

No. 23 C_{6h} $6/m$ [hexagonal] (polar)

表 1 rank 0	
No.	expression
1	1

表 2 rank 1	
No.	expression
2	z
3	x
4	y

表 3 rank 2	
No.	expression
5	$-\frac{x^2}{2} - \frac{y^2}{2} + z^2$
6	$\sqrt{3}xz$
7	$\sqrt{3}yz$
8	$\frac{\sqrt{3}(x^2-y^2)}{2}$
9	$-\sqrt{3}xy$

表 4 rank 3	
No.	expression
10	$-\frac{z(3x^2+3y^2-2z^2)}{2}$
11	$\frac{\sqrt{10}y(3x^2-y^2)}{4}$
12	$\frac{\sqrt{10}x(x^2-3y^2)}{4}$
13	$\frac{\sqrt{6}x(-x^2-y^2+4z^2)}{4}$
14	$\frac{\sqrt{6}y(-x^2-y^2+4z^2)}{4}$
15	$\frac{\sqrt{15}z(x^2-y^2)}{2}$
16	$-\sqrt{15}xyz$

表 5 rank 4

No.	expression
17	$\frac{3x^4}{8} + \frac{3x^2y^2}{4} - 3x^2z^2 + \frac{3y^4}{8} - 3y^2z^2 + z^4$
18	$\frac{\sqrt{70}xz(x^2-3y^2)}{4}$
19	$\frac{\sqrt{70}yz(3x^2-y^2)}{4}$
20	$\frac{\sqrt{10}xz(-3x^2-3y^2+4z^2)}{4}$
21	$\frac{\sqrt{10}yz(-3x^2-3y^2+4z^2)}{4}$
22	$\frac{\sqrt{35}(x^4-6x^2y^2+y^4)}{8}$
23	$\frac{\sqrt{35}xy(x^2-y^2)}{2}$
24	$\frac{\sqrt{5}(-x^2+y^2)(x^2+y^2-6z^2)}{4}$
25	$\frac{\sqrt{5}xy(x^2+y^2-6z^2)}{2}$

表 6 rank 5

No.	expression
26	$\frac{z(15x^4+30x^2y^2-40x^2z^2+15y^4-40y^2z^2+8z^4)}{8}$
27	$-\frac{\sqrt{70}y(3x^2-y^2)(x^2+y^2-8z^2)}{16}$
28	$-\frac{\sqrt{70}x(x^2-3y^2)(x^2+y^2-8z^2)}{16}$
29	$\frac{3\sqrt{14}x(x^4-10x^2y^2+5y^4)}{16}$
30	$\frac{3\sqrt{14}y(-5x^4+10x^2y^2-y^4)}{16}$
31	$\frac{\sqrt{15}x(x^4+2x^2y^2-12x^2z^2+y^4-12y^2z^2+8z^4)}{8}$
32	$\frac{\sqrt{15}y(x^4+2x^2y^2-12x^2z^2+y^4-12y^2z^2+8z^4)}{8}$
33	$\frac{3\sqrt{35}z(x^4-6x^2y^2+y^4)}{8}$
34	$\frac{3\sqrt{35}xyz(x^2-y^2)}{2}$
35	$\frac{\sqrt{105}z(-x^2+y^2)(x^2+y^2-2z^2)}{4}$
36	$\frac{\sqrt{105}xyz(x^2+y^2-2z^2)}{2}$

表 7 rank 6

No.	expression
37	$-\frac{5x^6}{16} - \frac{15x^4y^2}{16} + \frac{45x^4z^2}{8} - \frac{15x^2y^4}{16} + \frac{45x^2y^2z^2}{4} - \frac{15x^2z^4}{2} - \frac{5y^6}{16} + \frac{45y^4z^2}{8} - \frac{15y^2z^4}{2} + z^6$
38	$\frac{\sqrt{462}(x-y)(x+y)(x^2-4xy+y^2)(x^2+4xy+y^2)}{32}$
39	$\frac{\sqrt{462}xy(x^2-3y^2)(3x^2-y^2)}{16}$
40	$-\frac{\sqrt{210}xz(x^2-3y^2)(3x^2+3y^2-8z^2)}{16}$
41	$-\frac{\sqrt{210}yz(3x^2-y^2)(3x^2+3y^2-8z^2)}{16}$
42	$\frac{3\sqrt{154}xz(x^4-10x^2y^2+5y^4)}{16}$
43	$\frac{3\sqrt{154}yz(-5x^4+10x^2y^2-y^4)}{16}$
44	$\frac{\sqrt{21}xz(5x^4+10x^2y^2-20x^2z^2+5y^4-20y^2z^2+8z^4)}{8}$
45	$\frac{\sqrt{21}yz(5x^4+10x^2y^2-20x^2z^2+5y^4-20y^2z^2+8z^4)}{8}$
46	$\frac{3\sqrt{7}(x^2+y^2-10z^2)(-x^4+6x^2y^2-y^4)}{8}$
47	$-\frac{3\sqrt{7}xy(x^2-y^2)(x^2+y^2-10z^2)}{4}$
48	$\frac{\sqrt{210}(x^2-y^2)(x^4+2x^2y^2-16x^2z^2+y^4-16y^2z^2+16z^4)}{32}$
49	$\frac{\sqrt{210}xy(-x^4-2x^2y^2+16x^2z^2-y^4+16y^2z^2-16z^4)}{16}$

表 8 rank 7

No.	expression
50	$\frac{\sqrt{6006}xyz(x^2-3y^2)(3x^2-y^2)}{16}$
51	$-\frac{z(35x^6+105x^4y^2-210x^4z^2+105x^2y^4-420x^2y^2z^2+168x^2z^4+35y^6-210y^4z^2+168y^2z^4-16z^6)}{16}$
52	$\frac{\sqrt{6006}z(x-y)(x+y)(x^2-4xy+y^2)(x^2+4xy+y^2)}{32}$
53	$\frac{\sqrt{21}y(3x^2-y^2)(3x^4+6x^2y^2-60x^2z^2+3y^4-60y^2z^2+80z^4)}{32}$
54	$\frac{\sqrt{21}x(x^2-3y^2)(3x^4+6x^2y^2-60x^2z^2+3y^4-60y^2z^2+80z^4)}{32}$
55	$\frac{\sqrt{429}x(x^6-21x^4y^2+35x^2y^4-7y^6)}{32}$
56	$\frac{\sqrt{429}y(7x^6-35x^4y^2+21x^2y^4-y^6)}{32}$
57	$\frac{\sqrt{231}x(x^2+y^2-12z^2)(-x^4+10x^2y^2-5y^4)}{32}$
58	$\frac{\sqrt{231}y(x^2+y^2-12z^2)(5x^4-10x^2y^2+y^4)}{32}$
59	$\frac{\sqrt{7}x(-5x^6-15x^4y^2+120x^4z^2-15x^2y^4+240x^2y^2z^2-240x^2z^4-5y^6+120y^4z^2-240y^2z^4+64z^6)}{32}$
60	$\frac{\sqrt{7}y(-5x^6-15x^4y^2+120x^4z^2-15x^2y^4+240x^2y^2z^2-240x^2z^4-5y^6+120y^4z^2-240y^2z^4+64z^6)}{32}$
61	$\frac{\sqrt{231}z(3x^2+3y^2-10z^2)(-x^4+6x^2y^2-y^4)}{16}$
62	$-\frac{\sqrt{231}xyz(x^2-y^2)(3x^2+3y^2-10z^2)}{4}$
63	$\frac{\sqrt{42}z(x^2-y^2)(15x^4+30x^2y^2-80x^2z^2+15y^4-80y^2z^2+48z^4)}{32}$
64	$\frac{\sqrt{42}xyz(-15x^4-30x^2y^2+80x^2z^2-15y^4+80y^2z^2-48z^4)}{16}$

表 9 rank 8

No.	expression
65	$\frac{35x^8}{128} + \frac{35x^6y^2}{32} - \frac{35x^6z^2}{4} + \frac{105x^4y^4}{64} - \frac{105x^4y^2z^2}{4} + \frac{105x^4z^4}{4} + \frac{35x^2y^6}{32} - \frac{105x^2y^4z^2}{4} + \frac{105x^2y^2z^4}{2} - 14x^2z^6 + \frac{35y^8}{128} - \frac{35y^6z^2}{4} + \frac{105y^4z^4}{4} - 14y^2z^6 + z^8$
66	$-\frac{\sqrt{858}(x-y)(x+y)(x^2+y^2-14z^2)(x^2-4xy+y^2)(x^2+4xy+y^2)}{64}$
67	$-\frac{\sqrt{858}xy(x^2-3y^2)(3x^2-y^2)(x^2+y^2-14z^2)}{32}$
68	$\frac{\sqrt{1155}xz(x^2-3y^2)(3x^4+6x^2y^2-20x^2z^2+3y^4-20y^2z^2+16z^4)}{32}$
69	$\frac{\sqrt{1155}yz(3x^2-y^2)(3x^4+6x^2y^2-20x^2z^2+3y^4-20y^2z^2+16z^4)}{32}$
70	$\frac{3\sqrt{715}xz(x^6-21x^4y^2+35x^2y^4-7y^6)}{32}$
71	$\frac{3\sqrt{715}yz(7x^6-35x^4y^2+21x^2y^4-y^6)}{32}$
72	$\frac{3\sqrt{1001}xz(x^2+y^2-4z^2)(-x^4+10x^2y^2-5y^4)}{32}$
73	$\frac{3\sqrt{1001}yz(x^2+y^2-4z^2)(5x^4-10x^2y^2+y^4)}{32}$
74	$\frac{3xz(-35x^6-105x^4y^2+280x^4z^2-105x^2y^4+560x^2y^2z^2-336x^2z^4-35y^6+280y^4z^2-336y^2z^4+64z^6)}{32}$
75	$\frac{3yz(-35x^6-105x^4y^2+280x^4z^2-105x^2y^4+560x^2y^2z^2-336x^2z^4-35y^6+280y^4z^2-336y^2z^4+64z^6)}{32}$
76	$\frac{3\sqrt{715}(x^8-28x^6y^2+70x^4y^4-28x^2y^6+y^8)}{128}$
77	$\frac{3\sqrt{715}xy(-x^6+7x^4y^2-7x^2y^4+y^6)}{16}$
78	$\frac{3\sqrt{77}(x^4-6x^2y^2+y^4)(x^4+2x^2y^2-24x^2z^2+y^4-24y^2z^2+40z^4)}{64}$
79	$\frac{3\sqrt{77}xy(x^2-y^2)(x^4+2x^2y^2-24x^2z^2+y^4-24y^2z^2+40z^4)}{16}$
80	$\frac{3\sqrt{70}(-x^2+y^2)(x^6+3x^4y^2-30x^4z^2+3x^2y^4-60x^2y^2z^2+80x^2z^4+y^6-30y^4z^2+80y^2z^4-32z^6)}{64}$
81	$\frac{3\sqrt{70}xy(x^6+3x^4y^2-30x^4z^2+3x^2y^4-60x^2y^2z^2+80x^2z^4+y^6-30y^4z^2+80y^2z^4-32z^6)}{32}$

表 10 rank 9

No.	expression
82	$-\frac{\sqrt{4290}xyz(x^2-3y^2)(3x^2-y^2)(3x^2+3y^2-14z^2)}{32}$
83	$\frac{z(315x^8+1260x^6y^2-3360x^6z^2+1890x^4y^4-10080x^4y^2z^2+6048x^4z^4+1260x^2y^6-10080x^2y^4z^2+12096x^2y^2z^4-2304x^2z^6+315y^8-3360y^6z^2+6048y^4z^4-2304y^2z^6+128z^8)}{128}$
84	$-\frac{\sqrt{4290}z(x-y)(x+y)(x^2-4xy+y^2)(x^2+4xy+y^2)(3x^2+3y^2-14z^2)}{64}$
85	$\frac{\sqrt{24310}y(3x^2-y^2)(3x^6-27x^4y^2+33x^2y^4-y^6)}{256}$
86	$-\frac{\sqrt{2310}y(3x^2-y^2)(x^6+3x^4y^2-36x^4z^2+3x^2y^4-72x^2y^2z^2+120x^2z^4+y^6-36y^4z^2+120y^2z^4-64z^6)}{128}$
87	$\frac{\sqrt{24310}x(x^2-3y^2)(x^6-33x^4y^2+27x^2y^4-3y^6)}{256}$
88	$-\frac{\sqrt{2310}x(x^2-3y^2)(x^6+3x^4y^2-36x^4z^2+3x^2y^4-72x^2y^2z^2+120x^2z^4+y^6-36y^4z^2+120y^2z^4-64z^6)}{128}$
89	$\frac{3\sqrt{1430}x(x^2+y^2-16z^2)(-x^6+21x^4y^2-35x^2y^4+7y^6)}{256}$
90	$-\frac{3\sqrt{1430}y(x^2+y^2-16z^2)(7x^6-35x^4y^2+21x^2y^4-y^6)}{256}$
91	$\frac{3\sqrt{286}x(x^4-10x^2y^2+5y^4)(x^4+2x^2y^2-28x^2z^2+y^4-28y^2z^2+56z^4)}{128}$
92	$-\frac{3\sqrt{286}y(5x^4-10x^2y^2+y^4)(x^4+2x^2y^2-28x^2z^2+y^4-28y^2z^2+56z^4)}{128}$
93	$\frac{3\sqrt{5}x(7x^8+28x^6y^2-280x^6z^2+42x^4y^4-840x^4y^2z^2+1120x^4z^4+28x^2y^6-840x^2y^4z^2+2240x^2y^2z^4-896x^2z^6+7y^8-280y^6z^2+1120y^4z^4-896y^2z^6+128z^8)}{128}$
94	$\frac{3\sqrt{5}y(7x^8+28x^6y^2-280x^6z^2+42x^4y^4-840x^4y^2z^2+1120x^4z^4+28x^2y^6-840x^2y^4z^2+2240x^2y^2z^4-896x^2z^6+7y^8-280y^6z^2+1120y^4z^4-896y^2z^6+128z^8)}{128}$
95	$\frac{3\sqrt{12155}z(x^8-28x^6y^2+70x^4y^4-28x^2y^6+y^8)}{128}$
96	$\frac{3\sqrt{12155}xyz(-x^6+7x^4y^2-7x^2y^4+y^6)}{16}$
97	$\frac{3\sqrt{5005}z(x^4-6x^2y^2+y^4)(x^4+2x^2y^2-8x^2z^2+y^4-8y^2z^2+8z^4)}{64}$
98	$\frac{3\sqrt{5005}xyz(x^2-y^2)(x^4+2x^2y^2-8x^2z^2+y^4-8y^2z^2+8z^4)}{16}$
99	$\frac{3\sqrt{110}z(-x^2+y^2)(7x^6+21x^4y^2-70x^4z^2+21x^2y^4-140x^2y^2z^2+112x^2z^4+7y^6-70y^4z^2+112y^2z^4-32z^6)}{64}$
100	$\frac{3\sqrt{110}xyz(7x^6+21x^4y^2-70x^4z^2+21x^2y^4-140x^2y^2z^2+112x^2z^4+7y^6-70y^4z^2+112y^2z^4-32z^6)}{32}$

表 11 rank 10

No.	expression
101	$-\frac{63x^{10}}{256} - \frac{315x^8y^2}{256} + \frac{1575x^8z^2}{128} - \frac{315x^6y^4}{128} + \frac{1575x^6y^2z^2}{32} - \frac{525x^6z^4}{8} - \frac{315x^4y^6}{128} + \frac{4725x^4y^4z^2}{64} - \frac{1575x^4y^2z^4}{8} + \frac{315x^4z^6}{4} - \frac{315x^2y^8}{256} + \frac{1575x^2y^6z^2}{32} - \frac{1575x^2y^4z^4}{8} + \frac{315x^2y^2z^6}{2} - \frac{45x^2z^8}{2} - \frac{63y^{10}}{256} + \frac{1575y^8z^2}{128} - \frac{525y^6z^4}{8} + \frac{315y^4z^6}{4} - \frac{45y^2z^8}{2} + z^{10}$
102	$\frac{\sqrt{4290}(x-y)(x+y)(x^2-4xy+y^2)(x^2+4xy+y^2)(3x^4+6x^2y^2-96x^2z^2+3y^4-96y^2z^2+224z^4)}{512}$
103	$\frac{\sqrt{4290}xy(x^2-3y^2)(3x^2-y^2)(3x^4+6x^2y^2-96x^2z^2+3y^4-96y^2z^2+224z^4)}{256}$
104	$\frac{\sqrt{461890}xz(x^2-3y^2)(x^6-33x^4y^2+27x^2y^4-3y^6)}{256}$
105	$-\frac{\sqrt{4290}xz(x^2-3y^2)(7x^6+21x^4y^2-84x^4z^2+21x^2y^4-168x^2y^2z^2+168x^2z^4+7y^6-84y^4z^2+168y^2z^4-64z^6)}{128}$
106	$\frac{\sqrt{461890}yz(x^2-3y^2)(3x^6-27x^4y^2+33x^2y^4-y^6)}{256}$
107	$-\frac{\sqrt{4290}yz(x^2-3y^2)(7x^6+21x^4y^2-84x^4z^2+21x^2y^4-168x^2y^2z^2+168x^2z^4+7y^6-84y^4z^2+168y^2z^4-64z^6)}{128}$
108	$\frac{\sqrt{72930}xz(3x^2+3y^2-16z^2)(-x^6+21x^4y^2-35x^2y^4+7y^6)}{128}$
109	$-\frac{\sqrt{72930}yz(3x^2+3y^2-16z^2)(7x^6-35x^4y^2+21x^2y^4-y^6)}{256}$
110	$\frac{\sqrt{858}xz(x^4-10x^2y^2+5y^4)(15x^4+30x^2y^2-140x^2z^2+15y^4-140y^2z^2+168z^4)}{128}$
111	$-\frac{\sqrt{858}yz(5x^4-10x^2y^2+y^4)(15x^4+30x^2y^2-140x^2z^2+15y^4-140y^2z^2+168z^4)}{128}$
112	$\frac{\sqrt{55}xz(63x^8+252x^6y^2-840x^6z^2+378x^4y^4-2520x^4y^2z^2+2016x^4z^4+252x^2y^6-2520x^2y^4z^2+4032x^2y^2z^4-1152x^2z^6+63y^8-840y^6z^2+2016y^4z^4-1152y^2z^6+128z^8)}{128}$
113	$\frac{\sqrt{55}yz(63x^8+252x^6y^2-840x^6z^2+378x^4y^4-2520x^4y^2z^2+2016x^4z^4+252x^2y^6-2520x^2y^4z^2+4032x^2y^2z^4-1152x^2z^6+63y^8-840y^6z^2+2016y^4z^4-1152y^2z^6+128z^8)}{128}$
114	$\frac{\sqrt{92378}(x^{10}-45x^8y^2+210x^6y^4-210x^4y^6+45x^2y^8-y^{10})}{512}$
115	$\frac{\sqrt{92378}xy(5x^8-60x^6y^2+126x^4y^4-60x^2y^6+5y^8)}{256}$
116	$\frac{\sqrt{12155}(x^2+y^2-18z^2)(-x^8+28x^6y^2-70x^4y^4+28x^2y^6-y^8)}{256}$
117	$\frac{\sqrt{12155}xy(x^2+y^2-18z^2)(x^6-7x^4y^2+7x^2y^4-y^6)}{32}$
118	$\frac{\sqrt{2145}(-x^4+6x^2y^2-y^4)(x^6+3x^4y^2-42x^4z^2+3x^2y^4-84x^2y^2z^2+168x^2z^4+y^6-42y^4z^2+168y^2z^4-112z^6)}{128}$
119	$-\frac{\sqrt{2145}xy(x^2-y^2)(x^6+3x^4y^2-42x^4z^2+3x^2y^4-84x^2y^2z^2+168x^2z^4+y^6-42y^4z^2+168y^2z^4-112z^6)}{128}$
120	$\frac{\sqrt{165}(x^2-y^2)(7x^8+28x^6y^2-336x^6z^2+42x^4y^4-1008x^4y^2z^2+1680x^4z^4+28x^2y^6-1008x^2y^4z^2+3360x^2y^2z^4-1792x^2z^6+7y^8-336y^6z^2+1680y^4z^4-1792y^2z^6+384z^8)}{256}$
121	$\frac{\sqrt{165}xy(-7x^8-28x^6y^2+336x^6z^2-42x^4y^4+1008x^4y^2z^2-1680x^4z^4-28x^2y^6+1008x^2y^4z^2-3360x^2y^2z^4+1792x^2z^6-7y^8+336y^6z^2-1680y^4z^4+1792y^2z^6-384z^8)}{128}$

表 12 rank 11

No.	expression
122	$\frac{\sqrt{14586}xyz(x^2-3y^2)(3x^2-y^2)(15x^4+30x^2y^2-160x^2z^2+15y^4-160y^2z^2+224z^4)}{256}$
123	$-\frac{z(693x^{10}+3465x^8y^2-11550x^8z^2+6930x^6y^4-46200x^6y^2z^2+36960x^6z^4+6930x^4y^6-69300x^4y^4z^2+110880x^4y^2z^4-31680x^4z^6+3465x^2y^8-46200x^2y^6z^2+110880x^2y^4z^4-63360x^2y^2z^6+7040x^2z^8+693y^{10}-11550y^8z^2+36960y^6z^4-31680y^4z^6+7040y^2z^8-256z^{10})}{256}$
124	$\frac{\sqrt{14586}z(x-y)(x+y)(x^2-4xy+y^2)(x^2+4xy+y^2)(15x^4+30x^2y^2-160x^2z^2+15y^4-160y^2z^2+224z^4)}{512}$
125	$-\frac{\sqrt{46189}y(3x^2-y^2)(x^2+y^2-20z^2)(3x^6-27x^4y^2+33x^2y^4-y^6)}{512}$
126	$\frac{\sqrt{30030}y(3x^2-y^2)(x^8+4x^6y^2-56x^6z^2+6x^4y^4-168x^4y^2z^2+336x^4z^4+4x^2y^6-168x^2y^4z^2+672x^2y^2z^4-448x^2z^6+y^8-56y^6z^2+336y^4z^4-448y^2z^6+128z^8)}{512}$
127	$-\frac{\sqrt{46189}x(x^2-3y^2)(x^2+y^2-20z^2)(x^6-33x^4y^2+27x^2y^4-3y^6)}{512}$
128	$\frac{\sqrt{30030}x(x^2-3y^2)(x^8+4x^6y^2-56x^6z^2+6x^4y^4-168x^4y^2z^2+336x^4z^4+4x^2y^6-168x^2y^4z^2+672x^2y^2z^4-448x^2z^6+y^8-56y^6z^2+336y^4z^4-448y^2z^6+128z^8)}{512}$
129	$\frac{\sqrt{88179}x(x^{10}-55x^8y^2+330x^6y^4-462x^4y^6+165x^2y^8-11y^{10})}{512}$
130	$\frac{\sqrt{88179}y(-11x^{10}+165x^8y^2-462x^6y^4+330x^4y^6-55x^2y^8+y^{10})}{512}$
131	$\frac{\sqrt{36465}x(x^6-21x^4y^2+35x^2y^4-7y^6)(x^4+2x^2y^2-36x^2z^2+y^4-36y^2z^2+96z^4)}{512}$
132	$\frac{\sqrt{36465}y(7x^6-35x^4y^2+21x^2y^4-y^6)(x^4+2x^2y^2-36x^2z^2+y^4-36y^2z^2+96z^4)}{512}$
133	$\frac{3\sqrt{143}x(-x^4+10x^2y^2-5y^4)(5x^6+15x^4y^2-240x^4z^2+15x^2y^4-480x^2y^2z^2+1120x^2z^4+5y^6-240y^4z^2+1120y^2z^4-896z^6)}{512}$
134	$\frac{3\sqrt{143}y(5x^4-10x^2y^2+y^4)(5x^6+15x^4y^2-240x^4z^2+15x^2y^4-480x^2y^2z^2+1120x^2z^4+5y^6-240y^4z^2+1120y^2z^4-896z^6)}{512}$
135	$\frac{\sqrt{66}x(-21x^{10}-105x^8y^2+1260x^8z^2-210x^6y^4+5040x^6y^2z^2-8400x^6z^4-210x^4y^6+7560x^4y^4z^2-25200x^4y^2z^4+13440x^4z^6-105x^2y^8+5040x^2y^6z^2-25200x^2y^4z^4+26880x^2y^2z^6-5760x^2z^8-21y^{10}+1260y^8z^2-8400y^6z^4+13440y^4z^6-5760y^2z^8+512z^{10})}{512}$
136	$\frac{\sqrt{66}y(-21x^{10}-105x^8y^2+1260x^8z^2-210x^6y^4+5040x^6y^2z^2-8400x^6z^4-210x^4y^6+7560x^4y^4z^2-25200x^4y^2z^4+13440x^4z^6-105x^2y^8+5040x^2y^6z^2-25200x^2y^4z^4+26880x^2y^2z^6-5760x^2z^8-21y^{10}+1260y^8z^2-8400y^6z^4+13440y^4z^6-5760y^2z^8+512z^{10})}{512}$
137	$\frac{\sqrt{1939938}z(x^{10}-45x^8y^2+210x^6y^4-210x^4y^6+45x^2y^8-y^{10})}{512}$
138	$\frac{\sqrt{1939938}xyz(5x^8-60x^6y^2+126x^4y^4-60x^2y^6+5y^8)}{256}$
139	$\frac{\sqrt{692835}z(x^2+y^2-6z^2)(-x^8+28x^6y^2-70x^4y^4+28x^2y^6-y^8)}{256}$
140	$\frac{\sqrt{692835}xyz(x^2+y^2-6z^2)(x^6-7x^4y^2+7x^2y^4-y^6)}{32}$
141	$\frac{3\sqrt{1001}z(-x^4+6x^2y^2-y^4)(5x^6+15x^4y^2-70x^4z^2+15x^2y^4-140x^2y^2z^2+168x^2z^4+5y^6-70y^4z^2+168y^2z^4-80z^6)}{128}$
142	$-\frac{3\sqrt{1001}xyz(x^2-y^2)(5x^6+15x^4y^2-70x^4z^2+15x^2y^4-140x^2y^2z^2+168x^2z^4+5y^6-70y^4z^2+168y^2z^4-80z^6)}{32}$
143	$\frac{\sqrt{2145}z(x^2-y^2)(21x^8+84x^6y^2-336x^6z^2+126x^4y^4-1008x^4y^2z^2+1008x^4z^4+84x^2y^6-1008x^2y^4z^2+2016x^2y^2z^4-768x^2z^6+21y^8-336y^6z^2+1008y^4z^4-768y^2z^6+128z^8)}{256}$
144	$\frac{\sqrt{2145}xyz(-21x^8-84x^6y^2+336x^6z^2-126x^4y^4+1008x^4y^2z^2-1008x^4z^4-84x^2y^6+1008x^2y^4z^2-2016x^2y^2z^4+768x^2z^6-21y^8+336y^6z^2-1008y^4z^4+768y^2z^6-128z^8)}{128}$