No. 22 C_{3h} -6 [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	$\frac{\sqrt{3}\left(x^2-y^2\right)}{2}$
7	$-\sqrt{3}xy$
8	$\sqrt{3}xz$
9	$\sqrt{3}yz$

表 4 rank 3

No.	expression
10	$\frac{\sqrt{10}y\left(3x^2-y^2\right)}{4}$
11	$\frac{\sqrt{10}x\left(x^2-3y^2\right)}{4}$
12	$-\frac{z\left(3x^2+3y^2-2z^2\right)}{2}$
13	$\frac{\sqrt{6}x\left(-x^2-y^2+4z^2\right)}{4}$
14	$\frac{\sqrt{6}y\left(-x^2-y^2+4z^2\right)}{4}$
15	$\frac{\sqrt{15}z\left(x^2-y^2\right)}{2}$
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	$\frac{\sqrt{70}xz\left(x^2-3y^2\right)}{4}$
19	$\frac{\sqrt{70}yz\left(3x^2-y^2\right)}{4}$
20	$\frac{\sqrt{35}\left(x^4-6x^2y^2+y^4\right)}{8}$
21	$\frac{\sqrt{35}xy\left(x^2-y^2\right)}{2}$
22	$\frac{\sqrt{5}\left(-x^2+y^2\right)\left(x^2+y^2-6z^2\right)}{4}$
23	$\frac{\sqrt{5}xy\left(x^2+y^2-6z^2\right)}{2}$
24	$\frac{\sqrt{10}xz\left(-3x^2-3y^2+4z^2\right)}{4}$
25	$\frac{\sqrt{10}yz\left(-3x^2-3y^2+4z^2\right)}{4}$

表 6　rank 5

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

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	$\frac{\sqrt{462}(x-y)(x+y)\left(x^2-4xy+y^2\right)\left(x^2+4xy+y^2\right)}{32}$
39	$\frac{\sqrt{462}xy\left(x^2-3y^2\right)\left(3x^2-y^2\right)}{16}$
40	$-\frac{\sqrt{210}xz\left(x^2-3y^2\right)\left(3x^2+3y^2-8z^2\right)}{16}$
41	$-\frac{\sqrt{210}yz\left(3x^2-y^2\right)\left(3x^2+3y^2-8z^2\right)}{16}$
42	$\frac{3\sqrt{7}\left(x^2+y^2-10z^2\right)\left(-x^4+6x^2y^2-y^4\right)}{16}$
43	$-\frac{3\sqrt{7}xy\left(x^2-y^2\right)\left(x^2+y^2-10z^2\right)}{4}$
44	$\frac{\sqrt{210}\left(x^2-y^2\right)\left(x^4+2x^2y^2-16x^2z^2+y^4-16y^2z^2+16z^4\right)}{32}$
45	$\frac{\sqrt{210}xy\left(-x^4-2x^2y^2+16x^2z^2-y^4+16y^2z^2-16z^4\right)}{16}$
46	$\frac{3\sqrt{154}xz\left(x^4-10x^2y^2+5y^4\right)}{16}$
47	$\frac{3\sqrt{154}yz\left(-5x^4+10x^2y^2-y^4\right)}{16}$
48	$\frac{\sqrt{21}xz\left(5x^4+10x^2y^2-20x^2z^2+5y^4-20y^2z^2+8z^4\right)}{8}$
49	$\frac{\sqrt{21}yz\left(5x^4+10x^2y^2-20x^2z^2+5y^4-20y^2z^2+8z^4\right)}{8}$

表 8　rank 7

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

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	$-\frac{\sqrt{858}(x-y)(x+y)\left(x^2+y^2-14z^2\right)\left(x^2-4xy+y^2\right)\left(x^2+4xy+y^2\right)}{64}$
67	$-\frac{\sqrt{858}xy\left(x^2-3y^2\right)\left(3x^2-y^2\right)\left(x^2+y^2-14z^2\right)}{32}$
68	$\frac{\sqrt{1155}xz\left(x^2-3y^2\right)\left(3x^4+6x^2y^2-20x^2z^2+3y^4-20y^2z^2+16z^4\right)}{32}$
69	$\frac{\sqrt{1155}yz\left(3x^2-y^2\right)\left(3x^4+6x^2y^2-20x^2z^2+3y^4-20y^2z^2+16z^4\right)}{32}$
70	$\frac{3\sqrt{715}\left(x^8-28x^6y^2+70x^4y^4-28x^2y^6+y^8\right)}{128}$
71	$\frac{3\sqrt{715}xy\left(-x^6+7x^4y^2-7x^2y^4+y^6\right)}{16}$
72	$\frac{3\sqrt{77}\left(x^4-6x^2y^2+y^4\right)\left(x^4+2x^2y^2-24x^2z^2+y^4-24y^2z^2+40z^4\right)}{64}$
73	$\frac{3\sqrt{77}xy\left(x^2-y^2\right)\left(x^4+2x^2y^2-24x^2z^2+y^4-24y^2z^2+40z^4\right)}{16}$
74	$\frac{3\sqrt{70}\left(-x^2+y^2\right)\left(x^6+3x^4y^2-30x^4z^2+3x^2y^4-60x^2y^2z^2+80x^2z^4+y^6-30y^4z^2+80y^2z^4-32z^6\right)}{64}$
75	$\frac{3\sqrt{70}xy\left(x^6+3x^4y^2-30x^4z^2+3x^2y^4-60x^2y^2z^2+80x^2z^4+y^6-30y^4z^2+80y^2z^4-32z^6\right)}{32}$
76	$\frac{3\sqrt{715}xz\left(x^6-21x^4y^2+35x^2y^4-7y^6\right)}{32}$
77	$\frac{3\sqrt{715}yz\left(7x^6-35x^4y^2+21x^2y^4-y^6\right)}{32}$
78	$\frac{3\sqrt{1001}xz\left(x^2+y^2-4z^2\right)\left(-x^4+10x^2y^2-5y^4\right)}{32}$
79	$\frac{3\sqrt{1001}yz\left(x^2+y^2-4z^2\right)\left(5x^4-10x^2y^2+y^4\right)}{32}$
80	$\frac{3xz\left(-35x^6-105x^4y^2+280x^4z^2-105x^2y^4+560x^2y^2z^2-336x^2z^4-35y^6+280y^4z^2-336y^2z^4+64z^6\right)}{32}$
81	$\frac{3yz\left(-35x^6-105x^4y^2+280x^4z^2-105x^2y^4+560x^2y^2z^2-336x^2z^4-35y^6+280y^4z^2-336y^2z^4+64z^6\right)}{32}$

表 10　rank 9

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

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	$\frac{\sqrt{4290}(x-y)(x+y)\left(x^2-4xy+y^2\right)\left(x^2+4xy+y^2\right)\left(3x^4+6x^2y^2-96x^2z^2+3y^4-96y^2z^2+224z^4\right)}{512}$
103	$\frac{\sqrt{4290}xy\left(x^2-3y^2\right)\left(3x^2-y^2\right)\left(3x^4+6x^2y^2-96x^2z^2+3y^4-96y^2z^2+224z^4\right)}{256}$
104	$\frac{\sqrt{461890}xz\left(x^2-3y^2\right)\left(x^6-33x^4y^2+27x^2y^4-3y^6\right)}{256}$
105	$-\frac{\sqrt{4290}xz\left(x^2-3y^2\right)\left(7x^6+21x^4y^2-84x^4z^2+21x^2y^4-168x^2y^2z^2+168x^2z^4+7y^6-84y^4z^2+168y^2z^4-64z^6\right)}{128}$
106	$\frac{\sqrt{461890}yz\left(3x^2-y^2\right)\left(3x^6-27x^4y^2+33x^2y^4-y^6\right)}{256}$
107	$-\frac{\sqrt{4290}yz\left(3x^2-y^2\right)\left(7x^6+21x^4y^2-84x^4z^2+21x^2y^4-168x^2y^2z^2+168x^2z^4+7y^6-84y^4z^2+168y^2z^4-64z^6\right)}{128}$
108	$\frac{\sqrt{92378}\left(x^{10}-45x^8y^2+210x^6y^4-210x^4y^6+45x^2y^8-y^{10}\right)}{512}$
109	$\frac{\sqrt{92378}xy\left(5x^8-60x^6y^2+126x^4y^4-60x^2y^6+5y^8\right)}{256}$
110	$\frac{\sqrt{12155}\left(x^2+y^2-18z^2\right)\left(-x^8+28x^6y^2-70x^4y^4+28x^2y^6-y^8\right)}{256}$
111	$\frac{\sqrt{12155}xy\left(x^2+y^2-18z^2\right)\left(x^6-7x^4y^2+7x^2y^4-y^6\right)}{32}$
112	$\frac{\sqrt{2145}\left(-x^4+6x^2y^2-y^4\right)\left(x^6+3x^4y^2-42x^4z^2+3x^2y^4-84x^2y^2z^2+168x^2z^4+y^6-42y^4z^2+168y^2z^4-112z^6\right)}{128}$
113	$-\frac{\sqrt{2145}xy\left(x^2-y^2\right)\left(x^6+3x^4y^2-42x^4z^2+3x^2y^4-84x^2y^2z^2+168x^2z^4+y^6-42y^4z^2+168y^2z^4-112z^6\right)}{32}$
114	$\frac{\sqrt{165}\left(x^2-y^2\right)\left(7x^8+28x^6y^2-336x^6z^2+42x^4y^4-1008x^4y^2z^2+1680x^4z^4+28x^2y^6-1008x^2y^4z^2+3360x^2y^2z^4-1792x^2z^6+7y^8-336y^6z^2+1680y^4z^4-1792y^2z^6+384z^8\right)}{256}$
115	$\frac{\sqrt{165}xy\left(-7x^8-28x^6y^2+336x^6z^2-42x^4y^4+1008x^4y^2z^2-1680x^4z^4-28x^2y^6+1008x^2y^4z^2-3360x^2y^2z^4+1792x^2z^6-7y^8+336y^6z^2-1680y^4z^4+1792y^2z^6-384z^8\right)}{128}$
116	$\frac{\sqrt{72930}xz\left(3x^2+3y^2-16z^2\right)\left(-x^6+21x^4y^2-35x^2y^4+7y^6\right)}{256}$
117	$-\frac{\sqrt{72930}yz\left(3x^2+3y^2-16z^2\right)\left(7x^6-35x^4y^2+21x^2y^4-y^6\right)}{256}$
118	$\frac{\sqrt{858}xz\left(x^4-10x^2y^2+5y^4\right)\left(15x^4+30x^2y^2-140x^2z^2+15y^4-140y^2z^2+168z^4\right)}{128}$
119	$-\frac{\sqrt{858}yz\left(5x^4-10x^2y^2+y^4\right)\left(15x^4+30x^2y^2-140x^2z^2+15y^4-140y^2z^2+168z^4\right)}{128}$
120	$\frac{\sqrt{55}xz\left(63x^8+252x^6y^2-840x^6z^2+378x^4y^4-2520x^4y^2z^2+2016x^4z^4+252x^2y^6-2520x^2y^4z^2+4032x^2y^2z^4-1152x^2z^6+63y^8-840y^6z^2+2016y^4z^4-1152y^2z^6+128z^8\right)}{128}$
121	$\frac{\sqrt{55}yz\left(63x^8+252x^6y^2-840x^6z^2+378x^4y^4-2520x^4y^2z^2+2016x^4z^4+252x^2y^6-2520x^2y^4z^2+4032x^2y^2z^4-1152x^2z^6+63y^8-840y^6z^2+2016y^4z^4-1152y^2z^6+128z^8\right)}{128}$

表12 rank 11

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