No. 24 D_6 622 [hexagonal] (axial)

表 1 rank 0

No.	irrep.	(tag)	mul.	comp.	harmonics	(tag)	definition
1	A_1	A1	_	_	$\mathbb{G}_0^{(h,A_1)}$	${\tt Gh}({\tt O},{\tt A1},,)$	C_0

表 2 rank 1

No.	irrep.	(tag)	mul.	comp.	harmonics	(tag)	definition
2	A_2	A2	-	-	$\mathbb{G}_1^{(h,A_2)}$	${\tt Gh(1,A2,,)}$	C_0
3	E_1	E1	_	0	$\mathbb{G}_{1,0}^{(h,E_1)}$	${\tt Gh(1,E1,,0)}$	$-S_1$
4	E_1	E1		1	$\mathbb{G}_{1,1}^{(h,E_1)}$	${\tt Gh(1,E1,,1)}$	C_1

表 3 rank 2

No.	irrep.	(tag)	mul.	comp.	harmonics	(tag)	definition
5	A_1	A1	_	_	$\mathbb{G}_2^{(h,A_1)}$	${\tt Gh(2,A1,,)}$	C_0
6	E_1	E1	_	0	$\mathbb{G}_{2,0}^{(h,E_1)}$	${\tt Gh(2,E1,,0)}$	C_1
7	E_1	E1	_	1	$\mathbb{G}_{2,1}^{(h,E_1)}$	${\tt Gh(2,E1,,1)}$	S_1
8	E_2	E2	_	0	$\mathbb{G}_{2,0}^{(h,E_2)}$	${\tt Gh(2,E2,,0)}$	S_2
9	E_2	E2	-	1	$\mathbb{G}_{2,1}^{(h,E_2)}$	$\mathtt{Gh}(\mathtt{2},\mathtt{E2},,\mathtt{1})$	C_2

表 4 rank 3

No.	irrep.	(tag)	mul.	comp.	harmonics	(tag)	definition
10	A_2	A2	_	_	$\mathbb{G}_3^{(h,A_2)}$	${\tt Gh(3,A2,,)}$	C_0
11	B_1	B1	_	_	$\mathbb{G}_3^{(h,B_1)}$	${\tt Gh(3,B1,,)}$	S_3
12	B_2	B2	_	_	$\mathbb{G}_3^{(h,B_2)}$	${\tt Gh(3,B2,,)}$	C_3
13	E_1	E1	_	0	$\mathbb{G}_{3,0}^{(h,E_1)}$	${\tt Gh(3,E1,,0)}$	$-S_1$
14	E_1	E1	_	1	$\mathbb{G}_{3,1}^{(h,E_1)}$	${\tt Gh(3,E1,,1)}$	C_1
15	E_2	E2	_	0	$\mathbb{G}_{3,0}^{(h,E_2)}$	${\tt Gh(3,E2,,0)}$	C_2
16	E_2	E2	_	1	$\mathbb{G}_{3,1}^{(h,E_2)}$	${\tt Gh(3,E2,,1)}$	$-S_2$

表 5 rank 4

No.	irrep.	(tag)	mul.	comp.	harmonics	(tag)	definition
17	A_1	A1	_	_	$\mathbb{G}_4^{(h,A_1)}$	${\tt Gh(4,A1,,)}$	C_0
18	B_1	B1	_	_	$\mathbb{G}_4^{(h,B_1)}$	${\tt Gh(4,B1,,)}$	C_3
19	B_2	B2	_	_	$\mathbb{G}_4^{(h,B_2)}$	${\tt Gh(4,B2,,)}$	S_3
20	E_1	E1	_	0	$\mathbb{G}_{4,0}^{(h,E_1)}$	${\tt Gh(4,E1,,0)}$	C_1
21	E_1	E1	_	1	$\mathbb{G}_{4,1}^{(h,E_1)}$	${\tt Gh(4,E1,,1)}$	S_1
22	E_2	E2	1	0	$\mathbb{G}_{4,0}^{(h,E_2,1)}$	${\tt Gh(4,E2,1,0)}$	$-S_4$
23	E_2	E2	1	1	$\mathbb{G}_{4,1}^{(h,E_2,1)}$	${\tt Gh(4,E2,1,1)}$	C_4
24	E_2	E2	2	0	$\mathbb{G}_{4,0}^{(h,E_2,2)}$	${\tt Gh(4,E2,2,0)}$	S_2
25	E_2	E2	2	1	$\mathbb{G}_{4,1}^{(h,E_2,2)}$	${\tt Gh(4,E2,2,1)}$	C_2

表 6 rank 5

No.	irrep.	(tag)	mul.	comp.	harmonics	(tag)	definition
26	A_2	A2	_	_	$\mathbb{G}_{5}^{(h,A_{2})}$	${\tt Gh}({\tt 5},{\tt A2},,)$	C_0
27	B_1	B1	_	_	$\mathbb{G}_5^{(h,B_1)}$	${\tt Gh(5,B1,,)}$	S_3
28	B_2	B2	_	_	$\mathbb{G}_5^{(h,B_2)}$	${\tt Gh(5,B2,,)}$	C_3
29	E_1	E1	1	0	$\mathbb{G}_{5,0}^{(h,E_1,1)}$	${\tt Gh(5,E1,1,0)}$	S_5
30	E_1	E1	1	1	$\mathbb{G}_{5,1}^{(h,E_1,1)}$	${\tt Gh(5,E1,1,1)}$	C_5
31	E_1	E1	2	0	$\mathbb{G}_{5,0}^{(h,E_1,2)}$	${\tt Gh}({\tt 5},{\tt E1},{\tt 2},{\tt 0})$	$-S_1$
32	E_1	E1	2	1	$\mathbb{G}_{5,1}^{(h,E_1,2)}$	${\tt Gh(5,E1,2,1)}$	C_1
33	E_2	E2	1	0	$\mathbb{G}_{5,0}^{(h,E_2,1)}$	${\tt Gh(5,E2,1,0)}$	C_4
34	E_2	E2	1	1	$\mathbb{G}_{5,1}^{(h,E_2,1)}$	${\tt Gh(5,E2,1,1)}$	S_4
35	E_2	E2	2	0	$\mathbb{G}_{5,0}^{(h,E_2,2)}$	${\tt Gh(5,E2,2,0)}$	C_2
36	E_2	E2	2	1	$\mathbb{G}_{5,1}^{(h,E_2,2)}$	${\tt Gh(5,E2,2,1)}$	$-S_2$

表 7 rank 6

No.	irrep.	(tag)	mul.	comp.	harmonics	(tag)	definition
37	A_1	A1	1	_	$\mathbb{G}_6^{(h,A_1,1)}$	${\tt Gh(6,A1,1,)}$	C_0
38	A_1	A1	2	_	$\mathbb{G}_6^{(h,A_1,2)}$	${\tt Gh}(6,{\tt A1},2,)$	C_6
39	A_2	A2	_	_	$\mathbb{G}_6^{(h,A_2)}$	${\tt Gh(6,A2,,)}$	S_6
40	B_1	B1	_	_	$\mathbb{G}_6^{(h,B_1)}$	${\tt Gh(6,B1,,)}$	C_3
41	B_2	B2	_	-	$\mathbb{G}_6^{(h,B_2)}$	${\tt Gh(6,B2,,)}$	S_3
42	E_1	E1	1	0	$\mathbb{G}_{6,0}^{(h,E_1,1)}$	${\tt Gh}(6,{\tt E1},1,0)$	C_5
43	E_1	E1	1	1	$\mathbb{G}_{6,1}^{(h,E_1,1)}$	${\tt Gh}(6,{\tt E1},1,1)$	$-S_5$
44	E_1	E1	2	0	$\mathbb{G}_{6,0}^{(h,E_1,2)}$	${\tt Gh}(6,{\tt E1},2,0)$	C_1
45	E_1	E1	2	1	$\mathbb{G}_{6,1}^{(h,E_1,2)}$	${\tt Gh}(6,{\tt E1},2,1)$	S_1
46	E_2	E2	1	0	$\mathbb{G}_{6,0}^{(h,E_2,1)}$	${\tt Gh}(6,{\tt E2},1,0)$	$-S_4$
47	E_2	E2	1	1	$\mathbb{G}_{6,1}^{(h,E_2,1)}$	${\tt Gh}(6,{\tt E2},1,1)$	C_4
48	E_2	E2	2	0	$\mathbb{G}_{6,0}^{(h,E_2,2)}$	${\tt Gh}(6,{\tt E2},2,0)$	S_2
49	E_2	E2	2	1	$\mathbb{G}_{6,1}^{(h,E_2,2)}$	${\tt Gh}(6,{\tt E2},2,1)$	C_2

表 8 rank 7

No.	irrep.	(tag)	mul.	comp.	harmonics	(tag)	definition
50	A_1	A1	_	_	$\mathbb{G}_7^{(h,A_1)}$	${\tt Gh(7,A1,,)}$	S_6
51	A_2	A2	1	-	$\mathbb{G}_7^{(h,A_2,1)}$	${\tt Gh(7,A2,1,)}$	C_0
52	A_2	A2	2	_	$\mathbb{G}_7^{(h,A_2,2)}$	${\tt Gh(7,A2,2,)}$	C_6
53	B_1	B1	_	_	$\mathbb{G}_7^{(h,B_1)}$	${\tt Gh(7,B1,,)}$	S_3
54	B_2	B2	_	_	$\mathbb{G}_7^{(h,B_2)}$	${\tt Gh(7,B2,,)}$	C_3
55	E_1	E1	1	0	$\mathbb{G}_{7,0}^{(h,E_1,1)}$	${\tt Gh}(7,{\tt E1},1,0)$	$-S_7$
56	E_1	E1	1	1	$\mathbb{G}_{7,1}^{(h,E_1,1)}$	${\tt Gh}(7,{\tt E1},1,1)$	C_7
57	E_1	E1	2	0	$\mathbb{G}_{7,0}^{(h,E_1,2)}$	${\tt Gh(7,E1,2,0)}$	S_5
58	E_1	E1	2	1	$\mathbb{G}_{7,1}^{(h,E_1,2)}$	${\tt Gh}(7,{\tt E1},2,1)$	C_5
59	E_1	E1	3	0	$\mathbb{G}_{7,0}^{(h,E_1,3)}$	${\tt Gh}(7,{\tt E1},3,0)$	$-S_1$
60	E_1	E1	3	1	$\mathbb{G}_{7,1}^{(h,E_1,3)}$	${\tt Gh}(7,{\tt E1},3,1)$	C_1
61	E_2	E2	1	0	$\mathbb{G}_{7,0}^{(h,E_2,1)}$	${\tt Gh}(7,{\tt E2},1,0)$	C_4
62	E_2	E2	1	1	$\mathbb{G}_{7,1}^{(h,E_2,1)}$	${\tt Gh}(7,{\tt E2},1,1)$	S_4
63	E_2	E2	2	0	$\mathbb{G}_{7,0}^{(h,E_2,2)}$	${\tt Gh}(7,{\tt E2},2,0)$	C_2
64	E_2	E2	2	1	$\mathbb{G}_{7,1}^{(h,E_2,2)}$	${\tt Gh}(7,{\tt E2},2,1)$	$-S_2$

表 9 rank 8

No.	irrep.	(tag)	mul.	comp.	harmonics	(tag)	definition
65	A_1	A1	1	_	$\mathbb{G}_8^{(h,A_1,1)}$	Gh(8, A1, 1,)	C_0
66	A_1	A1	2	_	$\mathbb{G}_8^{(h,A_1,2)}$	${\tt Gh(8,A1,2,)}$	C_6
67	A_2	A2	_	_	$\mathbb{G}_8^{(h,A_2)}$	${\tt Gh(8,A2,,)}$	S_6
68	B_1	B1	_	_	$\mathbb{G}_8^{(h,B_1)}$	${\tt Gh(8,B1,,)}$	C_3
69	B_2	B2	_	_	$\mathbb{G}_8^{(h,B_2)}$	${\tt Gh(8,B2,,)}$	S_3
70	E_1	E1	1	0	$\mathbb{G}_{8,0}^{(h,E_1,1)}$	${\tt Gh(8,E1,1,0)}$	C_7
71	E_1	E1	1	1	$\mathbb{G}_{8,1}^{(h,E_1,1)}$	${\tt Gh(8,E1,1,1)}$	S_7
72	E_1	E1	2	0	$\mathbb{G}_{8,0}^{(h,E_1,2)}$	${\tt Gh(8,E1,2,0)}$	C_5
73	E_1	E1	2	1	$\mathbb{G}_{8,1}^{(h,E_1,2)}$	${\tt Gh(8,E1,2,1)}$	$-S_5$
74	E_1	E1	3	0	$\mathbb{G}_{8,0}^{(h,E_1,3)}$	${\tt Gh(8,E1,3,0)}$	C_1
75	E_1	E1	3	1	$\mathbb{G}_{8,1}^{(h,E_1,3)}$	${\tt Gh(8,E1,3,1)}$	S_1
76	E_2	E2	1	0	$\mathbb{G}_{8,0}^{(h,E_2,1)}$	${\tt Gh(8,E2,1,0)}$	S_8
77	E_2	E2	1	1	$\mathbb{G}_{8,1}^{(h,E_2,1)}$	${\tt Gh(8,E2,1,1)}$	C_8
78	E_2	E2	2	0	$\mathbb{G}_{8,0}^{(h,E_2,2)}$	${\tt Gh(8,E2,2,0)}$	$-S_4$
79	E_2	E2	2	1	$\mathbb{G}_{8,1}^{(h,E_2,2)}$	${\tt Gh(8,E2,2,1)}$	C_4
80	E_2	E2	3	0	$\mathbb{G}_{8,0}^{(h,E_2,3)}$	${\tt Gh(8,E2,3,0)}$	S_2
81	E_2	E2	3	1	$\mathbb{G}_{8,1}^{(h,E_2,3)}$	${\tt Gh(8,E2,3,1)}$	C_2

表 10 rank 9

No.	irrep.	(tag)	mul.	comp.	harmonics	(tag)	definition
82	A_1	A1	_	_	$\mathbb{G}_9^{(h,A_1)}$	${\tt Gh(9,A1,,)}$	S_6
83	A_2	A2	1	_	$\mathbb{G}_9^{(h,A_2,1)}$	${\tt Gh(9,A2,1,)}$	C_0
84	A_2	A2	2	_	$\mathbb{G}_9^{(h,A_2,2)}$	${\tt Gh(9,A2,2,)}$	C_6
85	B_1	B1	1	_	$\mathbb{G}_9^{(h,B_1,1)}$	${\tt Gh(9,B1,1,)}$	S_9
86	B_1	B1	2	_	$\mathbb{G}_9^{(h,B_1,2)}$	${\tt Gh(9,B1,2,)}$	S_3
87	B_2	B2	1	_	$\mathbb{G}_9^{(h,B_2,1)}$	${\tt Gh(9,B2,1,)}$	C_9
88	B_2	B2	2	_	$\mathbb{G}_9^{(h,B_2,2)}$	${\tt Gh(9,B2,2,)}$	C_3
89	E_1	E1	1	0	$\mathbb{G}_{9,0}^{(h,E_1,1)}$	${\tt Gh(9,E1,1,0)}$	$-S_7$
90	E_1	E1	1	1	$\mathbb{G}_{9,1}^{(h,E_1,1)}$	${\tt Gh(9,E1,1,1)}$	C_7
91	E_1	E1	2	0	$\mathbb{G}_{9,0}^{(h,E_1,2)}$	${\tt Gh(9,E1,2,0)}$	S_5
92	E_1	E1	2	1	$\mathbb{G}_{9,1}^{(h,E_1,2)}$	${\tt Gh(9,E1,2,1)}$	C_5
93	E_1	E1	3	0	$\mathbb{G}_{9,0}^{(h,E_1,3)}$	${\tt Gh(9,E1,3,0)}$	$-S_1$
94	E_1	E1	3	1	$\mathbb{G}_{9,1}^{(h,E_1,3)}$	${\tt Gh(9,E1,3,1)}$	C_1
95	E_2	E2	1	0	$\mathbb{G}_{9,0}^{(h,E_2,1)}$	${\tt Gh(9,E2,1,0)}$	C_8
96	E_2	E2	1	1	$\mathbb{G}_{9,1}^{(h,E_2,1)}$	${\tt Gh(9,E2,1,1)}$	$-S_8$
97	E_2	E2	2	0	$\mathbb{G}_{9,0}^{(h,E_2,2)}$	${\tt Gh(9,E2,2,0)}$	C_4
98	E_2	E2	2	1	$\mathbb{G}_{9,1}^{(h,E_2,2)}$	${\tt Gh(9,E2,2,1)}$	S_4
99	E_2	E2	3	0	$\mathbb{G}_{9,0}^{(h,E_2,3)}$	${\tt Gh(9,E2,3,0)}$	C_2
100	E_2	E2	3	1	$\mathbb{G}_{9,1}^{(h,E_2,3)}$	Gh(9, E2, 3, 1)	$-S_2$

表 11 rank 10

No.	irrep.	(tag)	mul.	comp.	harmonics	(tag)	definition
101	A_1	A1	1	-	$\mathbb{G}_{10}^{(h,A_1,1)}$	${\tt Gh(10,A1,1,)}$	C_0
102	A_1	A1	2	_	$\mathbb{G}_{10}^{(h,A_1,2)}$	${\tt Gh(10,A1,2,)}$	C_6
103	A_2	A2	_	_	$\mathbb{G}_{10}^{(h,A_2)}$	${\tt Gh(10,A2,,)}$	S_6
104	B_1	B1	1	_	$\mathbb{G}_{10}^{(h,B_1,1)}$	$\mathtt{Gh}(\mathtt{10},\mathtt{B1},\mathtt{1},)$	C_9
105	B_1	B1	2	_	$\mathbb{G}_{10}^{(h,B_1,2)}$	${\tt Gh(10,B1,2,)}$	C_3
106	B_2	B2	1	_	$\mathbb{G}_{10}^{(h,B_2,1)}$	$\mathtt{Gh}(\mathtt{10},\mathtt{B2},\mathtt{1},)$	S_9
107	B_2	B2	2	_	$\mathbb{G}_{10}^{(h,B_2,2)}$	${\tt Gh(10,B2,2,)}$	S_3
108	E_1	E1	1	0	$\mathbb{G}_{10,0}^{(h,E_1,1)}$	$\mathtt{Gh}(\mathtt{10},\mathtt{E1},\mathtt{1},\mathtt{0})$	C_7
109	E_1	E1	1	1	$\mathbb{G}_{10,1}^{(h,E_1,1)}$	$\mathtt{Gh}(\mathtt{10},\mathtt{E1},\mathtt{1},\mathtt{1})$	S_7
110	E_1	E1	2	0	$\mathbb{G}_{10,0}^{(h,E_1,2)}$	${\tt Gh(10,E1,2,0)}$	C_5
111	E_1	E1	2	1	$\mathbb{G}_{10,1}^{(h,E_1,2)}$	${\tt Gh(10,E1,2,1)}$	$-S_5$
112	E_1	E1	3	0	$\mathbb{G}_{10,0}^{(h,E_1,3)}$	${\tt Gh}({\tt 10},{\tt E1},{\tt 3},{\tt 0})$	C_1
113	E_1	E1	3	1	$\mathbb{G}_{10,1}^{(h,E_1,3)}$	${\tt Gh}({\tt 10},{\tt E1},{\tt 3},{\tt 1})$	S_1
114	E_2	E2	1	0	$\mathbb{G}_{10,0}^{(h,E_2,1)}$	${\tt Gh(10,E2,1,0)}$	$-S_{10}$
115	E_2	E2	1	1	$\mathbb{G}_{10,1}^{(h,E_2,1)}$	${\tt Gh(10,E2,1,1)}$	C_{10}
116	E_2	E2	2	0	$\mathbb{G}_{10,0}^{(h,E_2,2)}$	${\tt Gh(10,E2,2,0)}$	S_8
117	E_2	E2	2	1	$\mathbb{G}_{10,1}^{(h,E_2,2)}$	${\tt Gh(10,E2,2,1)}$	C_8
118	E_2	E2	3	0	$\mathbb{G}_{10,0}^{(h,E_2,3)}$	${\tt Gh(10,E2,3,0)}$	$-S_4$
119	E_2	E2	3	1	$\mathbb{G}_{10,1}^{(h,E_2,3)}$	${\tt Gh(10,E2,3,1)}$	C_4
120	E_2	E2	4	0	$\mathbb{G}_{10,0}^{(h,E_2,4)}$	${\tt Gh(10,E2,4,0)}$	S_2
121	E_2	E2	4	1	$\mathbb{G}_{10,1}^{(h,E_2,4)}$	Gh(10, E2, 4, 1)	C_2

表 12 rank 11

No.	irrep.	(tag)	mul.	comp.	harmonics	(tag)	definition
122	A_1	A1	_	_	$\mathbb{G}_{11}^{(h,A_1)}$	${\tt Gh(11,A1,,)}$	S_6
123	A_2	A2	1	_	$\mathbb{G}_{11}^{(h,A_2,1)}$	${\tt Gh(11,A2,1,)}$	C_0
124	A_2	A2	2	-	$\mathbb{G}_{11}^{(h,A_2,2)}$	${\tt Gh(11,A2,2,)}$	C_6
125	B_1	B1	1	=	$\mathbb{G}_{11}^{(h,B_1,1)}$	${\tt Gh(11,B1,1,)}$	S_9
126	B_1	B1	2	-	$\mathbb{G}_{11}^{(h,B_1,2)}$	${\tt Gh(11,B1,2,)}$	S_3
127	B_2	B2	1	_	$\mathbb{G}_{11}^{(h,B_2,1)}$	$\mathtt{Gh}(\mathtt{11},\mathtt{B2},\mathtt{1},)$	C_9
128	B_2	B2	2	_	$\mathbb{G}_{11}^{(h,B_2,2)}$	${\tt Gh(11,B2,2,)}$	C_3
129	E_1	E1	1	0	$\mathbb{G}_{11,0}^{(h,E_1,1)}$	${\tt Gh(11,E1,1,0)}$	S_{11}
130	E_1	E1	1	1	$\mathbb{G}_{11,1}^{(h,E_1,1)}$	$\mathtt{Gh}(\mathtt{11},\mathtt{E1},\mathtt{1},\mathtt{1})$	C_{11}
131	E_1	E1	2	0	$\mathbb{G}_{11,0}^{(h,E_1,2)}$	${\tt Gh(11,E1,2,0)}$	$-S_7$
132	E_1	E1	2	1	$\mathbb{G}_{11,1}^{(h,E_1,2)}$	$\mathtt{Gh}(\mathtt{11},\mathtt{E1},\mathtt{2},\mathtt{1})$	C_7
133	E_1	E1	3	0	$\mathbb{G}_{11,0}^{(h,E_1,3)}$	${\tt Gh(11,E1,3,0)}$	S_5
134	E_1	E1	3	1	$\mathbb{G}_{11,1}^{(h,E_1,3)}$	${\tt Gh(11,E1,3,1)}$	C_5
135	E_1	E1	4	0	$\mathbb{G}_{11,0}^{(h,E_1,4)}$	${\tt Gh(11,E1,4,0)}$	$-S_1$
136	E_1	E1	4	1	$\mathbb{G}_{11,1}^{(h,E_1,4)}$	$\mathtt{Gh}(\mathtt{11},\mathtt{E1},\mathtt{4},\mathtt{1})$	C_1
137	E_2	E2	1	0	$\mathbb{G}_{11,0}^{(h,E_2,1)}$	$\mathtt{Gh}(\mathtt{11},\mathtt{E2},\mathtt{1},\mathtt{0})$	C_{10}
138	E_2	E2	1	1	$\mathbb{G}_{11,1}^{(h,E_2,1)}$	$\mathtt{Gh}(\mathtt{11},\mathtt{E2},\mathtt{1},\mathtt{1})$	S_{10}
139	E_2	E2	2	0	$\mathbb{G}_{11,0}^{(h,E_2,2)}$	${\tt Gh(11,E2,2,0)}$	C_8
140	E_2	E2	2	1	$\mathbb{G}_{11,1}^{(h,E_2,2)}$	$\mathtt{Gh}(\mathtt{11},\mathtt{E2},\mathtt{2},\mathtt{1})$	$-S_8$
141	E_2	E2	3	0	$\mathbb{G}_{11,0}^{(h,E_2,3)}$	${\tt Gh(11,E2,3,0)}$	C_4
142	E_2	E2	3	1	$\mathbb{G}_{11,1}^{(h,E_2,3)}$	${\tt Gh(11,E2,3,1)}$	S_4
143	E_2	E2	4	0	$\mathbb{G}_{11,0}^{(h,E_2,4)}$	$\mathtt{Gh}(\mathtt{11},\mathtt{E2},\mathtt{4},\mathtt{0})$	C_2
144	E_2	E2	4	1	$\mathbb{G}_{11,1}^{(h,E_2,4)}$	${\tt Gh(11,E2,4,1)}$	$-S_2$