PG No. 22 $C_{3\mathrm{h}}$ $\bar{6}$ [hexagonal] (polar, internal polar dipole)

* Harmonics for rank 0

$\vec{\mathbb{Q}}_{0}^{(1,1)}[q](A')$

** symmetry

$$1$$

** expression

$$\frac{\sqrt{3}Q_{x}x}{3} + \frac{\sqrt{3}Q_{y}y}{3} + \frac{\sqrt{3}Q_{z}z}{3}$$

* Harmonics for rank 1

$\vec{\mathbb{Q}}_{1}^{(1,-1)}[q](A'')$

** symmetry

$$z$$

** expression

$$Q_{z}$$

$\vec{\mathbb{Q}}_{1}^{(1,1)}[q](A'')$

** symmetry

$$z$$

** expression

$$\frac{3\sqrt{10}Q_{x}xz}{10} + \frac{3\sqrt{10}Q_{y}yz}{10} - \frac{\sqrt{10}Q_{z}\left(x^{2} + y^{2} - 2z^{2}\right)}{10}$$

$\vec{\mathbb{Q}}_{1,1}^{(1,-1)}[q](E')$, $\vec{\mathbb{Q}}_{1,2}^{(1,-1)}[q](E')$

** symmetry

$$x$$

$$y$$

** expression

$$Q_{x}$$

$$Q_{y}$$

$\vec{\mathbb{Q}}_{1,1}^{(1,1)}[q](E')$, $\vec{\mathbb{Q}}_{1,2}^{(1,1)}[q](E')$

** symmetry

$$x$$

$$y$$

** expression

$$\frac{\sqrt{10}Q_{x}\left(2x^{2} - y^{2} - z^{2}\right)}{10} + \frac{3\sqrt{10}Q_{y}xy}{10} + \frac{3\sqrt{10}Q_{z}xz}{10}$$

$$\frac{3\sqrt{10}Q_{x}xy}{10} - \frac{\sqrt{10}Q_{y}\left(x^{2} - 2y^{2} + z^{2}\right)}{10} + \frac{3\sqrt{10}Q_{z}yz}{10}$$

* Harmonics for rank 2

$\vec{\mathbb{Q}}_{2}^{(1,-1)}[q](A')$

** symmetry

$$-\frac{x^{2}}{2} - \frac{y^{2}}{2} + z^{2}$$

** expression

$$-\frac{\sqrt{6}Q_{x}x}{6} - \frac{\sqrt{6}Q_{y}y}{6} + \frac{\sqrt{6}Q_{z}z}{3}$$

$\vec{\mathbb{Q}}_{2}^{(1,1)}[q](A')$

** symmetry

$$-\frac{x^{2}}{2} - \frac{y^{2}}{2} + z^{2}$$

** expression

$$-\frac{\sqrt{21}Q_x x\left(x^2+y^2-4z^2\right)}{14}-\frac{\sqrt{21}Q_y y\left(x^2+y^2-4z^2\right)}{14}-\frac{\sqrt{21}Q_z z\left(3x^2+3y^2-2z^2\right)}{14}$$

$\vec{\mathbb{Q}}_{2,1}^{(1,-1)}[q](E')$, $\vec{\mathbb{Q}}_{2,2}^{(1,-1)}[q](E')$
** symmetry

$$\frac{\sqrt{3}\left(x-y\right)\left(x+y\right)}{2}$$

$$-\sqrt{3}xy$$

** expression

$$\frac{\sqrt{2}Q_x x}{2}-\frac{\sqrt{2}Q_y y}{2}$$

$$-\frac{\sqrt{2}Q_x y}{2}-\frac{\sqrt{2}Q_y x}{2}$$

$\vec{\mathbb{Q}}_{2,1}^{(1,1)}[q](E')$, $\vec{\mathbb{Q}}_{2,2}^{(1,1)}[q](E')$
** symmetry

$$\frac{\sqrt{3}\left(x-y\right)\left(x+y\right)}{2}$$

$$-\sqrt{3}xy$$

** expression

$$\frac{\sqrt{7}Q_x x\left(3x^2-7y^2-2z^2\right)}{14}+\frac{\sqrt{7}Q_y y\left(7x^2-3y^2+2z^2\right)}{14}+\frac{5\sqrt{7}Q_z z\left(x-y\right)\left(x+y\right)}{14}$$

$$-\frac{\sqrt{7}Q_x y\left(4x^2-y^2-z^2\right)}{7}+\frac{\sqrt{7}Q_y x\left(x^2-4y^2+z^2\right)}{7}-\frac{5\sqrt{7}Q_z xyz}{7}$$

$\vec{\mathbb{Q}}_{2,1}^{(1,-1)}[q](E'')$, $\vec{\mathbb{Q}}_{2,2}^{(1,-1)}[q](E'')$
** symmetry

$$\sqrt{3}yz$$

$$-\sqrt{3}xz$$

** expression

$$\frac{\sqrt{2}Q_y z}{2}+\frac{\sqrt{2}Q_z y}{2}$$

$$-\frac{\sqrt{2}Q_x z}{2}-\frac{\sqrt{2}Q_z x}{2}$$

$\vec{\mathbb{Q}}_{2,1}^{(1,1)}[q](E'')$, $\vec{\mathbb{Q}}_{2,2}^{(1,1)}[q](E'')$
** symmetry

$$\sqrt{3}yz$$

$$-\sqrt{3}xz$$

** expression

$$\frac{5\sqrt{7}Q_x xyz}{7}-\frac{\sqrt{7}Q_y z\left(x^2-4y^2+z^2\right)}{7}-\frac{\sqrt{7}Q_z y\left(x^2+y^2-4z^2\right)}{7}$$

$$-\frac{\sqrt{7}Q_x z\left(4x^2-y^2-z^2\right)}{7}-\frac{5\sqrt{7}Q_y xyz}{7}+\frac{\sqrt{7}Q_z x\left(x^2+y^2-4z^2\right)}{7}$$

* Harmonics for rank 3
$\vec{\mathbb{Q}}_{3}^{(1,-1)}[q](A',1)$
** symmetry

$$\frac{\sqrt{10}y\left(3x^2-y^2\right)}{4}$$

** expression

$$\frac{\sqrt{6} Q_{x} x y}{2} + \frac{\sqrt{6} Q_{y} \left(x - y\right) \left(x + y\right)}{4}$$

$\vec{\mathbb{Q}}_{3}^{(1,-1)}[q](A',2)$
** symmetry

$$\frac{\sqrt{10} x \left(x^{2} - 3 y^{2}\right)}{4}$$

** expression

$$\frac{\sqrt{6} Q_{x} \left(x - y\right) \left(x + y\right)}{4} - \frac{\sqrt{6} Q_{y} x y}{2}$$

$\vec{\mathbb{Q}}_{3}^{(1,1)}[q](A',1)$
** symmetry

$$\frac{\sqrt{10} y \left(3 x^{2} - y^{2}\right)}{4}$$

** expression

$$\frac{\sqrt{10} Q_{x} x y \left(15 x^{2} - 13 y^{2} - 6 z^{2}\right)}{24} - \frac{\sqrt{10} Q_{y} \left(3 x^{4} - 21 x^{2} y^{2} + 3 x^{2} z^{2} + 4 y^{4} - 3 y^{2} z^{2}\right)}{24} + \frac{7 \sqrt{10} Q_{z} y z \left(3 x^{2} - y^{2}\right)}{24}$$

$\vec{\mathbb{Q}}_{3}^{(1,1)}[q](A',2)$
** symmetry

$$\frac{\sqrt{10} x \left(x^{2} - 3 y^{2}\right)}{4}$$

** expression

$$\frac{\sqrt{10} Q_{x} \left(4 x^{4} - 21 x^{2} y^{2} - 3 x^{2} z^{2} + 3 y^{4} + 3 y^{2} z^{2}\right)}{24} + \frac{\sqrt{10} Q_{y} x y \left(13 x^{2} - 15 y^{2} + 6 z^{2}\right)}{24} + \frac{7 \sqrt{10} Q_{z} x z \left(x^{2} - 3 y^{2}\right)}{24}$$

$\vec{\mathbb{Q}}_{3}^{(1,-1)}[q](A'')$
** symmetry

$$- \frac{z \left(3 x^{2} + 3 y^{2} - 2 z^{2}\right)}{2}$$

** expression

$$- \frac{\sqrt{15} Q_{x} x z}{5} - \frac{\sqrt{15} Q_{y} y z}{5} - \frac{\sqrt{15} Q_{z} \left(x^{2} + y^{2} - 2 z^{2}\right)}{10}$$

$\vec{\mathbb{Q}}_{3}^{(1,1)}[q](A'')$
** symmetry

$$- \frac{z \left(3 x^{2} + 3 y^{2} - 2 z^{2}\right)}{2}$$

** expression

$$- \frac{5 Q_{x} x z \left(3 x^{2} + 3 y^{2} - 4 z^{2}\right)}{12} - \frac{5 Q_{y} y z \left(3 x^{2} + 3 y^{2} - 4 z^{2}\right)}{12} + \frac{Q_{z} \left(3 x^{4} + 6 x^{2} y^{2} - 24 x^{2} z^{2} + 3 y^{4} - 24 y^{2} z^{2} + 8 z^{4}\right)}{12}$$

$\vec{\mathbb{Q}}_{3,1}^{(1,-1)}[q](E')$, $\vec{\mathbb{Q}}_{3,2}^{(1,-1)}[q](E')$
** symmetry

$$- \frac{\sqrt{6} x \left(x^{2} + y^{2} - 4 z^{2}\right)}{4}$$

$$- \frac{\sqrt{6} y \left(x^{2} + y^{2} - 4 z^{2}\right)}{4}$$

** expression

$$- \frac{\sqrt{10} Q_{x} \left(3 x^{2} + y^{2} - 4 z^{2}\right)}{20} - \frac{\sqrt{10} Q_{y} x y}{10} + \frac{2 \sqrt{10} Q_{z} x z}{5}$$

$$- \frac{\sqrt{10} Q_{x} x y}{10} - \frac{\sqrt{10} Q_{y} \left(x^{2} + 3 y^{2} - 4 z^{2}\right)}{20} + \frac{2 \sqrt{10} Q_{z} y z}{5}$$

$\vec{\mathbb{Q}}_{3,1}^{(1,1)}[q](E')$, $\vec{\mathbb{Q}}_{3,2}^{(1,1)}[q](E')$

** symmetry

$$-\frac{\sqrt{6}x\left(x^{2}+y^{2}-4z^{2}\right)}{4}$$

$$-\frac{\sqrt{6}y\left(x^{2}+y^{2}-4z^{2}\right)}{4}$$

** expression

$$-\frac{\sqrt{6}Q_{x}\left(4x^{4}+3x^{2}y^{2}-27x^{2}z^{2}-y^{4}+3y^{2}z^{2}+4z^{4}\right)}{24}-\frac{5\sqrt{6}Q_{y}xy\left(x^{2}+y^{2}-6z^{2}\right)}{24}-\frac{5\sqrt{6}Q_{z}xz\left(3x^{2}+3y^{2}-4z^{2}\right)}{24}$$

$$-\frac{5\sqrt{6}Q_{x}xy\left(x^{2}+y^{2}-6z^{2}\right)}{24}+\frac{\sqrt{6}Q_{y}\left(x^{4}-3x^{2}y^{2}-3x^{2}z^{2}-4y^{4}+27y^{2}z^{2}-4z^{4}\right)}{24}-\frac{5\sqrt{6}Q_{z}yz\left(3x^{2}+3y^{2}-4z^{2}\right)}{24}$$

$\vec{\mathbb{Q}}_{3,1}^{(1,-1)}[q](E''), \vec{\mathbb{Q}}_{3,2}^{(1,-1)}[q](E'')$

** symmetry

$$\sqrt{15}xyz$$

$$\frac{\sqrt{15}z\left(x-y\right)\left(x+y\right)}{2}$$

** expression

$$Q_{x}yz+Q_{y}xz+Q_{z}xy$$

$$Q_{x}xz-Q_{y}yz+\frac{Q_{z}\left(x-y\right)\left(x+y\right)}{2}$$

$\vec{\mathbb{Q}}_{3,1}^{(1,1)}[q](E''), \vec{\mathbb{Q}}_{3,2}^{(1,1)}[q](E'')$

** symmetry

$$\sqrt{15}xyz$$

$$\frac{\sqrt{15}z\left(x-y\right)\left(x+y\right)}{2}$$

** expression

$$\frac{\sqrt{15}Q_{x}yz\left(6x^{2}-y^{2}-z^{2}\right)}{6}-\frac{\sqrt{15}Q_{y}xz\left(x^{2}-6y^{2}+z^{2}\right)}{6}-\frac{\sqrt{15}Q_{z}xy\left(x^{2}+y^{2}-6z^{2}\right)}{6}$$

$$\frac{\sqrt{15}Q_{x}xz\left(5x^{2}-9y^{2}-2z^{2}\right)}{12}+\frac{\sqrt{15}Q_{y}yz\left(9x^{2}-5y^{2}+2z^{2}\right)}{12}-\frac{\sqrt{15}Q_{z}\left(x-y\right)\left(x+y\right)\left(x^{2}+y^{2}-6z^{2}\right)}{12}$$

* Harmonics for rank 4

$\vec{\mathbb{Q}}_{4}^{(1,-1)}[q](A')$

** symmetry

$$\frac{3x^{4}}{8}+\frac{3x^{2}y^{2}}{4}-3x^{2}z^{2}+\frac{3y^{4}}{8}-3y^{2}z^{2}+z^{4}$$

** expression

$$\frac{3\sqrt{7}Q_{x}x\left(x^{2}+y^{2}-4z^{2}\right)}{28}+\frac{3\sqrt{7}Q_{y}y\left(x^{2}+y^{2}-4z^{2}\right)}{28}-\frac{\sqrt{7}Q_{z}z\left(3x^{2}+3y^{2}-2z^{2}\right)}{7}$$

$\vec{\mathbb{Q}}_{4}^{(1,1)}[q](A')$

** symmetry

$$\frac{3x^{4}}{8}+\frac{3x^{2}y^{2}}{4}-3x^{2}z^{2}+\frac{3y^{4}}{8}-3y^{2}z^{2}+z^{4}$$

** expression

$$\frac{3\sqrt{55}Q_{x}x\left(x^{4}+2x^{2}y^{2}-12x^{2}z^{2}+y^{4}-12y^{2}z^{2}+8z^{4}\right)}{88}+\frac{3\sqrt{55}Q_{y}y\left(x^{4}+2x^{2}y^{2}-12x^{2}z^{2}+y^{4}-12y^{2}z^{2}+8z^{4}\right)}{88}$$
$$+\frac{\sqrt{55}Q_{z}z\left(15x^{4}+30x^{2}y^{2}-40x^{2}z^{2}+15y^{4}-40y^{2}z^{2}+8z^{4}\right)}{88}$$

$\vec{\mathbb{Q}}_{4}^{(1,-1)}[q](A'',1)$

** symmetry

$$\frac{\sqrt{70}xz\left(x^{2}-3y^{2}\right)}{4}$$

** expression

$$\frac{3\sqrt{10}Q_{x}z\left(x-y\right)\left(x+y\right)}{8}-\frac{3\sqrt{10}Q_{y}xyz}{4}+\frac{\sqrt{10}Q_{z}x\left(x^{2}-3y^{2}\right)}{8}$$

$\vec{\mathbb{Q}}_{4}^{(1,-1)}[q](A'',2)$
** symmetry

$$\frac{\sqrt{70}yz\left(3x^{2}-y^{2}\right)}{4}$$

** expression

$$\frac{3\sqrt{10}Q_{x}xyz}{4}+\frac{3\sqrt{10}Q_{y}z\left(x-y\right)\left(x+y\right)}{8}+\frac{\sqrt{10}Q_{z}y\left(3x^{2}-y^{2}\right)}{8}$$

$\vec{\mathbb{Q}}_{4}^{(1,1)}[q](A'',1)$
** symmetry

$$\frac{\sqrt{70}xz\left(x^{2}-3y^{2}\right)}{4}$$

** expression

$$\frac{3\sqrt{154}Q_{x}z\left(2x^{4}-9x^{2}y^{2}-x^{2}z^{2}+y^{4}+y^{2}z^{2}\right)}{44}+\frac{3\sqrt{154}Q_{y}xyz\left(5x^{2}-7y^{2}+2z^{2}\right)}{44}-\frac{\sqrt{154}Q_{z}x\left(x^{2}-3y^{2}\right)\left(x^{2}+y^{2}-8z^{2}\right)}{44}$$

$\vec{\mathbb{Q}}_{4}^{(1,1)}[q](A'',2)$
** symmetry

$$\frac{\sqrt{70}yz\left(3x^{2}-y^{2}\right)}{4}$$

** expression

$$\frac{3\sqrt{154}Q_{x}xyz\left(7x^{2}-5y^{2}-2z^{2}\right)}{44}-\frac{3\sqrt{154}Q_{y}z\left(x^{4}-9x^{2}y^{2}+x^{2}z^{2}+2y^{4}-y^{2}z^{2}\right)}{44}-\frac{\sqrt{154}Q_{z}y\left(3x^{2}-y^{2}\right)\left(x^{2}+y^{2}-8z^{2}\right)}{44}$$

$\vec{\mathbb{Q}}_{4,1}^{(1,-1)}[q](E',1)$, $\vec{\mathbb{Q}}_{4,2}^{(1,-1)}[q](E',1)$
** symmetry

$$\frac{\sqrt{35}\left(x^{2}-2xy-y^{2}\right)\left(x^{2}+2xy-y^{2}\right)}{8}$$

$$\frac{\sqrt{35}xy\left(x-y\right)\left(x+y\right)}{2}$$

** expression

$$\frac{\sqrt{5}Q_{x}x\left(x^{2}-3y^{2}\right)}{4}-\frac{\sqrt{5}Q_{y}y\left(3x^{2}-y^{2}\right)}{4}$$

$$\frac{\sqrt{5}Q_{x}y\left(3x^{2}-y^{2}\right)}{4}+\frac{\sqrt{5}Q_{y}x\left(x^{2}-3y^{2}\right)}{4}$$

$\vec{\mathbb{Q}}_{4,1}^{(1,-1)}[q](E',2)$, $\vec{\mathbb{Q}}_{4,2}^{(1,-1)}[q](E',2)$
** symmetry

$$-\frac{\sqrt{5}\left(x-y\right)\left(x+y\right)\left(x^{2}+y^{2}-6z^{2}\right)}{4}$$

$$\frac{\sqrt{5}xy\left(x^{2}+y^{2}-6z^{2}\right)}{2}$$

** expression

$$-\frac{\sqrt{35}Q_{x}x\left(x^{2}-3z^{2}\right)}{14}+\frac{\sqrt{35}Q_{y}y\left(y^{2}-3z^{2}\right)}{14}+\frac{3\sqrt{35}Q_{z}z\left(x-y\right)\left(x+y\right)}{14}$$

$$\frac{\sqrt{35}Q_{x}y\left(3x^{2}+y^{2}-6z^{2}\right)}{28}+\frac{\sqrt{35}Q_{y}x\left(x^{2}+3y^{2}-6z^{2}\right)}{28}-\frac{3\sqrt{35}Q_{z}xyz}{7}$$

$\vec{\mathbb{Q}}_{4,1}^{(1,1)}[q](E',1)$, $\vec{\mathbb{Q}}_{4,2}^{(1,1)}[q](E',1)$
** symmetry

$$\frac{\sqrt{35}\left(x^{2}-2xy-y^{2}\right)\left(x^{2}+2xy-y^{2}\right)}{8}$$

$$\frac{\sqrt{35}xy\left(x-y\right)\left(x+y\right)}{2}$$

** expression

$$\frac{\sqrt{77}Q_{x}x\left(5x^{4}-46x^{2}y^{2}-4x^{2}z^{2}+21y^{4}+12y^{2}z^{2}\right)}{88}+\frac{\sqrt{77}Q_{y}y\left(21x^{4}-46x^{2}y^{2}+12x^{2}z^{2}+5y^{4}-4y^{2}z^{2}\right)}{88}+\frac{9\sqrt{77}Q_{z}z\left(x^{2}-2xy-y^{2}\right)\left(x^{2}+2xy-y^{2}\right)}{88}$$

$$\frac{\sqrt{77}Q_{x}y\left(6x^{4}-11x^{2}y^{2}-3x^{2}z^{2}+y^{4}+y^{2}z^{2}\right)}{22}-\frac{\sqrt{77}Q_{y}x\left(x^{4}-11x^{2}y^{2}+x^{2}z^{2}+6y^{4}-3y^{2}z^{2}\right)}{22}+\frac{9\sqrt{77}Q_{z}xyz\left(x-y\right)\left(x+y\right)}{22}$$

$\vec{\mathbb{Q}}_{4,1}^{(1,1)}[q](E',2)$, $\vec{\mathbb{Q}}_{4,2}^{(1,1)}[q](E',2)$

** symmetry

$$-\frac{\sqrt{5}\left(x-y\right)\left(x+y\right)\left(x^{2}+y^{2}-6z^{2}\right)}{4}$$

$$\frac{\sqrt{5}xy\left(x^{2}+y^{2}-6z^{2}\right)}{2}$$

** expression

$$-\frac{\sqrt{11}Q_{x}x\left(5x^{4}-4x^{2}y^{2}-46x^{2}z^{2}-9y^{4}+66y^{2}z^{2}+12z^{4}\right)}{44}-\frac{\sqrt{11}Q_{y}y\left(9x^{4}+4x^{2}y^{2}-66x^{2}z^{2}-5y^{4}+46y^{2}z^{2}-12z^{4}\right)}{44}-\frac{21\sqrt{11}Q_{z}z\left(x-y\right)\left(x+y\right)\left(x^{2}+y^{2}-2z^{2}\right)}{44}$$

$$\frac{\sqrt{11}Q_{x}y\left(6x^{4}+5x^{2}y^{2}-51x^{2}z^{2}-y^{4}+5y^{2}z^{2}+6z^{4}\right)}{22}-\frac{\sqrt{11}Q_{y}x\left(x^{4}-5x^{2}y^{2}-5x^{2}z^{2}-6y^{4}+51y^{2}z^{2}-6z^{4}\right)}{22}+\frac{21\sqrt{11}Q_{z}xyz\left(x^{2}+y^{2}-2z^{2}\right)}{22}$$

$\vec{\mathbb{Q}}_{4,1}^{(1,-1)}[q](E'')$, $\vec{\mathbb{Q}}_{4,2}^{(1,-1)}[q](E'')$

** symmetry

$$-\frac{\sqrt{10}yz\left(3x^{2}+3y^{2}-4z^{2}\right)}{4}$$

$$\frac{\sqrt{10}xz\left(3x^{2}+3y^{2}-4z^{2}\right)}{4}$$

** expression

$$-\frac{3\sqrt{70}Q_{x}xyz}{28}-\frac{\sqrt{70}Q_{y}z\left(3x^{2}+9y^{2}-4z^{2}\right)}{56}-\frac{3\sqrt{70}Q_{z}y\left(x^{2}+y^{2}-4z^{2}\right)}{56}$$

$$\frac{\sqrt{70}Q_{x}z\left(9x^{2}+3y^{2}-4z^{2}\right)}{56}+\frac{3\sqrt{70}Q_{y}xyz}{28}+\frac{3\sqrt{70}Q_{z}x\left(x^{2}+y^{2}-4z^{2}\right)}{56}$$

$\vec{\mathbb{Q}}_{4,1}^{(1,1)}[q](E'')$, $\vec{\mathbb{Q}}_{4,2}^{(1,1)}[q](E'')$

** symmetry

$$-\frac{\sqrt{10}yz\left(3x^{2}+3y^{2}-4z^{2}\right)}{4}$$

$$\frac{\sqrt{10}xz\left(3x^{2}+3y^{2}-4z^{2}\right)}{4}$$

** expression

$$-\frac{21\sqrt{22}Q_{x}xyz\left(x^{2}+y^{2}-2z^{2}\right)}{44}+\frac{\sqrt{22}Q_{y}z\left(3x^{4}-15x^{2}y^{2}-x^{2}z^{2}-18y^{4}+41y^{2}z^{2}-4z^{4}\right)}{44}+\frac{3\sqrt{22}Q_{z}y\left(x^{4}+2x^{2}y^{2}-12x^{2}z^{2}+y^{4}-12y^{2}z^{2}+8z^{4}\right)}{44}$$

$$\frac{\sqrt{22}Q_{x}z\left(18x^{4}+15x^{2}y^{2}-41x^{2}z^{2}-3y^{4}+y^{2}z^{2}+4z^{4}\right)}{44}+\frac{21\sqrt{22}Q_{y}xyz\left(x^{2}+y^{2}-2z^{2}\right)}{44}-\frac{3\sqrt{22}Q_{z}x\left(x^{4}+2x^{2}y^{2}-12x^{2}z^{2}+y^{4}-12y^{2}z^{2}+8z^{4}\right)}{44}$$