z,2)))/(8.*Power(Power(<math>x,2) + Power(y,2) + Power(z,2),2.5));
Yy[counter] = (Complex(0,-0.375)*Sqrt(35/Pi)*Power(x - Complex(0,1)*y,2)*(Power(x,2) - Compl
         Complex(0,1)*x*y + Power(z,2)))/Power(Power(x,2) + Power(y,2) + Power(z,2),2.5);
Yz[counter] = (-3*Sqrt(35/Pi)*Power(x -
         \mathsf{Complex}\,(0,1)\,\star y,3)\,\star z)\,/\,(8\,\cdot\star\,\mathsf{Power}\,(\mathsf{Power}\,(x,2)\ +\ \mathsf{Power}\,(y,2)\ +\ \mathsf{Power}\,(z,2)\,,2.5)\,)\,;
counter++;
Y[counter] = (Sqrt(105/(2.*Pi))*Power(x -
         \mathsf{Complex}\,(0,1)\,\star y\,,2)\,\star z)\,/\,(4\,\cdot\star\,\mathsf{Power}\,(\mathsf{Power}\,(x\,,2)\ +\ \mathsf{Power}\,(y\,,2)\ +\ \mathsf{Power}\,(z\,,2)\,\,,1.5)\,)\,;
Yx[counter] =
   2*(Power(y,2) + Power(z,2))))/(4.*Power(Power(x,2) + Power(y,2) + Power(z,2),2.5));
Yy[counter] = (Complex(0,-0.25)*Sqrt(105/(2.*Pi))*(x)
         - Complex (0,1)*y)*z*(2*Power(x,2)) - Complex (0,3)*x*y - Power (y,2)
          + 2*Power(z,2)))/Power(Power(x,2) + Power(y,2) + Power(z,2),2.5);
Yz[counter] = (Sqrt(105/(2.*Pi)) *Power(x - Complex(0,1)*y,2) * (Power(x,2) + Power(y,2))
         -2*Power(z,2)))/(4.*Power(Power(x,2) + Power(y,2) + Power(z,2),2.5));
counter++;
Y[counter] = -(Sqrt(21/Pi)*(x - Complex(0,1)*y)*(Power(x,2) + Power(y,2))
          -4*Power(z,2)))/(8.*Power(Power(x,2) + Power(y,2) + Power(z,2),1.5));
Yx[counter] =
    (Sqrt(21/Pi)*(Power(x - Complex(0,1)*y,2)*y*(Complex(0,-1)*x + y) + (-11*Power(x,2)))
         + Complex (0,14) *x*y + 3*Power(y,2)) *Power(z,2) +
         4*Power(z,4)))/(8.*Power(Power(x,2) + Power(y,2) + Power(z,2),2.5));
Yy[counter] =
    (Complex(0,0.125) *Sqrt(21/Pi) * (x*Power(x - Complex(0,1)*y,2) * (x + Complex(0,1)*y))
         + (-3*Power(x,2) + Complex(0,14)*x*y + 11*Power(y,2))*Power(z,2)
         -4*Power(z,4)))/Power(Power(x,2) + Power(y,2) + Power(z,2),2.5);
Yz[counter] = (Sqrt(21/Pi) * (x - Complex(0,1) * y) * z* (11* (Power(x,2) + Power(y,2)))
          -4*Power(z,2)))/(8.*Power(Power(x,2) + Power(y,2) + Power(z,2),2.5));
counter++;
Y[counter] = (Sqrt(7/Pi)*z*(-3*(Power(x,2) + Power(y,2)) +
         2*Power(z,2))/(4.*Power(Power(x,2) + Power(y,2) + Power(z,2),1.5));
Yx[counter] = (3*Sqrt(7/Pi)*x*z*(Power(x,2) + Power(y,2) -
         4 * Power(z,2))) / (4. * Power(Power(x,2) + Power(y,2) + Power(z,2),2.5));
Yy[counter] = (3*Sqrt(7/Pi)*y*z*(Power(x,2) + Power(y,2) -
         4*Power(z,2)))/(4.*Power(Power(x,2) + Power(y,2) + Power(z,2),2.5));
```

```
Yz[counter] = (-3*Sqrt(7/Pi)*(Power(x,2) + Power(y,2))*(Power(x,2) + Power(y,2))
              -4*Power(z,2)))/(4.*Power(Power(x,2) + Power(y,2) + Power(z,2),2.5));
counter++;
Y[counter] = (Sqrt(21/Pi) * (x + Complex(0,1) * y) * (Power(x,2) + Power(y,2))
              -4*Power(z,2)))/(8.*Power(Power(x,2) + Power(y,2) + Power(z,2),1.5));
Yx[counter] =
      (\operatorname{Sqrt}(21/\operatorname{Pi}) * (\operatorname{Complex}(0,-1) * (x - \operatorname{Complex}(0,1) * y) * \operatorname{Power}(x + \operatorname{Complex}(0,1) * y,2) * y)
              + (x + Complex(0,1)*y)*(11*x + Complex(0,3)*y)*Power(z,2) -
              4*Power(z,4)))/(8.*Power(Power(x,2) + Power(y,2) + Power(z,2),2.5));
Yy[counter] =
      (Complex(0,0.125) *Sqrt(21/Pi) * (x*(x - Complex(0,1)*y) *Power(x + Complex(0,1)*y,2))
              - (x + Complex(0,1)*y)*(3*x + Complex(0,11)*y)*Power(z,2) -
              4*Power(z,4)) / Power(Power(x,2) + Power(y,2) + Power(z,2),2.5);
Yz[counter] = -(Sqrt(21/Pi)*(x + Complex(0,1)*y)*z*(11*(Power(x,2) + Power(y,2)))
              -4*Power(z,2)))/(8.*Power(Power(x,2) + Power(y,2) + Power(z,2),2.5));
 counter++;
Y[counter] = (Sqrt(105/(2.*Pi))*Power(x +
              Complex(0,1)*y,2)*z)/(4.*Power(Power(x,2) + Power(y,2) + Power(z,2),1.5));
Yx[counter] =
    -\left(\mathsf{Sqrt}\left(\mathsf{105}/\left(2.\star\mathsf{Pi}\right)\right)\star\left(\mathsf{x}\right. + \left.\mathsf{Complex}\left(\mathfrak{0},\mathsf{1}\right)\star\mathsf{y}\right)\star\mathsf{z}\star\left(\mathsf{Power}\left(\mathsf{x},\mathsf{2}\right)\right. + \left.\mathsf{Complex}\left(\mathfrak{0},\mathsf{3}\right)\star\mathsf{x}\star\mathsf{y}\right.\right.\right. \\ \left. -\left(\mathsf{Sqrt}\left(\mathsf{105}/\left(2.\star\mathsf{Pi}\right)\right)\star\left(\mathsf{x}\right) + \left.\mathsf{Complex}\left(\mathfrak{0},\mathsf{1}\right)\star\mathsf{y}\right)\star\mathsf{z}\star\left(\mathsf{Power}\left(\mathsf{x},\mathsf{2}\right)\right)\right. \\ \left. + \left.\mathsf{Complex}\left(\mathfrak{0},\mathsf{3}\right)\star\mathsf{x}\star\mathsf{y}\right. \\ \left. + \left.\mathsf{Complex}\left(\mathfrak{0},\mathsf{3}\right)\star\mathsf{x}\right. \\ \left. + \left.\mathsf{Complex}\left(\mathsf{3}\right)\star\mathsf{x}\right. \\ \left. + \left.\mathsf{Complex}\left(\mathsf{3}\right)\star\mathsf{x}\right. \\ \left.\mathsf{Complex}\left(\mathsf{3}\right)\star\mathsf{x}\right. \\ \left. + \left.\mathsf{Complex}\left(\mathsf{3}\right)\star\mathsf{x}\right. \\ \left.\mathsf{Complex}\left(\mathsf{3}\right)\mathsf{x}\right. \\ \left.\mathsf{Complex}\left(\mathsf{3}\right)\star\mathsf{x}\right. \\ \left.\mathsf{Complex}\left(\mathsf{3}\right)\star\mathsf{x}\right. \\ \left.\mathsf{Complex}\left(\mathsf{3}\right)\mathsf{x}\right. \\ \left.\mathsf{Complex}\left(\mathsf{3}\right)\mathsf{
              2*(Power(y,2) + Power(z,2)))/(4.*Power(Power(x,2) + Power(y,2) + Power(z,2),2.5));
Yy[counter] = (Complex(0,0.25) *Sqrt(105/(2.*Pi)) * (x
              + Complex(0,1)*y*z*(2*Power(x,2)) + Complex(0,3)*x*y - Power(y,2)
              + 2*Power(z,2)))/Power(Power(x,2) + Power(y,2) + Power(z,2),2.5);
Yz[counter] = (Sqrt(105/(2.*Pi)) *Power(x + Complex(0,1)*y,2) * (Power(x,2) + Power(y,2))
              -2*Power(z,2)))/(4.*Power(Power(x,2) + Power(y,2) + Power(z,2),2.5));
counter++;
Y[counter] = -(Sqrt(35/Pi)*Power(x +
              Complex(0,1)*y,3)/(8.*Power(Power(x,2) + Power(y,2) + Power(z,2),1.5));
Yx[counter] = (Complex(0,0.375) *Sqrt(35/Pi) *Power(x)
              + Complex (0,1) * y, 2) * (x * y + Complex (0,1) * (Power (y,2) +
              Power (z,2)))) / Power (Power (x,2) + Power (y,2) + Power (z,2),2.5);
Yy[counter] = (Complex(0,-0.375)*Sqrt(35/Pi)*Power(x + Complex(0,1)*y,2)*(Power(x,2) + Compl
              Complex(0,1)*x*y + Power(z,2)))/Power(Power(x,2) + Power(y,2) + Power(z,2),2.5);
Yz[counter] = (3*Sqrt(35/Pi)*Power(x +
              Complex(0,1)*y,3)*z)/(8.*Power(Power(x,2) + Power(y,2) + Power(z,2),2.5));
counter++;
if (l == 3) return;
Y[counter] = (3*Sqrt(35/(2.*Pi))*Power(x -
              Complex(0,1)*y,4))/(16.*Power(Power(x,2) + Power(y,2) + Power(z,2),2));
```

```
Yx[counter] =
          (3*\operatorname{Sqrt}(35/(2.*\operatorname{Pi})) * \operatorname{Power}(x - \operatorname{Complex}(0,1) * y,3) * (\operatorname{Complex}(0,1) * x * y + \operatorname{Power}(y,2)) * (\operatorname{Complex}(0,1) * x * y + \operatorname{Complex}(0,1) * x * y + \operatorname{Compl
                        + Power(z,2)))/(4.*Power(Power(x,2) + Power(y,2) + Power(z,2),3));
Yy[counter] =
         (Complex(0,-0.75)*Sqrt(35/(2.*Pi))*Power(x - Complex(0,1)*y,3)*(Power(x,2) - Complex(0,1)*y,3)*(Power(x,2))
                        \texttt{Complex} (0,1) * x * y + \texttt{Power} (z,2))) / \texttt{Power} (\texttt{Power} (x,2) + \texttt{Power} (y,2) + \texttt{Power} (z,2),3); 
Yz[counter] = (-3*Sqrt(35/(2.*Pi))*Power(x -
                       Complex(0,1)*y,4)*z)/(4.*Power(Power(x,2) + Power(y,2) + Power(z,2),3));
 counter++;
Y[counter] = (3*Sqrt(35/Pi)*Power(x -
                        \texttt{Complex} (0,1) \star y, 3) \star z) / (8. \star \texttt{Power} (\texttt{Power} (x,2) + \texttt{Power} (y,2) + \texttt{Power} (z,2), 2)); 
Yx[counter] =
         (-3*Sqrt(35/Pi)*Power(x - Complex(0,1)*y,2)*z*(Power(x,2) - Complex(0,4)*x*y - Complex(
                       3*(Power(y,2) + Power(z,2))))/(8.*Power(Power(x,2) + Power(y,2) + Power(z,2),3));
Yy[counter] =
         (\mathsf{Complex}\,(\mathtt{0},-\mathtt{0.375})\, *\mathsf{Sqrt}\,(\mathtt{35/Pi})\, *\mathsf{Power}\,(\mathtt{x}\,\,-\,\, \mathsf{Complex}\,(\mathtt{0},\!\mathtt{1})\, *\mathtt{y},\!\mathtt{2})\, *\mathtt{z}\, *\, (\mathtt{3}\, *\mathsf{Power}\,(\mathtt{x},\!\mathtt{2})\,\, -\,\, \mathsf{2}\, *\mathsf{2}\, *\, \mathsf{2}\, \mathsf{2}\, *\, \mathsf{2}\, \mathsf{2}\,
                       \texttt{Complex}\,(\,0\,,4)\,\star x\,\star y\,\,-\,\, \texttt{Power}\,(\,y\,,2\,)\,\,+\,\, 3\,\star\, \texttt{Power}\,(\,z\,,2\,)\,\,)\,\,)\,\,/\,\, \texttt{Power}\,(\,\texttt{Power}\,(\,x\,,2\,)\,\,)\,\,
                       + Power(y,2) + Power(z,2),3);
Yz[counter] = (3*Sqrt(35/Pi)*Power(x - Complex(0,1)*y,3)*(Power(x,2) + Power(y,2))
                       -3*Power(z,2)))/(8.*Power(Power(x,2) + Power(y,2) + Power(z,2),3));
 counter++;
Y[counter] = (-3*Sqrt(5/(2.*Pi))*Power(x - Complex(0,1)*y,2)*(Power(x,2) + Power(y,2))
                       -6*Power(z,2)))/(8.*Power(Power(x,2) + Power(y,2) + Power(z,2),2));
Yx[counter] =
         (3*Sqrt(5/(2.*Pi))*(x - Complex(0,1)*y)*(Power(x - Complex(0,1)*y,2)*y*(Complex(0,-1)*x))
                       + y) + (-8*Power(x,2) + Complex(0,13)*x*y + 5*Power(y,2))*Power(z,2)
                       + 6*Power(z,4)))/(4.*Power(Power(x,2) + Power(y,2) + Power(z,2),3));
Yy[counter] =
          (3*Sqrt(5/(2.*Pi))*(Complex(0,1)*x + y)*(x*Power(x - Complex(0,1)*y,2)*(x + y)*(x*Power(x - Complex(0,1)*y,2)*(x + y)*(x + y
                        \texttt{Complex} (0,1) * y) + (-5 * \texttt{Power} (x,2) + \texttt{Complex} (0,13) * x * y + 8 * \texttt{Power} (y,2)) * \texttt{Power} (z,2) 
                       -6*Power(z,4)))/(4.*Power(Power(x,2) + Power(y,2) + Power(z,2),3));
Yz[counter] =
          (3*Sqrt(5/(2.*Pi))*Power(x - Complex(0,1)*y,2)*z*(4*(Power(x,2) + Power(y,2))
                       -3*Power(z,2)))/(2.*Power(Power(x,2) + Power(y,2) + Power(z,2),3));
counter++;
Y[counter] = (-3*Sqrt(5/Pi)*(x - Complex(0,1)*y)*z*(3*(Power(x,2) + Power(y,2)))
                       -4*Power(z,2)))/(8.*Power(Power(x,2) + Power(y,2) + Power(z,2),2));
Yx[counter] =
         (3*Sqrt(5/Pi)*z*(3*Power(x - Complex(0,1)*y,3)*(x + Complex(0,1)*y) + (-21*Power(x,2))*(-21*Power(x,2))*(-21*Power(x,2))*(-21*Power(x,2))*(-21*Power(x,2))*(-21*Power(x,2))*(-21*Power(x,2))*(-21*Power(x,2))*(-21*Power(x,2))*(-21*Power(x,2))*(-21*Power(x,2))*(-21*Power(x,2))*(-21*Power(x,2))*(-21*Power(x,2))*(-21*Power(x,2))*(-21*Power(x,2))*(-21*Power(x,2))*(-21*Power(x,2))*(-21*Power(x,2))*(-21*Power(x,2))*(-21*Power(x,2))*(-21*Power(x,2))*(-21*Power(x,2))*(-21*Power(x,2))*(-21*Power(x,2))*(-21*Power(x,2))*(-21*Power(x,2))*(-21*Power(x,2))*(-21*Power(x,2))*(-21*Power(x,2))*(-21*Power(x,2))*(-21*Power(x,2))*(-21*Power(x,2))*(-21*Power(x,2))*(-21*Power(x,2))*(-21*Power(x,2))*(-21*Power(x,2))*(-21*Power(x,2))*(-21*Power(x,2))*(-21*Power(x,2))*(-21*Power(x,2))*(-21*Power(x,2))*(-21*Power(x,2))*(-21*Power(x,2))*(-21*Power(x,2))*(-21*Power(x,2))*(-21*Power(x,2))*(-21*Power(x,2))*(-21*Power(x,2))*(-21*Power(x,2))*(-21*Power(x,2))*(-21*Power(x,2))*(-21*Power(x,2))*(-21*Power(x,2))*(-21*Power(x,2))*(-21*Power(x,2))*(-21*Power(x,2))*(-21*Power(x,2))*(-21*Power(x,2))*(-21*Power(x,2))*(-21*Power(x,2))*(-21*Power(x,2))*(-21*Power(x,2))*(-21*Power(x,2))*(-21*Power(x,2))*(-21*Power(x,2))*(-21*Power(x,2))*(-21*Power(x,2))*(-21*Power(x,2))*(-21*Power(x,2))*(-21*Power(x,2))*(-21*Power(x,2))*(-21*Power(x,2))*(-21*Power(x,2))*(-21*Power(x,2))*(-21*Power(x,2))*(-21*Power(x,2))*(-21*Power(x,2))*(-21*Power(x,2))*(-21*Power(x,2))*(-21*Power(x,2))*(-21*Power(x,2))*(-21*Power(x,2))*(-21*Power(x,2))*(-21*Power(x,2))*(-21*Power(x,2))*(-21*Power(x,2))*(-21*Power(x,2))*(-21*Power(x,2))*(-21*Power(x,2))*(-21*Power(x,2))*(-21*Power(x,2))*(-21*Power(x,2))*(-21*Power(x,2))*(-21*Power(x,2))*(-21*Power(x,2))*(-21*Power(x,2))*(-21*Power(x,2))*(-21*Power(x,2))*(-21*Power(x,2))*(-21*Power(x,2))*(-21*Power(x,2))*(-21*Power(x,2))*(-21*Power(x,2))*(-21*Power(x,2))*(-21*Power(x,2))*(-21*Power(x,2))*(-21*Power(x,2))*(-21*Power(x,2))*(-21*Power(x,2))*(-21*Power(x,2))*(-21*Power(x,2))*(-21*Power(x,2))*(-21*Power(x,2))*(-21*Power(x,2))*(-21*Power(x,2))*(-
                       + Complex (0,22) *x*y + Power(y,2)) *Power(z,2) +
                       4*Power(z,4)))/(8.*Power(Power(x,2) + Power(y,2) + Power(z,2),3));
```

```
Yy[counter] =
      (3*Sqrt(5/Pi)*z*(-3*(x + Complex(0,1)*y)*Power(Complex(0,1)*x + y,3) - Complex(0,1)*(x)
              - Complex (0,1) * y) * (x - Complex (0,21) * y) * Power (z,2) -
              Complex (0,4) * Power (z,4))) / (8.*Power (Power (x,2) + Power (y,2) + Power (z,2),3));
Yz[counter] = (-3*Sqrt(5/Pi)*(x - Complex(0,1)*y)*(3*Power(Power(x,2))*(3*Power(Power(x,2))*(3*Power(Power(x,2))*(3*Power(Power(x,2))*(3*Power(Power(x,2))*(3*Power(Power(x,2))*(3*Power(Power(x,2))*(3*Power(Power(x,2))*(3*Power(Power(x,2))*(3*Power(Power(x,2))*(3*Power(Power(x,2))*(3*Power(Power(x,2))*(3*Power(Power(x,2))*(3*Power(Power(x,2))*(3*Power(Power(x,2))*(3*Power(Power(x,2))*(3*Power(Power(x,2))*(3*Power(Power(x,2))*(3*Power(Power(x,2))*(3*Power(Power(x,2))*(3*Power(Power(x,2))*(3*Power(Power(x,2))*(3*Power(Power(x,2))*(3*Power(Power(x,2))*(3*Power(Power(x,2))*(3*Power(Power(x,2))*(3*Power(Power(x,2))*(3*Power(Power(x,2))*(3*Power(Power(x,2))*(3*Power(Power(x,2))*(3*Power(Power(x,2))*(3*Power(Power(x,2))*(3*Power(Power(x,2))*(3*Power(Power(x,2))*(3*Power(Power(x,2))*(3*Power(Power(x,2))*(3*Power(Power(x,2))*(3*Power(Power(x,2))*(3*Power(Power(x,2))*(3*Power(Power(x,2))*(3*Power(x,2))*(3*Power(x,2))*(3*Power(x,2))*(3*Power(x,2))*(3*Power(x,2))*(3*Power(x,2))*(3*Power(x,2))*(3*Power(x,2))*(3*Power(x,2))*(3*Power(x,2))*(3*Power(x,2))*(3*Power(x,2))*(3*Power(x,2))*(3*Power(x,2))*(3*Power(x,2))*(3*Power(x,2))*(3*Power(x,2))*(3*Power(x,2))*(3*Power(x,2))*(3*Power(x,2))*(3*Power(x,2))*(3*Power(x,2))*(3*Power(x,2))*(3*Power(x,2))*(3*Power(x,2))*(3*Power(x,2))*(3*Power(x,2))*(3*Power(x,2))*(3*Power(x,2))*(3*Power(x,2))*(3*Power(x,2))*(3*Power(x,2))*(3*Power(x,2))*(3*Power(x,2))*(3*Power(x,2))*(3*Power(x,2))*(3*Power(x,2))*(3*Power(x,2))*(3*Power(x,2))*(3*Power(x,2))*(3*Power(x,2))*(3*Power(x,2))*(3*Power(x,2))*(3*Power(x,2))*(3*Power(x,2))*(3*Power(x,2))*(3*Power(x,2))*(3*Power(x,2))*(3*Power(x,2))*(3*Power(x,2))*(3*Power(x,2))*(3*Power(x,2))*(3*Power(x,2))*(3*Power(x,2))*(3*Power(x,2))*(3*Power(x,2))*(3*Power(x,2))*(3*Power(x,2))*(3*Power(x,2))*(3*Power(x,2))*(3*Power(x,2))*(3*Power(x,2))*(3*Power(x,2))*(3*Power(x,2))*(3*Power(x,2))*(3*Power(x,2))*(3*Power(x,2))*(3*Power(x,2))*(3*Power(x,2))*(3*Power(x,2))*(3*Power(x,2))*(3*Power(x,2))*(3*Power(x,2))*(3*Power(x,2))*(3*Power(x,2))*(3*Power(x,2))*(3*Power(x,2))
              + Power(y,2),2) - 21* (Power(x,2) + Power(y,2)) *Power(z,2) +
              4*Power(z,4)))/(8.*Power(Power(x,2) + Power(y,2) + Power(z,2),3));
 counter++;
Y[counter] =
      (9*Power(Power(x,2) + Power(y,2),2) - 72*(Power(x,2) + Power(y,2))*Power(z,2) +
              24*Power(z,4))/(16.*Sqrt(Pi)*Power(Power(x,2) + Power(y,2) + Power(z,2),2));
Yx[counter] = (15*x*Power(z,2)*(3*(Power(x,2) + Power(y,2)) -
              4*Power(z,2))/(4.*Sqrt(Pi)*Power(Power(x,2) + Power(y,2) + Power(z,2),3));
Yy[counter] = (15*y*Power(z,2)*(3*(Power(x,2) + Power(y,2)) -
              4*Power(z,2)))/(4.*Sqrt(Pi)*Power(Power(x,2) + Power(y,2) + Power(z,2),3));
Yz[counter] = (15*(Power(x,2) + Power(y,2))*z*(-3*(Power(x,2) + Power(y,2))) + (-3*(Power(x,2) + Power(y,2)))
              4*Power(z,2))/(4.*Sqrt(Pi)*Power(Power(x,2) + Power(y,2) + Power(z,2),3));
counter++;
Y[counter] = (3*Sqrt(5/Pi)*(x + Complex(0,1)*y)*z*(3*(Power(x,2) + Power(y,2)))
              -4*Power(z,2)))/(8.*Power(Power(x,2) + Power(y,2) + Power(z,2),2));
Yx[counter] =
      (-3*Sqrt(5/Pi)*z*(3*(x - Complex(0,1)*y)*Power(x + Complex(0,1)*y,3) - (x + Complex(0,1)*y,3))
              Complex (0,1) *y) * (21*x + Complex (0,1) *y) *Power (z,2) +
              4*Power(z,4)))/(8.*Power(Power(x,2) + Power(y,2) + Power(z,2),3));
Yy[counter] =
      (Complex(0,0.375)*Sqrt(5/Pi)*z*(3*(x - Complex(0,1)*y)*Power(x + Complex(0,1)*y,3))
               - (x + Complex(0,1)*y)*(x + Complex(0,21)*y)*Power(z,2) -
              4*Power(z,4)))/Power(Power(x,2) + Power(y,2) + Power(z,2),3);
Yz[counter] =
      (3*Sqrt(5/Pi)*(x + Complex(0,1)*y)*(3*Power(Power(x,2) + Power(y,2),2) - 21*(Power(x,2))
               + Power(y,2)) *Power(z,2) + 4*Power(z,4))) / (8.*Power(Power(x,2))
              + Power(y,2) + Power(z,2),3);
 counter++;
Y[counter] = (-3*Sqrt(5/(2.*Pi))*Power(x + Complex(0,1)*y,2)*(Power(x,2) + Power(y,2))*(Power(x,2))*(Power(x,2))*(Power(x,2))*(Power(x,2))*(Power(x,2))*(Power(x,2))*(Power(x,2))*(Power(x,2))*(Power(x,2))*(Power(x,2))*(Power(x,2))*(Power(x,2))*(Power(x,2))*(Power(x,2))*(Power(x,2))*(Power(x,2))*(Power(x,2))*(Power(x,2))*(Power(x,2))*(Power(x,2))*(Power(x,2))*(Power(x,2))*(Power(x,2))*(Power(x,2))*(Power(x,2))*(Power(x,2))*(Power(x,2))*(Power(x,2))*(Power(x,2))*(Power(x,2))*(Power(x,2))*(Power(x,2))*(Power(x,2))*(Power(x,2))*(Power(x,2))*(Power(x,2))*(Power(x,2))*(Power(x,2))*(Power(x,2))*(Power(x,2))*(Power(x,2))*(Power(x,2))*(Power(x,2))*(Power(x,2))*(Power(x,2))*(Power(x,2))*(Power(x,2))*(Power(x,2))*(Power(x,2))*(Power(x,2))*(Power(x,2))*(Power(x,2))*(Power(x,2))*(Power(x,2))*(Power(x,2))*(Power(x,2))*(Power(x,2))*(Power(x,2))*(Power(x,2))*(Power(x,2))*(Power(x,2))*(Power(x,2))*(Power(x,2))*(Power(x,2))*(Power(x,2))*(Power(x,2))*(Power(x,2))*(Power(x,2))*(Power(x,2))*(Power(x,2))*(Power(x,2))*(Power(x,2))*(Power(x,2))*(Power(x,2))*(Power(x,2))*(Power(x,2))*(Power(x,2))*(Power(x,2))*(Power(x,2))*(Power(x,2))*(Power(x,2))*(Power(x,2))*(Power(x,2))*(Power(x,2))*(Power(x,2))*(Power(x,2))*(Power(x,2))*(Power(x,2))*(Power(x,2))*(Power(x,2))*(Power(x,2))*(Power(x,2))*(Power(x,2))*(Power(x,2))*(Power(x,2))*(Power(x,2))*(Power(x,2))*(Power(x,2))*(Power(x,2))*(Power(x,2))*(Power(x,2))*(Power(x,2))*(Power(x,2))*(Power(x,2))*(Power(x,2))*(Power(x,2))*(Power(x,2))*(Power(x,2))*(Power(x,2))*(Power(x,2))*(Power(x,2))*(Power(x,2))*(Power(x,2))*(Power(x,2))*(Power(x,2))*(Power(x,2))*(Power(x,2))*(Power(x,2))*(Power(x,2))*(Power(x,2))*(Power(x,2))*(Power(x,2))*(Power(x,2))*(Power(x,2))*(Power(x,2))*(Power(x,2))*(Power(x,2))*(Power(x,2))*(Power(x,2))*(Power(x,2))*(Power(x,2))*(Power(x,2))*(Power(x,2))*(Power(x,2))*(Power(x,2))*(Power(x,2))*(Power(x,2))*(Power(x,2))*(Power(x,2))*(Power(x,2))*(Power(x,2))*(Power(x,2))*(Power(x,2))*(Power(x,2))*(Power(x,2))*(Power(x,2))*(Power(x,2))*(Power(x,2))*(Power(x,2))*(Power(x,2))*(Power(
              -6*Power(z,2)))/(8.*Power(Power(x,2) + Power(y,2) + Power(z,2),2));
Yx[counter] =
      (3*Sqrt(5/(2.*Pi))*(x + Complex(0,1)*y)*(Power(x + Complex(0,1)*y,2)*y*(Complex(0,1)*x)*(Power(x + Complex(0,1)*y,2)*(Power(x + Complex(0,1)*y,2)*(Power(x + Complex(0,1)*x)*(Power(x + Complex(0,1)*x)*(Power(x
              + y) - (x + Complex(0,1)*y)*(8*x + Complex(0,5)*y)*Power(z,2) +
              6*Power(z,4)))/(4.*Power(Power(x,2) + Power(y,2) + Power(z,2),3));
Yy[counter] = (3*Sqrt(5/(2.*Pi))*(Complex(0,-1)*x + y)*(x*(x - Complex(0,1)*y)*Power(x + y)*(x*(x - Complex(0,1)*y)*(x*(x - C
              Complex (0,1) * y,2) - (x + Complex (0,1) * y) * (5*x + Complex (0,8) * y) * Power (z,2)
              -6*Power(z,4)))/(4.*Power(Power(x,2) + Power(y,2) + Power(z,2),3));
```

```
Yz[counter] =
      (3*Sqrt(5/(2.*Pi))*Power(x + Complex(0,1)*y,2)*z*(4*(Power(x,2) + Power(y,2))
              -3*Power(z,2)))/(2.*Power(Power(x,2) + Power(y,2) + Power(z,2),3));
 counter++;
Y[counter] = (-3*Sqrt(35/Pi)*Power(x +
              Complex(0,1)*y,3)*z)/(8.*Power(Power(x,2) + Power(y,2) + Power(z,2),2));
Yx[counter] =
     (3*Sqrt(35/Pi)*Power(x + Complex(0,1)*y,2)*z*(Power(x,2) + Complex(0,4)*x*y -
              3*(Power(y,2) + Power(z,2))))/(8.*Power(Power(x,2) + Power(y,2) + Power(z,2),3));
Yy[counter] =
      (Complex(0,-0.375) *Sqrt(35/Pi) *Power(x + Complex(0,1) *y,2) *z*(3*Power(x,2) + Complex(0,1) *z*(3*Power(x,2) + Compl
              \texttt{Complex}\,(\textbf{0,4}) \star \textbf{x} \star \textbf{y} \; - \; \texttt{Power}\,(\textbf{y,2}) \; + \; 3 \star \texttt{Power}\,(\textbf{z,2})\,)\,)\,/ \texttt{Power}\,(\texttt{Power}\,(\textbf{x,2}))
              + Power (y,2) + Power (z,2), 3);
Yz[counter] = (-3*Sqrt(35/Pi)*Power(x + Complex(0,1)*y,3)*(Power(x,2) + Power(y,2))
              -3*Power(z,2)))/(8.*Power(Power(x,2) + Power(y,2) + Power(z,2),3));
 counter++;
Y[counter] = (3*Sqrt(35/(2.*Pi))*Power(x +
              Complex(0,1)*y,4))/(16.*Power(Power(x,2) + Power(y,2) + Power(z,2),2));
Yx[counter] =
     (3*Sqrt(35/(2.*Pi))*Power(x + Complex(0,1)*y,3)*(Complex(0,-1)*x*y + Power(y,2))
              + Power(z,2)))/(4.*Power(Power(x,2) + Power(y,2) + Power(z,2),3));
Yy[counter] =
      (Complex(0,0.75) *Sqrt(35/(2.*Pi)) *Power(x + Complex(0,1) *y,3) *(Power(x,2) + Complex(0,0.75) *Sqrt(35/(2.*Pi)) *Power(x,2) + Complex(0,0.75) *Sqrt(35/(2.*Pi)) *Sqrt(35/(2.*Pi)
              Complex(0,1)*x*y + Power(z,2)))/Power(Power(x,2) + Power(y,2) + Power(z,2),3);
Yz[counter] = (-3*Sqrt(35/(2.*Pi))*Power(x +
               \texttt{Complex} (0,1) \star y, 4) \star z) / (4. \star \texttt{Power} (\texttt{Power} (x,2) + \texttt{Power} (y,2) + \texttt{Power} (z,2), 3)); 
counter++;
 if (l == 4) return;
Y[counter] = (3*Sqrt(77/Pi)*Power(x -
              Complex(0,1) \star y,5) / (32.\star Power(Power(x,2) + Power(y,2) + Power(z,2),2.5));
Yx[counter] =
     (15*Sqrt(77/Pi)*Power(x - Complex(0,1)*y,4)*(Complex(0,1)*x*y + Power(y,2) + (15*Sqrt(77/Pi)*Power(x,2))
              Power(z,2)))/(32.*Power(Power(x,2) + Power(y,2) + Power(z,2),3.5));
Yy[counter] = (Complex(0,-0.46875)*Sqrt(77/Pi)*Power(x - Complex(0,1)*y,4)*(Power(x,2) - Com
               \texttt{Complex} (0,1) * x * y + \texttt{Power} (z,2))) / \texttt{Power} (\texttt{Power} (x,2) + \texttt{Power} (y,2) + \texttt{Power} (z,2),3.5); 
Yz[counter] = (-15*Sqrt(77/Pi)*Power(x -
              Complex (0,1) * y, 5) * z) / (32.*Power(Power(x,2) + Power(y,2) + Power(z,2),3.5));
counter++;
Y[counter] = (3*Sqrt(385/(2.*Pi))*Power(x -
              Complex (0,1) * y, 4) * z / (16.*Power(Power(x,2) + Power(y,2) + Power(z,2),2.5));
```

```
Yx[counter] =
          (-3*Sqrt(385/(2.*Pi))*Power(x - Complex(0,1)*y,3)*z*(Power(x,2) - Complex(0,5)*x*y - Co
                          4*(Power(y,2) + Power(z,2)))/(16.*Power(Power(x,2) + Power(y,2) + Power(z,2),3.5));
Yy[counter] =
          (Complex(0,-0.1875)*Sqrt(385/(2.*Pi))*Power(x - Complex(0,1)*y,3)*z*(4*Power(x,2))*Power(x,2)*(2.*Pi)*Power(x,2)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.
                           - Complex (0,5) *x*y - Power (y,2) + 4*Power(z,2)) / Power (Power (x,2)
                          + Power (y,2) + Power (z,2), 3.5);
Yz[counter] =
          (3*Sqrt(385/(2.*Pi))*Power(x - Complex(0,1)*y,4)*(Power(x,2) + Power(y,2) - (3*Sqrt(385/(2.*Pi)))*Power(x,2) + (3*Sqrt(385/(2.*Pi))*Power(x,2) + (3*Sqrt(385/(2.*Pi)))*Power(x,2) + (3*Sqrt(385/(2.*Pi))*Power(x,2) + (3*Sqrt(385/(2.*Pi)))*Power(x,2) + (3*Sqrt(38
                          4*Power(z,2)))/(16.*Power(Power(x,2) + Power(y,2) + Power(z,2),3.5));
  counter++;
Y[counter] = -(Sqrt(385/Pi)*Power(x - Complex(0,1)*y,3)*(Power(x,2) + Power(y,2)) + (Sqrt(385/Pi)*Power(y,2)) + 
                          -8*Power(z,2))/(32.*Power(Power(x,2) + Power(y,2) + Power(z,2),2.5));
Yx[counter] = (3*Sqrt(385/Pi)*Power(x -
                          \texttt{Complex}\,(\textbf{0,1})\,\star \textbf{y,2})\star (\texttt{Power}\,(\textbf{x}\,\,-\,\,\texttt{Complex}\,(\textbf{0,1})\,\star \textbf{y,2})\,\star \textbf{y}\star (\texttt{Complex}\,(\textbf{0,-1})\,\star \textbf{x})
                          + y) - 7*Power(x - Complex(0,1)*y,2)*Power(z,2) +
                          8*Power(z,4)))/(32.*Power(Power(x,2) + Power(y,2) + Power(z,2),3.5));
Yy[counter] = (Complex(0,0.09375)*Sqrt(385/Pi)*Power(x - Complex(0,1)*y,2)*(x*Power(x - Com
                           \texttt{Complex} (0,1) * y,2) * (x + \texttt{Complex} (0,1) * y) - 7 * \texttt{Power} (x - \texttt{Complex} (0,1) * y,2) * \texttt{Power} (z,2) 
                          -8*Power(z,4)))/Power(Power(x,2) + Power(y,2) + Power(z,2),3.5);
Yz[counter] =
         (3*Sqrt(385/Pi)*Power(x - Complex(0,1)*y,3)*z*(7*(Power(x,2) + Power(y,2)) - Complex(0,1)*y,3)*z*(7*(Power(x,2) + Power(y,2)) - Complex(0,1)*y,3)*z*(7*(Power(x,2) + Power(y,2)) - Complex(0,1)*y,3)*z*(7*(Power(x,2) + Power(y,2))) - Complex(0,1)*y,3)*z*(7*(Power(x,2) + Power(x,2))) - Complex(0,1)*z*(Power(x,2) + Power(x,2)) - Complex(0,1)*z*(Power(x,
                          8*Power(z,2))/(32.*Power(Power(x,2) + Power(y,2) + Power(z,2),3.5));
 counter++;
Y[counter] =
         -\left(\mathsf{Sqrt}(\mathsf{1155}/\left(2.*\mathsf{Pi}\right)\right)*\mathsf{Power}\left(x\ -\ \mathsf{Complex}\left(\mathsf{0},\!1\right)*\mathsf{y},\!2\right)*z*\left(\mathsf{Power}\left(x,\!2\right)\ +\ \mathsf{Power}\left(y,\!2\right)\ -\right)
                          2*Power(z,2)))/(8.*Power(Power(x,2) + Power(y,2) + Power(z,2),2.5));
Yx[counter] =
           (\mathsf{Sqrt}\,(\mathsf{1155}/\,(\mathsf{2.*Pi})\,)\,\,\star\,(\mathsf{x}\,\,-\,\,\mathsf{Complex}\,(\mathsf{0,1})\,\,\star\,\mathsf{y})\,\,\star\,\mathsf{z}\,\star\,(\,\mathsf{Power}\,(\mathsf{x}\,\,-\,\,\mathsf{Complex}\,(\mathsf{0,1})\,\,\star\,\mathsf{y}\,,\mathsf{2})\,\star\,(\mathsf{x}\,\,\,+\,\,\mathsf{20})
                          Complex (0,1) * y) * (x - Complex (0,2) * y) + 2 * (-5 * Power (x,2))
                           + Complex (0,6) *x*y + Power(y,2)) *Power(z,2) +
                          4*Power(z,4)))/(8.*Power(Power(x,2) + Power(y,2) + Power(z,2),3.5));
Yy[counter] =
          (Sqrt(1155/(2.*Pi))*(Complex(0,1)*x + y)*z*(Power(x - Complex(0,1)*y,2)*(2*Power(x,2))*(2*Power(x,2))*(2*Power(x,2))*(2*Power(x,2))*(2*Power(x,2))*(2*Power(x,2))*(2*Power(x,2))*(2*Power(x,2))*(2*Power(x,2))*(2*Power(x,2))*(2*Power(x,2))*(2*Power(x,2))*(2*Power(x,2))*(2*Power(x,2))*(2*Power(x,2))*(2*Power(x,2))*(2*Power(x,2))*(2*Power(x,2))*(2*Power(x,2))*(2*Power(x,2))*(2*Power(x,2))*(2*Power(x,2))*(2*Power(x,2))*(2*Power(x,2))*(2*Power(x,2))*(2*Power(x,2))*(2*Power(x,2))*(2*Power(x,2))*(2*Power(x,2))*(2*Power(x,2))*(2*Power(x,2))*(2*Power(x,2))*(2*Power(x,2))*(2*Power(x,2))*(2*Power(x,2))*(2*Power(x,2))*(2*Power(x,2))*(2*Power(x,2))*(2*Power(x,2))*(2*Power(x,2))*(2*Power(x,2))*(2*Power(x,2))*(2*Power(x,2))*(2*Power(x,2))*(2*Power(x,2))*(2*Power(x,2))*(2*Power(x,2))*(2*Power(x,2))*(2*Power(x,2))*(2*Power(x,2))*(2*Power(x,2))*(2*Power(x,2))*(2*Power(x,2))*(2*Power(x,2))*(2*Power(x,2))*(2*Power(x,2))*(2*Power(x,2))*(2*Power(x,2))*(2*Power(x,2))*(2*Power(x,2))*(2*Power(x,2))*(2*Power(x,2))*(2*Power(x,2))*(2*Power(x,2))*(2*Power(x,2))*(2*Power(x,2))*(2*Power(x,2))*(2*Power(x,2))*(2*Power(x,2))*(2*Power(x,2))*(2*Power(x,2))*(2*Power(x,2))*(2*Power(x,2))*(2*Power(x,2))*(2*Power(x,2))*(2*Power(x,2))*(2*Power(x,2))*(2*Power(x,2))*(2*Power(x,2))*(2*Power(x,2))*(2*Power(x,2))*(2*Power(x,2))*(2*Power(x,2))*(2*Power(x,2))*(2*Power(x,2))*(2*Power(x,2))*(2*Power(x,2))*(2*Power(x,2))*(2*Power(x,2))*(2*Power(x,2))*(2*Power(x,2))*(2*Power(x,2))*(2*Power(x,2))*(2*Power(x,2))*(2*Power(x,2))*(2*Power(x,2))*(2*Power(x,2))*(2*Power(x,2))*(2*Power(x,2))*(2*Power(x,2))*(2*Power(x,2))*(2*Power(x,2))*(2*Power(x,2))*(2*Power(x,2))*(2*Power(x,2))*(2*Power(x,2))*(2*Power(x,2))*(2*Power(x,2))*(2*Power(x,2))*(2*Power(x,2))*(2*Power(x,2))*(2*Power(x,2))*(2*Power(x,2))*(2*Power(x,2))*(2*Power(x,2))*(2*Power(x,2))*(2*Power(x,2))*(2*Power(x,2))*(2*Power(x,2))*(2*Power(x,2))*(2*Power(x,2))*(2*Power(x,2))*(2*Power(x,2))*(2*Power(x,2))*(2*Power(x,2))*(2*Power(x,2))*(2*Power(x,2))*(2*Power(x,2))*(2*Power(x,2))*(2*Power(x,2))*(2*Power(x,2))*(2*Powe
                          + Complex(0,1) *x*y + Power(y,2)) - 2*(x - y)
                          Complex (0,1) * y) * (x - Complex (0,5) * y) * Power (z,2) -
                          4*Power(z,4)))/(8.*Power(Power(x,2) + Power(y,2) + Power(z,2),3.5));
Yz[counter] =
         -(Sqrt(1155/(2.*Pi))*Power(x - Complex(0,1)*y,2)*(Power(Power(x,2) + Power(y,2),2))
                          - 10*(Power(x,2) + Power(y,2))*Power(z,2) +
                          4*Power(z,4)))/(8.*Power(Power(x,2) + Power(y,2) + Power(z,2),3.5));
  counter++;
```

```
Y[counter] = (Sqrt(165/(2.*Pi))*(x - Complex(0,1)*y)*(Power(Power(x,2))
             + Power(y,2),2) - 12* (Power(x,2) + Power(y,2)) *Power(z,2) +
            8*Power(z,4)))/(16.*Power(Power(x,2) + Power(y,2) + Power(z,2),2.5));
Yx[counter] =
     (Sqrt(165/(2.*Pi))*(-(Power(x + Complex(0,1)*y,2)*y*Power(Complex(0,1)*x + y,3))
            + Power (x - Complex(0,1) * y, 2) * (x + Complex(0,1) * y) * (29 * x)
            - Complex (0,11) * y) * Power(z,2) - 4* (x - y)
            Complex (0,1) * y) * (17*x + Complex (0,1) * y) * Power (z,4) +
            8*Power(z,6)))/(16.*Power(Power(x,2) + Power(y,2) + Power(z,2),3.5));
Yy[counter] =
     (Complex(0,-0.0625)*Sqrt(165/(2.*Pi))*(x*Power(x - Complex(0,1)*y,3)*Power(x))
            + Complex (0,1) * y,2) - Power (x - Complex (0,1) * y,2) * (x + y,2) * (x 
            Complex (0,1) * y) * (11*x - Complex (0,29) * y) * Power (z,2) -
            4*(x - Complex(0,1)*y)*(x + Complex(0,17)*y)*Power(z,4) +
            8 \times Power(z,6)))/Power(Power(x,2) + Power(y,2) + Power(z,2),3.5);
Yz[counter] =
    -(\operatorname{Sqrt}(165/(2.*Pi))*(x - \operatorname{Complex}(0,1)*y)*z*(29*\operatorname{Power}(\operatorname{Power}(x,2) + \operatorname{Power}(y,2),2))
            -68*(Power(x,2) + Power(y,2))*Power(z,2) +
            8*Power(z,4))/(16.*Power(Power(x,2) + Power(y,2) + Power(z,2),3.5));
 counter++;
Y[counter] = (Sqrt(11/Pi) *z* (15*Power(Power(x,2)))
             + Power(y,2),2) - 40*(Power(x,2) + Power(y,2))*Power(z,2) +
            8*Power(z,4)))/(16.*Power(Power(x,2) + Power(y,2) + Power(z,2),2.5));
Yx[counter] = (-15*Sqrt(11/Pi)*x*z*(Power(Power(x,2))
            + Power(y,2),2) - 12* (Power(x,2) + Power(y,2)) *Power(z,2) +
            8*Power(z,4)))/(16.*Power(Power(x,2) + Power(y,2) + Power(z,2),3.5));
Yy[counter] = (-15*Sqrt(11/Pi)*y*z*(Power(Power(x,2))
            + Power(y,2),2) - 12*(Power(x,2) + Power(y,2))*Power(z,2) +
            8*Power(z,4)))/(16.*Power(Power(x,2) + Power(y,2) + Power(z,2),3.5));
Yz[counter] =
     (15*Sqrt(11/Pi)*(Power(x,2) + Power(y,2))*(Power(Power(x,2) + Power(y,2),2))
            -12*(Power(x,2) + Power(y,2))*Power(z,2) +
            8*Power(z,4))/(16.*Power(Power(x,2) + Power(y,2) + Power(z,2),3.5));
counter++;
Y[counter] =
    -(Sqrt(165/(2.*Pi))*(x + Complex(0,1)*y)*(Power(Power(x,2) + Power(y,2),2) -
            12*(Power(x,2) + Power(y,2))*Power(z,2) +
            8*Power(z,4))/(16.*Power(Power(x,2) + Power(y,2) + Power(z,2),2.5));
Yx[counter] = (Sqrt(165/(2.*Pi))*(Complex(0,1)*Power(x -
            \texttt{Complex}\,(\textbf{0,1})\,\star\textbf{y}\,,\textbf{2})\,\star\textbf{Power}\,(\textbf{x}\,\,+\,\,\texttt{Complex}\,(\textbf{0,1})\,\star\textbf{y}\,,\textbf{3})\,\star\textbf{y}\,\,-\,\,(\textbf{x}\,\,-\,\,\texttt{Complex}\,(\textbf{0,1})\,\star\textbf{y})\,\star\textbf{Power}\,(\textbf{x}\,\,+\,\,\texttt{Complex}\,(\textbf{0,1})\,\star\textbf{y})\,\star\textbf{Power}\,(\textbf{x}\,\,+\,\,\texttt{Complex}\,(\textbf{0,1})\,\star\textbf{y})\,\star\textbf{Power}\,(\textbf{x}\,\,+\,\,\texttt{Complex}\,(\textbf{0,1})\,\star\textbf{y})\,\star\textbf{Power}\,(\textbf{x}\,\,+\,\,\texttt{Complex}\,(\textbf{0,1})\,\star\textbf{y})\,\star\textbf{Power}\,(\textbf{x}\,\,+\,\,\texttt{Complex}\,(\textbf{0,1})\,\star\textbf{y})\,\star\textbf{Power}\,(\textbf{x}\,\,+\,\,\texttt{Complex}\,(\textbf{0,1})\,\star\textbf{y})\,\star\textbf{Power}\,(\textbf{x}\,\,+\,\,\texttt{Complex}\,(\textbf{0,1})\,\star\textbf{y})\,\star\textbf{Power}\,(\textbf{x}\,\,+\,\,\texttt{Complex}\,(\textbf{0,1})\,\star\textbf{y})\,\star\textbf{Power}\,(\textbf{x}\,\,+\,\,\texttt{Complex}\,(\textbf{0,1})\,\star\textbf{y})\,\star\textbf{Power}\,(\textbf{x}\,\,+\,\,\texttt{Complex}\,(\textbf{0,1})\,\star\textbf{y})\,\star\textbf{Power}\,(\textbf{x}\,\,+\,\,\texttt{Complex}\,(\textbf{0,1})\,\star\textbf{y})\,\star\textbf{Power}\,(\textbf{x}\,\,+\,\,\texttt{Complex}\,(\textbf{0,1})\,\star\textbf{y})\,\star\textbf{Power}\,(\textbf{x}\,\,+\,\,\texttt{Complex}\,(\textbf{0,1})\,\star\textbf{y})\,\star\textbf{Power}\,(\textbf{x}\,\,+\,\,\texttt{Complex}\,(\textbf{0,1})\,\star\textbf{y})\,\star\textbf{Power}\,(\textbf{x}\,\,+\,\,\texttt{Complex}\,(\textbf{0,1})\,\star\textbf{y})\,\star\textbf{Power}\,(\textbf{x}\,\,+\,\,\texttt{Complex}\,(\textbf{0,1})\,\star\textbf{y})\,\star\textbf{Power}\,(\textbf{x}\,\,+\,\,\texttt{Complex}\,(\textbf{0,1})\,\star\textbf{y})\,\star\textbf{Power}\,(\textbf{x}\,\,+\,\,\texttt{Complex}\,(\textbf{0,1})\,\star\textbf{y})\,\star\textbf{Power}\,(\textbf{x}\,\,+\,\,\texttt{Complex}\,(\textbf{0,1})\,\star\textbf{y})\,\star\textbf{Power}\,(\textbf{x}\,\,+\,\,\texttt{Complex}\,(\textbf{0,1})\,\star\textbf{y})\,\star\textbf{Power}\,(\textbf{x}\,\,+\,\,\texttt{Complex}\,(\textbf{0,1})\,\star\textbf{y})\,\star\textbf{Power}\,(\textbf{x}\,\,+\,\,\texttt{Complex}\,(\textbf{0,1})\,\star\textbf{y})\,\star\textbf{Power}\,(\textbf{x}\,\,+\,\,\texttt{Complex}\,(\textbf{0,1})\,\star\textbf{y})\,\star\textbf{Power}\,(\textbf{x}\,\,+\,\,\texttt{Complex}\,(\textbf{0,1})\,\star\textbf{y})\,\star\textbf{Power}\,(\textbf{x}\,\,+\,\,\texttt{Complex}\,(\textbf{0,1})\,\star\textbf{y})\,\star\textbf{Power}\,(\textbf{x}\,\,+\,\,\texttt{Complex}\,(\textbf{0,1})\,\star\textbf{y})\,\star\textbf{Power}\,(\textbf{x}\,\,+\,\,\texttt{Complex}\,(\textbf{0,1})\,\star\textbf{y})\,\star\textbf{Power}\,(\textbf{x}\,\,+\,\,\texttt{Complex}\,(\textbf{0,1})\,\star\textbf{y})\,\star\textbf{Power}\,(\textbf{x}\,\,+\,\,\texttt{Complex}\,(\textbf{0,1})\,\star\textbf{y})\,\star\textbf{Power}\,(\textbf{x}\,\,+\,\,\texttt{Complex}\,(\textbf{0,1})\,\star\textbf{y})\,\star\textbf{Power}\,(\textbf{0,1})\,\star\textbf{Power}\,(\textbf{0,1})\,\star\textbf{Power}\,(\textbf{0,1})\,\star\textbf{Power}\,(\textbf{0,1})\,\star\textbf{Power}\,(\textbf{0,1})\,\star\textbf{Power}\,(\textbf{0,1})\,\star\textbf{Power}\,(\textbf{0,1})\,\star\textbf{Power}\,(\textbf{0,1})\,\star\textbf{Power}\,(\textbf{0,1})\,\star\textbf{Power}\,(\textbf{0,1})\,\star\textbf{Power}\,(\textbf{0,1})\,\star\textbf{Power}\,(\textbf{0,1})\,\star\textbf{Power}\,(\textbf{0,1})\,\star\textbf{Power}\,(\textbf{0,1})\,\star\textbf{Power}\,(\textbf{0,1})\,\star\textbf{Power}\,(\textbf{0,1})\,\star\textbf{Power}\,(\textbf{0,1})\,\star\textbf{Power}\,(\textbf{0,1})\,\star\textbf{Power}\,(\textbf{0,1})\,\star\textbf{Power}\,(\textbf{0,1})\,\star\textbf{Power}\,(\textbf{0,1})\,\star\textbf{Power}\,(\textbf{0,1})\,\star\textbf{Power}\,(\textbf{0,1})\,\star\textbf{Power}\,(\textbf{0,1})\,\star\textbf{Power}\,(\textbf{0,1})\,\star\textbf{Power}\,(\textbf{0,1})\,\star\textbf{Powe
            + Complex (0,1)*y,2)*(29*x + Complex (0,11)*y)*Power (z,2) +
            4*(17*Power(x,2) + Complex(0,16)*x*y + Power(y,2))*Power(z,4) -
            8*Power(z,6)))/(16.*Power(Power(x,2) + Power(y,2) + Power(z,2),3.5));
```

```
Yy[counter] =
   (Complex(0,-0.0625)*Sqrt(165/(2.*Pi))*(x*Power(x - Complex(0,1)*y,2)*Power(x))
      Complex (0,1) *y,2) * (11*x + Complex (0,29) *y) *Power (z,2) -
      4*(x + Complex(0,1)*y)*(x - Complex(0,17)*y)*Power(z,4) +
      8*Power(z,6)))/Power(Power(x,2) + Power(y,2) + Power(z,2),3.5);
Yz[counter] =
  \left(\mathsf{Sqrt}\left(\mathsf{165}/\left(2.\star\mathsf{Pi}\right)\right)\star\left(\mathsf{X}\ +\ \mathsf{Complex}\left(\mathfrak{0},\mathsf{1}\right)\star\mathsf{y}\right)\star\mathsf{z}\star\left(29\star\mathsf{Power}\left(\mathsf{Power}\left(\mathsf{x},\mathsf{2}\right)\right)\ +\ \mathsf{Power}\left(\mathsf{y},\mathsf{2}\right),\mathsf{2}\right)\right)
      -68*(Power(x,2) + Power(y,2))*Power(z,2) +
      8*Power(z,4))/(16.*Power(Power(x,2) + Power(y,2) + Power(z,2),3.5));
counter++;
Y[counter] =
  -(Sqrt(1155/(2.*Pi))*Power(x + Complex(0,1)*y,2)*z*(Power(x,2) + Power(y,2) -
      2*Power(z,2)))/(8.*Power(Power(x,2) + Power(y,2) + Power(z,2),2.5));
Yx[counter] = (Sqrt(1155/(2.*Pi))*(x + Complex(0,1)*y)*z*((x)
      - Complex(0,1)*y) *Power(x + Complex(0,1)*y,2)*(x + Complex(0,2)*y)
      -2*(x + Complex(0,1)*y)*(5*x + Complex(0,1)*y)*Power(z,2) +
      4*Power(z,4)))/(8.*Power(Power(x,2) + Power(y,2) + Power(z,2),3.5));
Yy[counter] =
   (Sqrt(1155/(2.*Pi))*(Complex(0,-1)*x + y)*z*(Power(x + Complex(0,1)*y,2)*(2*Power(x,2))*(2*Power(x,2))*(2*Power(x,2))*(2*Power(x,2))*(2*Power(x,2))*(2*Power(x,2))*(2*Power(x,2))*(2*Power(x,2))*(2*Power(x,2))*(2*Power(x,2))*(2*Power(x,2))*(2*Power(x,2))*(2*Power(x,2))*(2*Power(x,2))*(2*Power(x,2))*(2*Power(x,2))*(2*Power(x,2))*(2*Power(x,2))*(2*Power(x,2))*(2*Power(x,2))*(2*Power(x,2))*(2*Power(x,2))*(2*Power(x,2))*(2*Power(x,2))*(2*Power(x,2))*(2*Power(x,2))*(2*Power(x,2))*(2*Power(x,2))*(2*Power(x,2))*(2*Power(x,2))*(2*Power(x,2))*(2*Power(x,2))*(2*Power(x,2))*(2*Power(x,2))*(2*Power(x,2))*(2*Power(x,2))*(2*Power(x,2))*(2*Power(x,2))*(2*Power(x,2))*(2*Power(x,2))*(2*Power(x,2))*(2*Power(x,2))*(2*Power(x,2))*(2*Power(x,2))*(2*Power(x,2))*(2*Power(x,2))*(2*Power(x,2))*(2*Power(x,2))*(2*Power(x,2))*(2*Power(x,2))*(2*Power(x,2))*(2*Power(x,2))*(2*Power(x,2))*(2*Power(x,2))*(2*Power(x,2))*(2*Power(x,2))*(2*Power(x,2))*(2*Power(x,2))*(2*Power(x,2))*(2*Power(x,2))*(2*Power(x,2))*(2*Power(x,2))*(2*Power(x,2))*(2*Power(x,2))*(2*Power(x,2))*(2*Power(x,2))*(2*Power(x,2))*(2*Power(x,2))*(2*Power(x,2))*(2*Power(x,2))*(2*Power(x,2))*(2*Power(x,2))*(2*Power(x,2))*(2*Power(x,2))*(2*Power(x,2))*(2*Power(x,2))*(2*Power(x,2))*(2*Power(x,2))*(2*Power(x,2))*(2*Power(x,2))*(2*Power(x,2))*(2*Power(x,2))*(2*Power(x,2))*(2*Power(x,2))*(2*Power(x,2))*(2*Power(x,2))*(2*Power(x,2))*(2*Power(x,2))*(2*Power(x,2))*(2*Power(x,2))*(2*Power(x,2))*(2*Power(x,2))*(2*Power(x,2))*(2*Power(x,2))*(2*Power(x,2))*(2*Power(x,2))*(2*Power(x,2))*(2*Power(x,2))*(2*Power(x,2))*(2*Power(x,2))*(2*Power(x,2))*(2*Power(x,2))*(2*Power(x,2))*(2*Power(x,2))*(2*Power(x,2))*(2*Power(x,2))*(2*Power(x,2))*(2*Power(x,2))*(2*Power(x,2))*(2*Power(x,2))*(2*Power(x,2))*(2*Power(x,2))*(2*Power(x,2))*(2*Power(x,2))*(2*Power(x,2))*(2*Power(x,2))*(2*Power(x,2))*(2*Power(x,2))*(2*Power(x,2))*(2*Power(x,2))*(2*Power(x,2))*(2*Power(x,2))*(2*Power(x,2))*(2*Power(x,2))*(2*Power(x,2))*(2*Power(x,2))*(2*Power(x,2))*(2*Power(x,2))*(2*Power(x,2))*(2*Power(x,2))*(2*Power(x,2))*(2*Pow
      - Complex(0,1) *x*y + Power(y,2)) - 2*(x +
      Complex (0,1)*y* (x + Complex (0,5)*y)*Power (z,2) -
      4*Power(z,4)))/(8.*Power(Power(x,2) + Power(y,2) + Power(z,2),3.5));
Yz[counter] =
  -(Sqrt(1155/(2.*Pi))*Power(x + Complex(0,1)*y,2)*(Power(Power(x,2) + Power(y,2),2))
       - 10*(Power(x,2) + Power(y,2))*Power(z,2) +
      4*Power(z,4)))/(8.*Power(Power(x,2) + Power(y,2) + Power(z,2),3.5));
counter++;
Y[counter] = (Sqrt(385/Pi)*Power(x + Complex(0,1)*y,3)*(Power(x,2) + Power(y,2))
       -8*Power(z,2))/(32.*Power(Power(x,2) + Power(y,2) + Power(z,2),2.5));
Yx[counter] =
   (3*Sqrt(385/Pi)*Power(x + Complex(0,1)*y,2)*(Complex(0,-1)*(x - Complex(0,1)*y)*Power(x))
      + Complex(0,1)*y,2)*y + 7*Power(x + Complex(0,1)*y,2)*Power(z,2) -
      8*Power(z,4)))/(32.*Power(Power(x,2) + Power(y,2) + Power(z,2),3.5));
Yy[counter] = (Complex(0,0.09375)*Sqrt(385/Pi)*Power(x)
      + Complex (0,1) *y,2) * (x*(x - Complex (0,1) *y) *Power(x +
      Complex (0,1) *y,2) - 7*Power(x + Complex (0,1) *y,2) *Power(z,2) -
      8*Power(z,4)))/Power(Power(x,2) + Power(y,2) + Power(z,2),3.5);
Yz[counter] =
   -8*Power(z,2))/(32.*Power(Power(x,2) + Power(y,2) + Power(z,2),3.5));
counter++;
```

```
Y[counter] = (3*Sqrt(385/(2.*Pi))*Power(x +
                Complex (0,1) * y,4) * z / (16.*Power(Power(x,2) + Power(y,2) + Power(z,2),2.5));
Yx[counter] =
      (-3*Sqrt(385/(2.*Pi))*Power(x + Complex(0,1)*y,3)*z*(Power(x,2) + Complex(0,5)*x*y - (-3*Sqrt(385/(2.*Pi)))*Power(x,2) + (-3*Sqrt(385/(2
                4*(Power(y,2) + Power(z,2)))/(16.*Power(Power(x,2) + Power(y,2) + Power(z,2),3.5));
Yy[counter] =
       (Complex(0,0.1875)*Sqrt(385/(2.*Pi))*Power(x + Complex(0,1)*y,3)*z*(4*Power(x,2))*Power(x,2))
                + Complex (0,5) *x*y - Power (y,2) + 4*Power(z,2)) / Power (Power (x,2)
                + Power(y,2) + Power(z,2),3.5);
Yz[counter] =
      (3*Sqrt(385/(2.*Pi))*Power(x + Complex(0,1)*y,4)*(Power(x,2) + Power(y,2) - Power(x,2))
                4*Power(z,2))/(16.*Power(Power(x,2) + Power(y,2) + Power(z,2),3.5));
counter++;
Y[counter] = (-3*Sqrt(77/Pi)*Power(x +
                Complex(0,1)*y,5))/(32.*Power(Power(x,2) + Power(y,2) + Power(z,2),2.5));
Yx[counter] = (Complex(0,0.46875)*Sqrt(77/Pi)*Power(x)
                + Complex (0,1) * y,4) * (x*y + Complex (0,1) * (Power (y,2) +
                Power (z,2)))) / Power (Power (x,2) + Power (y,2) + Power (z,2), 3.5);
Yy[counter] = (Complex(0,-0.46875)*Sqrt(77/Pi)*Power(x + Complex(0,1)*y,4)*(Power(x,2) + Complex(0,1)*y,4)*(Power(x,2)) + (Complex(0,1)*y,4)*(Power(x,2)) + (Complex(0,1)*y,4)*(Power(x,2)*y,4)*(Power(x,2)*y,4)*(Power(x,2)*y,4)*(Power(x,2)*y,4)*(Power(x,2)*y,4)*(Power(x,2)*y,4)*(Power(x,2)*y,4)*(Power(x,2)*y,4)*(Power(x,2)*y,4)*(Power(x,2)*y,4)*(Power(x,2)*y,4)*(Power(x,2)*y,4)*(Power(x,2)*y,4)*(Power(x,2)*y,4)*(Power(x,2)*y,4)*(Power(x,2)*y,4)*(Power(x,2)*y,4)*(Power(x,2)*y,4)*(Power(x,2)*y,4)*(Power(x,2)*y,4)*(Power(x,2)*y,4)*(Power(x,2)*y,4)*(Power(x,2)*y,4)*(Power(x,2)*y,4)*(Power(x,2)*y,4)*(Power(x,2)*y,4)*(Power(x,2)*y,4)*(Power(x,2)*y,4)*(Power(x,2)*y,4)*(Power(x,2)*y,4)*(Power(x,2)*y,4)*(Power(x,2)*y,4)*(Power(x,2)*y,4)*(Power(x,2)*y,4)*(Power(x,2)*y,4)*(Power(x,2)*y,4)*(Power(x,2)*y,4)*(Power(x,2)*y,4)*(Power(x,2)*y,4)*(Power(x,2)*y,4)*(Power(x,2)*y,4)*(Power(x,2)*y,4)*(Power(x,2)*y,4)*(Power(x,2)*y,4)*(Power(x,2)*y,4)*(Power(x,2)*y,4)*(Power(x,2)*y,4)*(Power(x,2)*y,4)*(Power(x,2)*y,4)*(Power(x,2)*y,4)*(Power(x,2)*y,4)*(Power(x,2)*y,4)*(Power(x,2)*y,4)*(Power(x,2)*y,4)*(Power(x,2)*y,4)*(Power(x,2)*y,4)*(Power(x,2)*y,4)*(Power(x,2)*y,4)*(Power(x,2)*y,4)*(Power(x,2)*y,4)*(Power(x,2)*y,4)*(Power(x,2)*y,4)*(Power(x,2)*y,4)*(Power(x,2)*y,4)*(Power(x,2)*y,4)*(Power(x,2)*y,4)*(Power(x,2)*y,4)*(Power(x,2)*y,4)*(Power(x,2)*y,4)*(Power(x,2)*y,4)
                \texttt{Complex}(0,1) * x * y + \texttt{Power}(z,2))) / \texttt{Power}(\texttt{Power}(x,2) + \texttt{Power}(y,2) + \texttt{Power}(z,2),3.5);
Yz[counter] = (15*Sqrt(77/Pi)*Power(x +
                Complex (0,1) * y, 5) * z / (32.*Power(Power(x,2) + Power(y,2) + Power(z,2),3.5));
counter++;
 if (l == 5) return;
Y[counter] = (Sqrt(3003/Pi)*Power(x -
                Complex(0,1)*y,6)/(64.*Power(Power(x,2) + Power(y,2) + Power(z,2),3));
Yx[counter] =
      (3*Sqrt(3003/Pi)*Power(x - Complex(0,1)*y,5)*(Complex(0,1)*x*y + Power(y,2))
                + Power(z,2)))/(32.*Power(Power(x,2) + Power(y,2) + Power(z,2),4));
Yy[counter] =
      (Complex(0,-0.09375) *Sqrt(3003/Pi) *Power(x - Complex(0,1) *y,5) * (Power(x,2) - Co
                 \texttt{Complex} (0,1) * x * y + \texttt{Power} (z,2))) / \texttt{Power} (\texttt{Power} (x,2) + \texttt{Power} (y,2) + \texttt{Power} (z,2),4); 
Yz[counter] = (-3*Sqrt(3003/Pi)*Power(x -
                Complex(0,1)*y,6)*z/(32.*Power(Power(x,2) + Power(y,2) + Power(z,2),4));
 counter++;
Y[counter] = (3*Sqrt(1001/Pi)*Power(x -
                Complex(0,1)*y,5)*z / (32.*Power(Power(x,2) + Power(y,2) + Power(z,2),3));
Yx[counter] =
      (-3*Sqrt(1001/Pi)*Power(x - Complex(0,1)*y,4)*z*(Power(x,2) - Complex(0,6)*x*y - Comple
                5*(Power(y,2) + Power(z,2))))/(32.*Power(Power(x,2) + Power(y,2) + Power(z,2),4));
```

```
Yy[counter] =
         (Complex(0,-0.09375) *Sqrt(1001/Pi) *Power(x - Complex(0,1) *y,4) *z* (5*Power(x,2)) *Power(x,2) *Po
                    - Complex (0,6) \times x \times y - Power (y,2) + 5 \times Power(z,2)) / Power (Power (x,2)
                    + Power (y,2) + Power (z,2), 4);
Yz[counter] = (3*Sqrt(1001/Pi)*Power(x - Complex(0,1)*y,5)*(Power(x,2) + Power(y,2))
                    -5 * Power(z,2)))/(32.* Power(Power(x,2) + Power(y,2) + Power(z,2),4));
counter++;
Y[counter] = (-3*Sqrt(91/(2.*Pi))*Power(x - Complex(0,1)*y,4)*(Power(x,2) + Power(y,2))
                    -10*Power(z,2)))/(32.*Power(Power(x,2) + Power(y,2) + Power(z,2),3));
Yx[counter] = (3*Sqrt(91/(2.*Pi))*Power(x -
                   Complex (0,1) *y,3) * (2*Power (x - Complex (0,1) *y,2) *y* (Complex (0,-1) *x + Complex (0,-1) *x + Com
                    y) + (-13*Power(x,2) + Complex(0,31)*x*y + 18*Power(y,2))*Power(z,2)
                    +20 \times Power(z,4)))/(16. \times Power(Power(x,2) + Power(y,2) + Power(z,2),4));
Yy[counter] =
         (-3 * \mathsf{Sqrt}(91/(2.* Pi)) * \mathsf{Power}(\mathsf{Complex}(0,1) * \mathsf{x} + \mathsf{y},3) * (2 * \mathsf{x} * \mathsf{Power}(\mathsf{x} - \mathsf{Complex}(0,1) * \mathsf{y},2) * (\mathsf{x} + \mathsf{y},3) * (2 * \mathsf{x} * \mathsf{Power}(\mathsf{x} - \mathsf{Complex}(0,1) * \mathsf{y},2) * (\mathsf{x} + \mathsf{y},3) * (2 * \mathsf{x} * \mathsf{Power}(\mathsf{x} - \mathsf{Complex}(0,1) * \mathsf{y},2) * (\mathsf{x} + \mathsf{y},3) * (2 * \mathsf{x} * \mathsf{Power}(\mathsf{x} - \mathsf{Complex}(0,1) * \mathsf{y},2) * (2 * \mathsf{x} * \mathsf{Power}(\mathsf{x} - \mathsf{Complex}(0,1) * \mathsf{y},2) * (2 * \mathsf{x} * \mathsf{Power}(\mathsf{x} - \mathsf{Complex}(0,1) * \mathsf{y},2) * (2 * \mathsf{x} * \mathsf{Power}(\mathsf{x} - \mathsf{Complex}(0,1) * \mathsf{y},2) * (2 * \mathsf{x} * \mathsf{Power}(\mathsf{x} - \mathsf{Complex}(0,1) * \mathsf{y},2) * (2 * \mathsf{x} * \mathsf{Power}(\mathsf{x} - \mathsf{Complex}(0,1) * \mathsf{y},2) * (2 * \mathsf{x} * \mathsf{Power}(\mathsf{x} - \mathsf{Complex}(0,1) * \mathsf{y},2) * (2 * \mathsf{x} * \mathsf{Power}(\mathsf{x} - \mathsf{Complex}(0,1) * \mathsf{y},2) * (2 * \mathsf{x} * \mathsf{Power}(\mathsf{x} - \mathsf{Complex}(0,1) * \mathsf{y},2) * (2 * \mathsf{x} * \mathsf{Power}(\mathsf{x} - \mathsf{Complex}(0,1) * \mathsf{y},2) * (2 * \mathsf{x} * \mathsf{Power}(\mathsf{x} - \mathsf{Complex}(0,1) * \mathsf{y},2) * (2 * \mathsf{x} * \mathsf{Power}(\mathsf{x} - \mathsf{Complex}(0,1) * \mathsf{y},2) * (2 * \mathsf{x} * \mathsf{Power}(\mathsf{x} - \mathsf{Complex}(0,1) * \mathsf{y},2) * (2 * \mathsf{x} * \mathsf{Power}(\mathsf{x} - \mathsf{Complex}(0,1) * \mathsf{y},2) * (2 * \mathsf{x} * \mathsf{Power}(\mathsf{x} - \mathsf{x} - \mathsf{y},2) * (2 * \mathsf{x} - \mathsf{y},2
                    Complex(0,1)*y) + (-18*Power(x,2) + Complex(0,31)*x*y + 13*Power(y,2))*Power(z,2)
                    -20*Power(z,4)))/(16.*Power(Power(x,2) + Power(y,2) + Power(z,2),4));
Yz[counter] =
        (3*Sqrt(91/(2.*Pi))*Power(x - Complex(0,1)*y,4)*z*(13*(Power(x,2) + Power(y,2)))
                    -20*Power(z,2)))/(16.*Power(Power(x,2) + Power(y,2) + Power(z,2),4));
counter++;
Y[counter] =
       -(Sqrt(1365/Pi)*Power(x - Complex(0,1)*y,3)*z*(3*(Power(x,2) + Power(y,2)) - (Sqrt(1365/Pi)*Power(x,2))*(3*(1365/Pi)*Power(x,2))*(3*(1365/Pi)*Power(x,2))*(3*(1365/Pi)*Power(x,2))*(3*(1365/Pi)*Power(x,2))*(3*(1365/Pi)*Power(x,2))*(3*(1365/Pi)*Power(x,2))*(3*(1365/Pi)*Power(x,2))*(3*(1365/Pi)*Power(x,2))*(3*(1365/Pi)*Power(x,2))*(3*(1365/Pi)*Power(x,2))*(3*(1365/Pi)*Power(x,2))*(3*(1365/Pi)*Power(x,2))*(3*(1365/Pi)*Power(x,2))*(3*(1365/Pi)*Power(x,2))*(3*(1365/Pi)*Power(x,2))*(3*(1365/Pi)*Power(x,2))*(3*(1365/Pi)*Power(x,2))*(3*(1365/Pi)*Power(x,2))*(3*(1365/Pi)*Power(x,2))*(3*(1365/Pi)*Power(x,2))*(3*(1365/Pi)*Power(x,2))*(3*(1365/Pi)*Power(x,2))*(3*(1365/Pi)*Power(x,2))*(3*(1365/Pi)*Power(x,2))*(3*(1365/Pi)*Power(x,2))*(3*(1365/Pi)*Power(x,2))*(3*(1365/Pi)*Power(x,2))*(3*(1365/Pi)*Power(x,2))*(3*(1365/Pi)*Power(x,2))*(3*(1365/Pi)*Power(x,2))*(3*(1365/Pi)*Power(x,2))*(3*(1365/Pi)*Power(x,2))*(3*(1365/Pi)*Power(x,2))*(3*(1365/Pi)*Power(x,2))*(3*(1365/Pi)*Power(x,2))*(3*(1365/Pi)*Power(x,2))*(3*(1365/Pi)*Power(x,2))*(3*(1365/Pi)*Power(x,2))*(3*(1365/Pi)*Power(x,2))*(3*(1365/Pi)*Power(x,2))*(3*(1365/Pi)*Power(x,2))*(3*(1365/Pi)*Power(x,2))*(3*(1365/Pi)*Power(x,2))*(3*(1365/Pi)*Power(x,2))*(3*(1365/Pi)*Power(x,2))*(3*(1365/Pi)*Power(x,2))*(3*(1365/Pi)*Power(x,2))*(3*(1365/Pi)*Power(x,2))*(3*(1365/Pi)*Power(x,2))*(3*(1365/Pi)*Power(x,2))*(3*(1365/Pi)*Power(x,2))*(3*(1365/Pi)*Power(x,2))*(3*(1365/Pi)*Power(x,2))*(3*(1365/Pi)*Power(x,2))*(3*(1365/Pi)*Power(x,2))*(3*(1365/Pi)*Power(x,2))*(3*(1365/Pi)*Power(x,2))*(3*(1365/Pi)*Power(x,2))*(3*(1365/Pi)*Power(x,2))*(3*(1365/Pi)*Power(x,2))*(3*(1365/Pi)*Power(x,2))*(3*(1365/Pi)*Power(x,2))*(3*(1365/Pi)*Power(x,2))*(3*(1365/Pi)*Power(x,2))*(3*(1365/Pi)*Power(x,2))*(3*(1365/Pi)*Power(x,2))*(3*(1365/Pi)*Power(x,2))*(3*(1365/Pi)*Power(x,2))*(3*(1365/Pi)*Power(x,2))*(3*(1365/Pi)*Power(x,2))*(3*(1365/Pi)*Power(x,2))*(3*(1365/Pi)*Power(x,2))*(3*(1365/Pi)*Power(x,2))*(3*(1365/Pi)*Power(x,2))*(3*(1365/Pi)*Power(x,2))*(3*(1365/Pi)*Power(x,2))*(3*(1365/Pi)*Power(x,2))*(3*(1365/Pi)*Po
                    8*Power(z,2)))/(32.*Power(Power(x,2) + Power(y,2) + Power(z,2),3));
Yx[counter] =
        (3*Sqrt(1365/Pi)*Power(x - Complex(0,1)*y,2)*z*(Power(x - Complex(0,1)*y,2)*(x))
                    + Complex (0,1) * y) * (x - Complex (0,3) * y) + (-13*Power (x,2))
                    + Complex (0,18) *x*y + 5*Power(y,2)) *Power(z,2) +
                    8*Power(z,4)))/(32.*Power(Power(x,2) + Power(y,2) + Power(z,2),4));
Yy[counter] = (Complex(0,0.09375) * Sqrt(1365/Pi) * Power(x - Complex(0,1) * y,2) * z* (Power(x - Complex(0,1) * y,2) * (Power(x - Complex(0,1) * y,2) * z* (Power(x - Complex(0,1) * z* (Power(x - Complex(0,1) * z* (Power(x - Complex(0,1) * z* (
                    - Complex (0,1) *y,2) * (3*Power(x,2) + Complex (0,2) *x*y + Power(y,2))
                     + (-5*Power(x,2) + Complex(0,18)*x*y + 13*Power(y,2))*Power(z,2)
                    -8*Power(z,4)))/Power(Power(x,2) + Power(y,2) + Power(z,2),4);
Yz[counter] =
         (-3*Sqrt(1365/Pi)*Power(x - Complex(0,1)*y,3)*(Power(Power(x,2) + Power(y,2),2)) \\
                     -13*(Power(x,2) + Power(y,2))*Power(z,2) +
                    8*Power(z,4)))/(32.*Power(Power(x,2) + Power(y,2) + Power(z,2),4));
 counter++;
Y[counter] =
        (\operatorname{Sqrt}(1365/\operatorname{Pi}) * \operatorname{Power}(x - \operatorname{Complex}(0,1) * y,2) * (\operatorname{Power}(\operatorname{Power}(x,2) + \operatorname{Power}(y,2),2))
                    - 16*(Power(x,2) + Power(y,2))*Power(z,2) +
                    16 * Power(z,4)) / (64. * Power(Power(x,2) + Power(y,2) + Power(z,2),3));
```

```
+ Complex (0,1) *y,2) *y*Power (Complex <math>(0,1) *x + y,3)) + Power (x)
      - Complex (0,1)*y,2)*(19*Power(x,2) + Complex(0,4)*x*y +
      15*Power(y,2))*Power(z,2) - 64*x*(x - Complex(0,1)*y)*Power(z,4) +
      16 * Power(z,6)) / (32. * Power(Power(x,2) + Power(y,2) + Power(z,2),4));
Yy[counter] = (Sqrt(1365/Pi) * (x - Complex(0,1) * y) * (Complex(0,-1) * x * Power(x)) 
      - Complex (0,1)*y,3)*Power(x + Complex(0,1)*y,2) + Power(x)
      - Complex (0,1) *y,2) * (x + Complex (0,1) *y) * (Complex (0,15) *x)
      + 19*y) *Power(z,2) - 64*(x - Complex(0,1)*y)*y*Power(z,4) -
      Complex (0,16) * Power(z,6)) / (32. * Power(Power(x,2) + Power(y,2) + Power(z,2),4));
Yz[counter] =
  -(Sqrt(1365/Pi)*Power(x - Complex(0,1)*y,2)*z*(19*Power(Power(x,2) + Power(y,2),2))
      -64*(Power(x,2) + Power(y,2))*Power(z,2) +
      16*Power(z,4))/(32.*Power(Power(x,2) + Power(y,2) + Power(z,2),4));
counter++;
Y[counter] =
  (Sqrt(273/(2.*Pi))*(x - Complex(0,1)*y)*z*(5*Power(Power(x,2) + Power(y,2),2))
      -20*(Power(x,2) + Power(y,2))*Power(z,2) +
      8*Power(z,4)))/(16.*Power(Power(x,2) + Power(y,2) + Power(z,2),3));
Yx[counter] =
  (\operatorname{Sqrt}(273/(2.*Pi))*z*(-5*Power(x - \operatorname{Complex}(0,1)*y,4)*Power(x + \operatorname{Complex}(0,1)*y,2))
      + 5*Power(x - Complex(0,1)*y,2)*(x + Complex(0,1)*y)*(17*x)
      - Complex (0,3)*y)*Power(z,2) - 4*(x -
      Complex (0,1) *y) * (25*x + Complex (0,3) *y) *Power (z,4) +
      8*Power(z,6)))/(16.*Power(Power(x,2) + Power(y,2) + Power(z,2),4));
Yy[counter] =
   (Complex(0,-0.0625)*Sqrt(273/(2.*Pi))*z*(5*Power(x - Complex(0,1)*y,4)*Power(x))
      + Complex (0,1) * y, 2 - 5 * Power (x - Complex <math>(0,1) * y, 2) * (x + y, 2) * (
      Complex (0,1) * y) * (3*x - Complex (0,17) * y) * Power (z,2) - 4* (x)
      - Complex (0,1)*y* * (3*x + Complex (0,25)*y)*Power (z,4) +
      8*Power(z,6)))/Power(Power(x,2) + Power(y,2) + Power(z,2),4);
Yz[counter] =
   (Sqrt(273/(2.*Pi))*(x - Complex(0,1)*y)*(5*Power(Power(x,2) + Power(y,2),3))
      - 85*Power(Power(x,2) + Power(y,2),2)*Power(z,2)
      + 100*(Power(x,2) + Power(y,2))*Power(z,4) -
      8*Power(z,6)))/(16.*Power(Power(x,2) + Power(y,2) + Power(z,2),4));
counter++;
Y[counter] = (Sqrt(13/Pi)*(-5*Power(Power(x,2) + Power(y,2),3) + 90*Power(Power(x,2))
      + Power(y,2),2)*Power(z,2) - 120* (Power(x,2) + Power(y,2))*Power(z,4)
      + 16 \times Power(z,6))/(32 \times Power(Power(x,2) + Power(y,2) + Power(z,2),3));
Yx[counter] =
  (-21*Sqrt(13/Pi)*x*Power(z,2)*(5*Power(Power(x,2) + Power(y,2),2) - 20*(Power(x,2))
      + Power(y,2)) *Power(z,2) + 8*Power(z,4))) / (16.*Power(Power(x,2)
      + Power(y,2) + Power(z,2),4);
```

```
Yy[counter] =
    (-21*Sqrt(13/Pi)*y*Power(z,2)*(5*Power(Power(x,2) + Power(y,2),2) - 20*(Power(x,2)))
         + Power(y,2)) *Power(z,2) + 8*Power(z,4))) / (16.*Power(x,2)
         + Power(y,2) + Power(z,2),4);
Yz[counter] =
    (21*Sqrt(13/Pi)*(Power(x,2) + Power(y,2))*z*(5*Power(Power(x,2) + Power(y,2),2))
          -20*(Power(x,2) + Power(y,2))*Power(z,2) +
         8 * Power(z,4))) / (16. * Power(Power(x,2) + Power(y,2) + Power(z,2),4));
counter++;
Y[counter] =
   -(Sqrt(273/(2.*Pi))*(x + Complex(0,1)*y)*z*(5*Power(Power(x,2) + Power(y,2),2))
          -20*(Power(x,2) + Power(y,2))*Power(z,2) +
         8*Power(z,4)))/(16.*Power(Power(x,2) + Power(y,2) + Power(z,2),3));
Yx[counter] =
    (Sqrt(273/(2.*Pi))*z*(5*Power(x - Complex(0,1)*y,2)*Power(x + Complex(0,1)*y,4) - 5*(x))
          - Complex (0,1)*y) *Power (x + Complex (0,1)*y,2)*(17*x + Complex (0,3)*y) *Power <math>(z,2)
         + 4*(x + Complex(0,1)*y)*(25*x - Complex(0,3)*y)*Power(z,4) -
         8*Power(z,6)))/(16.*Power(Power(x,2) + Power(y,2) + Power(z,2),4));
Yy[counter] =
    (Complex(0,-0.0625)*Sqrt(273/(2.*Pi))*z*(5*Power(x - Complex(0,1)*y,2)*Power(x))
         + Complex (0,1) * y,4) - 5*(x - Complex (0,1) * y) *Power(x + y)
         Complex (0,1) *y,2) * (3*x + Complex (0,17) *y) *Power (z,2) -
         4*(x + Complex(0,1)*y)*(3*x - Complex(0,25)*y)*Power(z,4) +
         8*Power(z,6)))/Power(Power(x,2) + Power(y,2) + Power(z,2),4);
Yz[counter] =
   -(Sqrt(273/(2.*Pi))*(x + Complex(0,1)*y)*(5*Power(Power(x,2) + Power(y,2),3))
         - 85*Power(Power(x,2) + Power(y,2),2)*Power(z,2)
         + 100*(Power(x,2) + Power(y,2))*Power(z,4) -
         8*Power(z,6)))/(16.*Power(Power(x,2) + Power(y,2) + Power(z,2),4));
counter++;
Y[counter] =
    (\operatorname{Sqrt}(1365/\operatorname{Pi}) * \operatorname{Power}(x + \operatorname{Complex}(0,1) * y,2) * (\operatorname{Power}(\operatorname{Power}(x,2) + \operatorname{Power}(y,2),2))
          -16*(Power(x,2) + Power(y,2))*Power(z,2) +
         16*Power(z,4)))/(64*Power(Power(x,2) + Power(y,2) + Power(z,2),3));
 Yx [counter] = (Sqrt(1365/Pi) * (x + Complex(0,1) * y) * (Power(Complex(0,1) * x - y,3) * Power(x - y,3) 
         Complex (0,1) *y,2) *y + (x - Complex (0,1) *y) *Power (x + Complex (0,1) *y,2) * (19 *x) + (1
         + Complex (0,15) * y) * Power(z,2) - 64*x*(x + Complex <math>(0,1) * y) * Power(z,4)
         + 16 \times Power(z,6))/(32 \times Power(Power(x,2) + Power(y,2) + Power(z,2),4));
Yy[counter] =
    (\operatorname{Sqrt}(1365/\operatorname{Pi})*(x + \operatorname{Complex}(0,1)*y)*(\operatorname{Complex}(0,1)*x*\operatorname{Power}(x - \operatorname{Complex}(0,1)*y,2)*\operatorname{Power}(x))
          + Complex (0,1) *y,3) + (x - Complex (0,1) *y) *Power (x + y)
         Complex (0,1) *y,2) * (Complex <math>(0,-15) *x + 19*y) *Power (z,2)
         -64*(x + Complex(0,1)*y)*y*Power(z,4) +
         Complex (0,16) * Power(z,6)) / (32. * Power(Power(x,2) + Power(y,2) + Power(z,2),4));
```

```
Yz[counter] =
     -(Sqrt(1365/Pi)*Power(x + Complex(0,1)*y,2)*z*(19*Power(Power(x,2) + Power(y,2),2))
               -64*(Power(x,2) + Power(y,2))*Power(z,2) +
               16 * Power(z,4)))/(32.* Power(Power(x,2) + Power(y,2) + Power(z,2),4));
 counter++;
Y[counter] = (Sqrt(1365/Pi) *Power(x + Complex(0,1) *y,3) *z* (3* (Power(x,2) + Power(y,2)))
                -8*Power(z,2))/(32.*Power(Power(x,2) + Power(y,2) + Power(z,2),3));
Yx[counter] =
      (-3*Sqrt(1365/Pi)*Power(x + Complex(0,1)*y,2)*z*((x - Complex(0,1)*y)*Power(x))
               + Complex (0,1) *y,2) * (x + Complex (0,3) *y) - (x + Complex (0,3) *y)
               Complex (0,1)*y)*(13*x + Complex (0,5)*y)*Power (z,2) +
               8*Power(z,4)))/(32.*Power(Power(x,2) + Power(y,2) + Power(z,2),4));
Yy[counter] = (Complex(0,0.09375) *Sqrt(1365/Pi) *Power(x + 
                \texttt{Complex}\,(\textbf{0,1})\,\star\textbf{y,2})\,\star\textbf{z}\,\star\,(\texttt{Power}\,(\textbf{x}\,\,+\,\,\texttt{Complex}\,(\textbf{0,1})\,\star\textbf{y,2})\,\star\,(\textbf{3}\,\star\,\texttt{Power}\,(\textbf{x,2})\,\,-\,\,\texttt{Complex}\,(\textbf{0,2})\,\star\textbf{x}\,\star\,\textbf{y} 
                + Power(y,2)) - (x + Complex(0,1)*y)*(5*x + Complex(0,13)*y)*Power(z,2)
               -8 * Power(z,4)))/Power(Power(x,2) + Power(y,2) + Power(z,2),4);
Yz[counter] =
       (3*Sqrt(1365/Pi)*Power(x + Complex(0,1)*y,3)*(Power(Power(x,2) + Power(y,2),2))
               -13*(Power(x,2) + Power(y,2))*Power(z,2) +
               8*Power(z,4)))/(32.*Power(Power(x,2) + Power(y,2) + Power(z,2),4));
 counter++;
Y[counter] = (-3*Sqrt(91/(2.*Pi))*Power(x + Complex(0,1)*y,4)*(Power(x,2) + Power(y,2)) + (Power(x,2))*(Power(x,2)) + (Power(x,2))*(Power(x,
               -10*Power(z,2)))/(32.*Power(Power(x,2) + Power(y,2) + Power(z,2),3));
Yx[counter] = (3*Sqrt(91/(2.*Pi))*Power(x +
                \texttt{Complex} \, ( \, 0 \, , \, 1 ) \, *y \, , \, 3 \, ) \, * \, ( \, 2 \, * \, Power \, ( \, x \, \  \, + \, \, \, Complex \, ( \, 0 \, , \, 1 ) \, *y \, , \, 2 ) \, *y \, * \, ( \, Complex \, ( \, 0 \, , \, 1 ) \, *x \, ) \, 
               + y) - (x + Complex(0,1)*y)*(13*x + Complex(0,18)*y)*Power(z,2) +
               20*Power(z,4)))/(16.*Power(Power(x,2) + Power(y,2) + Power(z,2),4));
Yy[counter] =
      (3*Sqrt(91/(2.*Pi))*Power(Complex(0,1)*x - y,3)*(2*x*(x - Complex(0,1)*y)*Power(x + y,3)*(2*x*(x - Complex(0,1)*y)*(2*x*(x - Complex(0,1)*x))*(2*x*(x - Complex(0,1)*x)*(2*x*(x - Complex(0,1)*x))*(2*x*(x - Complex(0,1)*x)*(2*x*(x - Complex(0,1)*x))*(2*x*(x - Complex(0,1)*x)*(2*x*(x - Complex(0,1)*x))*(2*x*(x - Complex(0,1)*x))*(2*x*(
                \texttt{Complex}\,(\,0\,,1)\,\,\star\,y\,,2\,) \ - \ (\,x \ + \ \texttt{Complex}\,(\,0\,,1)\,\,\star\,y\,)\,\,\star\,(\,18\,\star\,x \ + \ \texttt{Complex}\,(\,0\,,13)\,\,\star\,y\,)\,\,\star\, \texttt{Power}\,(\,z\,,2\,) 
               -20*Power(z,4))/(16.*Power(Power(x,2) + Power(y,2) + Power(z,2),4));
Yz[counter] =
       (3*Sqrt(91/(2.*Pi))*Power(x + Complex(0,1)*y,4)*z*(13*(Power(x,2) + Power(y,2)))* (2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2.*Pi)*(2
                -20*Power(z,2)))/(16.*Power(Power(x,2) + Power(y,2) + Power(z,2),4));
counter++;
Y[counter] = (-3*Sqrt(1001/Pi)*Power(x +
               Complex(0,1)*y,5)*z)/(32.*Power(Power(x,2) + Power(y,2) + Power(z,2),3));
Yx[counter] =
       (3*Sqrt(1001/Pi)*Power(x + Complex(0,1)*y,4)*z*(Power(x,2) + Complex(0,6)*x*y - Complex(0,6)*x*y)
               5*(Power(y,2) + Power(z,2))))/(32.*Power(Power(x,2) + Power(y,2) + Power(z,2),4));
Yy[counter] =
      (3*Sqrt(1001/Pi)*Power(x + Complex(0,1)*y,4)*z*((x + Complex(0,1)*y)*(Complex(0,-5)*x + Complex(0,1)*y)*(Complex(0,-5)*x)*(2*Sqrt(1001/Pi)*Power(x + Complex(0,1)*y,4)*z*((x + Complex(0,1)*y)*(Complex(0,-5)*x)*(2*Sqrt(1001/Pi)*y)*(Complex(0,-5)*x)*(2*Sqrt(1001/Pi)*y)*(Complex(0,-5)*x)*(2*Sqrt(1001/Pi)*y)*(2*Sqrt(1001/Pi)*y)*(2*Sqrt(1001/Pi)*y)*(2*Sqrt(1001/Pi)*y)*(2*Sqrt(1001/Pi)*y)*(2*Sqrt(1001/Pi)*y)*(2*Sqrt(1001/Pi)*y)*(2*Sqrt(1001/Pi)*y)*(2*Sqrt(1001/Pi)*y)*(2*Sqrt(1001/Pi)*y)*(2*Sqrt(1001/Pi)*y)*(2*Sqrt(1001/Pi)*y)*(2*Sqrt(1001/Pi)*y)*(2*Sqrt(1001/Pi)*y)*(2*Sqrt(1001/Pi)*y)*(2*Sqrt(1001/Pi)*y)*(2*Sqrt(1001/Pi)*y)*(2*Sqrt(1001/Pi)*y)*(2*Sqrt(1001/Pi)*y)*(2*Sqrt(1001/Pi)*y)*(2*Sqrt(1001/Pi)*y)*(2*Sqrt(1001/Pi)*y)*(2*Sqrt(1001/Pi)*y)*(2*Sqrt(1001/Pi)*y)*(2*Sqrt(1001/Pi)*y)*(2*Sqrt(1001/Pi)*y)*(2*Sqrt(1001/Pi)*y)*(2*Sqrt(1001/Pi)*y)*(2*Sqrt(1001/Pi)*y)*(2*Sqrt(1001/Pi)*y)*(2*Sqrt(1001/Pi)*y)*(2*Sqrt(1001/Pi)*y)*(2*Sqrt(1001/Pi)*y)*(2*Sqrt(1001/Pi)*y)*(2*Sqrt(1001/Pi)*y)*(2*Sqrt(1001/Pi)*y)*(2*Sqrt(1001/Pi)*y)*(2*Sqrt(1001/Pi)*y)*(2*Sqrt(1001/Pi)*y)*(2*Sqrt(1001/Pi)*y)*(2*Sqrt(1001/Pi)*y)*(2*Sqrt(1001/Pi)*y)*(2*Sqrt(1001/Pi)*y)*(2*Sqrt(1001/Pi)*y)*(2*Sqrt(1001/Pi)*y)*(2*Sqrt(1001/Pi)*y)*(2*Sqrt(1001/Pi)*y)*(2*Sqrt(1001/Pi)*y)*(2*Sqrt(1001/Pi)*y)*(2*Sqrt(1001/Pi)*y)*(2*Sqrt(1001/Pi)*y)*(2*Sqrt(1001/Pi)*y)*(2*Sqrt(1001/Pi)*y)*(2*Sqrt(1001/Pi)*y)*(2*Sqrt(1001/Pi)*y)*(2*Sqrt(1001/Pi)*y)*(2*Sqrt(1001/Pi)*y)*(2*Sqrt(1001/Pi)*y)*(2*Sqrt(1001/Pi)*y)*(2*Sqrt(1001/Pi)*y)*(2*Sqrt(1001/Pi)*y)*(2*Sqrt(1001/Pi)*y)*(2*Sqrt(1001/Pi)*y)*(2*Sqrt(1001/Pi)*y)*(2*Sqrt(1001/Pi)*y)*(2*Sqrt(1001/Pi)*y)*(2*Sqrt(1001/Pi)*y)*(2*Sqrt(1001/Pi)*y)*(2*Sqrt(1001/Pi)*y)*(2*Sqrt(1001/Pi)*y)*(2*Sqrt(1001/Pi)*y)*(2*Sqrt(1001/Pi)*y)*(2*Sqrt(1001/Pi)*y)*(2*Sqrt(1001/Pi)*y)*(2*Sqrt(1001/Pi)*y)*(2*Sqrt(1001/Pi)*y)*(2*Sqrt(1001/Pi)*y)*(2*Sqrt(1001/Pi)*y)*(2*Sqrt(1001/Pi)*y)*(2*Sqrt(1001/Pi)*y)*(2*Sqrt(1001/Pi)*y)*(2*Sqrt(1001/Pi)*y)*(2*Sqrt(1001/Pi)*y)*(2*Sqrt(1001/Pi)*y)*(2*Sqrt(1001/Pi)*y)*(2*Sqrt(1001/Pi)*y)*(2*Sqrt(1001/Pi)*y)*(2*Sqrt(1001/Pi)*y)
               y) - Complex(0,5)*Power(z,2)))/(32.*Power(Power(x,2) + Power(y,2) + Power(z,2),4));
```

```
 Yz[counter] = (-3*Sqrt(1001/Pi)*Power(x + Complex(0,1)*y,5)*(Power(x,2) + Power(y,2)) 
             -5 * Power(z,2)))/(32.* Power(Power(x,2) + Power(y,2) + Power(z,2),4));
counter++;
Y[counter] = (Sqrt(3003/Pi) *Power(x +
              \texttt{Complex}\,(0,1)\, *y,6)\,)\, /\, (64.\, *Power\,(Power\,(x,2)\ +\ Power\,(y,2)\ +\ Power\,(z,2)\,,3)\,)\,;
Yx[counter] =
     (3*Sqrt(3003/Pi)*Power(x + Complex(0,1)*y,5)*(Complex(0,-1)*x*y + Power(y,2))
             + Power(z,2)))/(32.*Power(Power(x,2) + Power(y,2) + Power(z,2),4));
Yy[counter] =
    (Complex(0,0.09375)*Sqrt(3003/Pi)*Power(x + Complex(0,1)*y,5)*(Power(x,2) + Complex(0,1)*y,5)*(Power(x,2)) + (Power(x,2))*(Power(x,2))*(Power(x,2))*(Power(x,2))*(Power(x,2))*(Power(x,2))*(Power(x,2))*(Power(x,2))*(Power(x,2))*(Power(x,2))*(Power(x,2))*(Power(x,2))*(Power(x,2))*(Power(x,2))*(Power(x,2))*(Power(x,2))*(Power(x,2))*(Power(x,2))*(Power(x,2))*(Power(x,2))*(Power(x,2))*(Power(x,2))*(Power(x,2))*(Power(x,2))*(Power(x,2))*(Power(x,2))*(Power(x,2))*(Power(x,2))*(Power(x,2))*(Power(x,2))*(Power(x,2))*(Power(x,2))*(Power(x,2))*(Power(x,2))*(Power(x,2))*(Power(x,2))*(Power(x,2))*(Power(x,2))*(Power(x,2))*(Power(x,2))*(Power(x,2))*(Power(x,2))*(Power(x,2))*(Power(x,2))*(Power(x,2))*(Power(x,2))*(Power(x,2))*(Power(x,2))*(Power(x,2))*(Power(x,2))*(Power(x,2))*(Power(x,2))*(Power(x,2))*(Power(x,2))*(Power(x,2))*(Power(x,2))*(Power(x,2))*(Power(x,2))*(Power(x,2))*(Power(x,2))*(Power(x,2))*(Power(x,2))*(Power(x,2))*(Power(x,2))*(Power(x,2))*(Power(x,2))*(Power(x,2))*(Power(x,2))*(Power(x,2))*(Power(x,2))*(Power(x,2))*(Power(x,2))*(Power(x,2))*(Power(x,2))*(Power(x,2))*(Power(x,2))*(Power(x,2))*(Power(x,2))*(Power(x,2))*(Power(x,2))*(Power(x,2))*(Power(x,2))*(Power(x,2))*(Power(x,2))*(Power(x,2))*(Power(x,2))*(Power(x,2))*(Power(x,2))*(Power(x,2))*(Power(x,2))*(Power(x,2))*(Power(x,2))*(Power(x,2))*(Power(x,2))*(Power(x,2))*(Power(x,2))*(Power(x,2))*(Power(x,2))*(Power(x,2))*(Power(x,2))*(Power(x,2))*(Power(x,2))*(Power(x,2))*(Power(x,2))*(Power(x,2))*(Power(x,2))*(Power(x,2))*(Power(x,2))*(Power(x,2))*(Power(x,2))*(Power(x,2))*(Power(x,2))*(Power(x,2))*(Power(x,2))*(Power(x,2))*(Power(x,2))*(Power(x,2))*(Power(x,2))*(Power(x,2))*(Power(x,2))*(Power(x,2))*(Power(x,2))*(Power(x,2))*(Power(x,2))*(Power(x,2))*(Power(x,2))*(Power(x,2))*(Power(x,2))*(Power(x,2))*(Power(x,2))*(Power(x,2))*(Power(x,2))*(Power(x,2))*(Power(x,2))*(Power(x,2))*(Power(x,2))*(Power(x,2))*(Power(x,2))*(Power(x,2))*(Power(x,2))*(Power(x,2))*(Power(x,2))*(Power(x,2))*(Power(x,2))*(Power(x,2))*(Power(x,2))*(Power(x,2))*(Power(x,2))*(Power(x,2)
            \texttt{Complex} (0,1) * x * y + \texttt{Power} (z,2))) / \texttt{Power} (\texttt{Power} (x,2) + \texttt{Power} (y,2) + \texttt{Power} (z,2),4);
Yz[counter] = (-3*Sqrt(3003/Pi)*Power(x +
             Complex(0,1)*y,6)*z)/(32.*Power(Power(x,2) + Power(y,2) + Power(z,2),4));
counter++;
if (l == 6) return;
```