

Table 1: Wyckoff site: 8a, site symmetry: 23 .

No.	position	mapping
1	$[0, 0, 0]$	$[1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12]$
2	$[\frac{1}{2}, \frac{1}{2}, \frac{1}{2}]$	$[13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24]$
3	$[0, \frac{1}{2}, \frac{1}{2}]$	$[25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36]$
4	$[\frac{1}{2}, 0, 0]$	$[37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48]$
5	$[\frac{1}{2}, 0, \frac{1}{2}]$	$[49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60]$
6	$[0, \frac{1}{2}, 0]$	$[61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72]$
7	$[\frac{1}{2}, \frac{1}{2}, 0]$	$[73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84]$
8	$[0, 0, \frac{1}{2}]$	$[85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96]$

Table 2: Wyckoff site: 8b, site symmetry: 23 .

No.	position	mapping
1	$[\frac{1}{4}, \frac{1}{4}, \frac{1}{4}]$	$[1, 5, 6, 26, 34, 35, 51, 55, 60, 76, 80, 81]$
2	$[\frac{1}{4}, \frac{3}{4}, \frac{3}{4}]$	$[2, 10, 11, 25, 29, 30, 52, 56, 57, 75, 79, 84]$
3	$[\frac{3}{4}, \frac{1}{4}, \frac{3}{4}]$	$[3, 7, 12, 28, 32, 33, 49, 53, 54, 74, 82, 83]$
4	$[\frac{3}{4}, \frac{3}{4}, \frac{1}{4}]$	$[4, 8, 9, 27, 31, 36, 50, 58, 59, 73, 77, 78]$
5	$[\frac{1}{4}, \frac{3}{4}, \frac{1}{4}]$	$[13, 18, 23, 38, 39, 43, 68, 70, 72, 88, 89, 93]$
6	$[\frac{1}{4}, \frac{1}{4}, \frac{3}{4}]$	$[14, 15, 19, 37, 42, 47, 64, 65, 69, 92, 94, 96]$
7	$[\frac{3}{4}, \frac{1}{4}, \frac{1}{4}]$	$[16, 17, 21, 44, 46, 48, 62, 63, 67, 85, 90, 95]$
8	$[\frac{3}{4}, \frac{3}{4}, \frac{3}{4}]$	$[20, 22, 24, 40, 41, 45, 61, 66, 71, 86, 87, 91]$

Table 3: Wyckoff site: 24c, site symmetry: $-4'..$

No.	position	mapping
1	$[0, \frac{1}{4}, \frac{1}{4}]$	$[1, 26, 62, 85]$
2	$[0, \frac{3}{4}, \frac{3}{4}]$	$[2, 25, 61, 86]$
3	$[0, \frac{1}{4}, \frac{3}{4}]$	$[3, 28, 69, 94]$
4	$[0, \frac{3}{4}, \frac{1}{4}]$	$[4, 27, 70, 93]$
5	$[\frac{1}{4}, 0, \frac{1}{4}]$	$[5, 43, 60, 89]$
6	$[\frac{1}{4}, \frac{1}{4}, 0]$	$[6, 47, 64, 81]$
7	$[\frac{3}{4}, \frac{1}{4}, 0]$	$[7, 48, 63, 83]$
8	$[\frac{3}{4}, 0, \frac{1}{4}]$	$[8, 44, 58, 90]$
9	$[\frac{3}{4}, \frac{3}{4}, 0]$	$[9, 40, 71, 78]$
10	$[\frac{1}{4}, 0, \frac{3}{4}]$	$[10, 42, 56, 92]$
11	$[\frac{1}{4}, \frac{3}{4}, 0]$	$[11, 39, 72, 79]$
12	$[\frac{3}{4}, 0, \frac{3}{4}]$	$[12, 41, 53, 91]$
13	$[\frac{1}{2}, \frac{3}{4}, \frac{1}{4}]$	$[13, 38, 50, 73]$
14	$[\frac{1}{2}, \frac{1}{4}, \frac{3}{4}]$	$[14, 37, 49, 74]$
15	$[\frac{1}{4}, \frac{1}{4}, \frac{1}{2}]$	$[15, 35, 55, 96]$

continued ...

Table 3

No.	position	mapping
16	$[\frac{3}{4}, \frac{1}{4}, \frac{1}{2}]$	[16, 33, 54, 95]
17	$[\frac{3}{4}, \frac{1}{2}, \frac{1}{4}]$	[17, 36, 67, 77]
18	$[\frac{1}{4}, \frac{1}{2}, \frac{1}{4}]$	[18, 34, 68, 80]
19	$[\frac{1}{4}, \frac{1}{2}, \frac{3}{4}]$	[19, 29, 65, 84]
20	$[\frac{3}{4}, \frac{1}{2}, \frac{3}{4}]$	[20, 32, 66, 82]
21	$[\frac{1}{2}, \frac{1}{4}, \frac{1}{4}]$	[21, 46, 51, 76]
22	$[\frac{1}{2}, \frac{3}{4}, \frac{3}{4}]$	[22, 45, 52, 75]
23	$[\frac{1}{4}, \frac{3}{4}, \frac{1}{2}]$	[23, 30, 57, 88]
24	$[\frac{3}{4}, \frac{3}{4}, \frac{1}{2}]$	[24, 31, 59, 87]

Table 4: Wyckoff site: 24d, site symmetry: $-4'.$

No.	position	mapping
1	$[\frac{1}{4}, 0, 0]$	[1, 2, 37, 38]
2	$[\frac{3}{4}, 0, 0]$	[3, 4, 45, 46]
3	$[0, \frac{1}{4}, 0]$	[5, 12, 65, 67]
4	$[0, 0, \frac{1}{4}]$	[6, 9, 88, 95]
5	$[0, 0, \frac{3}{4}]$	[7, 11, 87, 96]
6	$[0, \frac{3}{4}, 0]$	[8, 10, 66, 68]
7	$[\frac{1}{4}, \frac{1}{2}, \frac{1}{2}]$	[13, 14, 25, 26]
8	$[\frac{1}{2}, \frac{1}{2}, \frac{3}{4}]$	[15, 24, 79, 83]
9	$[\frac{1}{2}, \frac{1}{2}, \frac{1}{4}]$	[16, 23, 78, 81]
10	$[\frac{1}{2}, \frac{1}{4}, \frac{1}{2}]$	[17, 19, 53, 60]
11	$[\frac{1}{2}, \frac{3}{4}, \frac{1}{2}]$	[18, 20, 56, 58]
12	$[\frac{3}{4}, \frac{1}{2}, \frac{1}{2}]$	[21, 22, 27, 28]
13	$[0, \frac{3}{4}, \frac{1}{2}]$	[29, 36, 89, 91]
14	$[0, \frac{1}{2}, \frac{3}{4}]$	[30, 33, 64, 71]
15	$[0, \frac{1}{2}, \frac{1}{4}]$	[31, 35, 63, 72]
16	$[0, \frac{1}{4}, \frac{1}{2}]$	[32, 34, 90, 92]
17	$[\frac{1}{2}, 0, \frac{1}{4}]$	[39, 48, 55, 59]
18	$[\frac{1}{2}, 0, \frac{3}{4}]$	[40, 47, 54, 57]
19	$[\frac{1}{2}, \frac{3}{4}, 0]$	[41, 43, 77, 84]
20	$[\frac{1}{2}, \frac{1}{4}, 0]$	[42, 44, 80, 82]
21	$[\frac{3}{4}, 0, \frac{1}{2}]$	[49, 50, 85, 86]
22	$[\frac{1}{4}, 0, \frac{1}{2}]$	[51, 52, 93, 94]
23	$[\frac{3}{4}, \frac{1}{2}, 0]$	[61, 62, 73, 74]
24	$[\frac{1}{4}, \frac{1}{2}, 0]$	[69, 70, 75, 76]

Table 5: Wyckoff site: **32e**, site symmetry: $\bar{3}$.

No.	position	mapping
1	$[x, x, x]$	$[1, 5, 6]$
2	$[x, -x, -x]$	$[2, 10, 11]$
3	$[-x, x, -x]$	$[3, 7, 12]$
4	$[-x, -x, x]$	$[4, 8, 9]$
5	$[\frac{1}{2} - x, x + \frac{1}{2}, \frac{1}{2} - x]$	$[13, 18, 23]$
6	$[\frac{1}{2} - x, \frac{1}{2} - x, x + \frac{1}{2}]$	$[14, 15, 19]$
7	$[x + \frac{1}{2}, \frac{1}{2} - x, \frac{1}{2} - x]$	$[16, 17, 21]$
8	$[x + \frac{1}{2}, x + \frac{1}{2}, x + \frac{1}{2}]$	$[20, 22, 24]$
9	$[x, x + \frac{1}{2}, x + \frac{1}{2}]$	$[25, 29, 30]$
10	$[x, \frac{1}{2} - x, \frac{1}{2} - x]$	$[26, 34, 35]$
11	$[-x, x + \frac{1}{2}, \frac{1}{2} - x]$	$[27, 31, 36]$
12	$[-x, \frac{1}{2} - x, x + \frac{1}{2}]$	$[28, 32, 33]$
13	$[\frac{1}{2} - x, x, -x]$	$[37, 42, 47]$
14	$[\frac{1}{2} - x, -x, x]$	$[38, 39, 43]$
15	$[x + \frac{1}{2}, -x, -x]$	$[40, 41, 45]$
16	$[x + \frac{1}{2}, x, x]$	$[44, 46, 48]$
17	$[x + \frac{1}{2}, x, x + \frac{1}{2}]$	$[49, 53, 54]$
18	$[x + \frac{1}{2}, -x, \frac{1}{2} - x]$	$[50, 58, 59]$
19	$[\frac{1}{2} - x, x, \frac{1}{2} - x]$	$[51, 55, 60]$
20	$[\frac{1}{2} - x, -x, x + \frac{1}{2}]$	$[52, 56, 57]$
21	$[-x, x + \frac{1}{2}, -x]$	$[61, 66, 71]$
22	$[-x, \frac{1}{2} - x, x]$	$[62, 63, 67]$
23	$[x, \frac{1}{2} - x, -x]$	$[64, 65, 69]$
24	$[x, x + \frac{1}{2}, x]$	$[68, 70, 72]$
25	$[x + \frac{1}{2}, x + \frac{1}{2}, x]$	$[73, 77, 78]$
26	$[x + \frac{1}{2}, \frac{1}{2} - x, -x]$	$[74, 82, 83]$
27	$[\frac{1}{2} - x, x + \frac{1}{2}, -x]$	$[75, 79, 84]$
28	$[\frac{1}{2} - x, \frac{1}{2} - x, x]$	$[76, 80, 81]$
29	$[-x, x, \frac{1}{2} - x]$	$[85, 90, 95]$
30	$[-x, -x, x + \frac{1}{2}]$	$[86, 87, 91]$
31	$[x, -x, \frac{1}{2} - x]$	$[88, 89, 93]$
32	$[x, x, x + \frac{1}{2}]$	$[92, 94, 96]$

Table 6: Wyckoff site: **48f**, site symmetry: $2\bar{1}$.

No.	position	mapping
1	$[x, 0, 0]$	$[1, 2]$
2	$[-x, 0, 0]$	$[3, 4]$
3	$[0, x, 0]$	$[5, 12]$
4	$[0, 0, x]$	$[6, 9]$
5	$[0, 0, -x]$	$[7, 11]$
6	$[0, -x, 0]$	$[8, 10]$
7	$[\frac{1}{2} - x, \frac{1}{2}, \frac{1}{2}]$	$[13, 14]$

continued ...

Table 6

No.	position	mapping
8	$[\frac{1}{2}, \frac{1}{2}, x + \frac{1}{2}]$	[15, 24]
9	$[\frac{1}{2}, \frac{1}{2}, \frac{1}{2} - x]$	[16, 23]
10	$[\frac{1}{2}, \frac{1}{2} - x, \frac{1}{2}]$	[17, 19]
11	$[\frac{1}{2}, x + \frac{1}{2}, \frac{1}{2}]$	[18, 20]
12	$[x + \frac{1}{2}, \frac{1}{2}, \frac{1}{2}]$	[21, 22]
13	$[x, \frac{1}{2}, \frac{1}{2}]$	[25, 26]
14	$[-x, \frac{1}{2}, \frac{1}{2}]$	[27, 28]
15	$[0, x + \frac{1}{2}, \frac{1}{2}]$	[29, 36]
16	$[0, \frac{1}{2}, x + \frac{1}{2}]$	[30, 33]
17	$[0, \frac{1}{2}, \frac{1}{2} - x]$	[31, 35]
18	$[0, \frac{1}{2} - x, \frac{1}{2}]$	[32, 34]
19	$[\frac{1}{2} - x, 0, 0]$	[37, 38]
20	$[\frac{1}{2}, 0, x]$	[39, 48]
21	$[\frac{1}{2}, 0, -x]$	[40, 47]
22	$[\frac{1}{2}, -x, 0]$	[41, 43]
23	$[\frac{1}{2}, x, 0]$	[42, 44]
24	$[x + \frac{1}{2}, 0, 0]$	[45, 46]
25	$[x + \frac{1}{2}, 0, \frac{1}{2}]$	[49, 50]
26	$[\frac{1}{2} - x, 0, \frac{1}{2}]$	[51, 52]
27	$[\frac{1}{2}, x, \frac{1}{2}]$	[53, 60]
28	$[\frac{1}{2}, 0, x + \frac{1}{2}]$	[54, 57]
29	$[\frac{1}{2}, 0, \frac{1}{2} - x]$	[55, 59]
30	$[\frac{1}{2}, -x, \frac{1}{2}]$	[56, 58]
31	$[-x, \frac{1}{2}, 0]$	[61, 62]
32	$[0, \frac{1}{2}, x]$	[63, 72]
33	$[0, \frac{1}{2}, -x]$	[64, 71]
34	$[0, \frac{1}{2} - x, 0]$	[65, 67]
35	$[0, x + \frac{1}{2}, 0]$	[66, 68]
36	$[x, \frac{1}{2}, 0]$	[69, 70]
37	$[x + \frac{1}{2}, \frac{1}{2}, 0]$	[73, 74]
38	$[\frac{1}{2} - x, \frac{1}{2}, 0]$	[75, 76]
39	$[\frac{1}{2}, x + \frac{1}{2}, 0]$	[77, 84]
40	$[\frac{1}{2}, \frac{1}{2}, x]$	[78, 81]
41	$[\frac{1}{2}, \frac{1}{2}, -x]$	[79, 83]
42	$[\frac{1}{2}, \frac{1}{2} - x, 0]$	[80, 82]
43	$[-x, 0, \frac{1}{2}]$	[85, 86]
44	$[0, 0, x + \frac{1}{2}]$	[87, 96]
45	$[0, 0, \frac{1}{2} - x]$	[88, 95]
46	$[0, -x, \frac{1}{2}]$	[89, 91]
47	$[0, x, \frac{1}{2}]$	[90, 92]
48	$[x, 0, \frac{1}{2}]$	[93, 94]

Table 7: Wyckoff site: 48g, site symmetry: 2. .

No.	position	mapping
1	$[x, \frac{1}{4}, \frac{1}{4}]$	[1,26]
2	$[x, \frac{3}{4}, \frac{3}{4}]$	[2,25]
3	$[-x, \frac{1}{4}, \frac{3}{4}]$	[3,28]
4	$[-x, \frac{3}{4}, \frac{1}{4}]$	[4,27]
5	$[\frac{1}{4}, x, \frac{1}{4}]$	[5,60]
6	$[\frac{1}{4}, \frac{1}{4}, x]$	[6,81]
7	$[\frac{3}{4}, \frac{1}{4}, -x]$	[7,83]
8	$[\frac{3}{4}, -x, \frac{1}{4}]$	[8,58]
9	$[\frac{3}{4}, \frac{3}{4}, x]$	[9,78]
10	$[\frac{1}{4}, -x, \frac{3}{4}]$	[10,56]
11	$[\frac{1}{4}, \frac{3}{4}, -x]$	[11,79]
12	$[\frac{3}{4}, x, \frac{3}{4}]$	[12,53]
13	$[\frac{1}{2} - x, \frac{3}{4}, \frac{1}{4}]$	[13,38]
14	$[\frac{1}{2} - x, \frac{1}{4}, \frac{3}{4}]$	[14,37]
15	$[\frac{1}{4}, \frac{1}{4}, x + \frac{1}{2}]$	[15,96]
16	$[\frac{3}{4}, \frac{1}{4}, \frac{1}{2} - x]$	[16,95]
17	$[\frac{3}{4}, \frac{1}{2} - x, \frac{1}{4}]$	[17,67]
18	$[\frac{1}{4}, x + \frac{1}{2}, \frac{1}{4}]$	[18,68]
19	$[\frac{1}{4}, \frac{1}{2} - x, \frac{3}{4}]$	[19,65]
20	$[\frac{3}{4}, x + \frac{1}{2}, \frac{3}{4}]$	[20,66]
21	$[x + \frac{1}{2}, \frac{1}{4}, \frac{1}{4}]$	[21,46]
22	$[x + \frac{1}{2}, \frac{3}{4}, \frac{3}{4}]$	[22,45]
23	$[\frac{1}{4}, \frac{3}{4}, \frac{1}{2} - x]$	[23,88]
24	$[\frac{3}{4}, \frac{3}{4}, x + \frac{1}{2}]$	[24,87]
25	$[\frac{1}{4}, x + \frac{1}{2}, \frac{3}{4}]$	[29,84]
26	$[\frac{1}{4}, \frac{3}{4}, x + \frac{1}{2}]$	[30,57]
27	$[\frac{3}{4}, \frac{3}{4}, \frac{1}{2} - x]$	[31,59]
28	$[\frac{3}{4}, \frac{1}{2} - x, \frac{3}{4}]$	[32,82]
29	$[\frac{3}{4}, \frac{1}{4}, x + \frac{1}{2}]$	[33,54]
30	$[\frac{1}{4}, \frac{1}{2} - x, \frac{1}{4}]$	[34,80]
31	$[\frac{1}{4}, \frac{1}{4}, \frac{1}{2} - x]$	[35,55]
32	$[\frac{3}{4}, x + \frac{1}{2}, \frac{1}{4}]$	[36,77]
33	$[\frac{1}{4}, \frac{3}{4}, x]$	[39,72]
34	$[\frac{3}{4}, \frac{3}{4}, -x]$	[40,71]
35	$[\frac{3}{4}, -x, \frac{3}{4}]$	[41,91]
36	$[\frac{1}{4}, x, \frac{3}{4}]$	[42,92]
37	$[\frac{1}{4}, -x, \frac{1}{4}]$	[43,89]
38	$[\frac{3}{4}, x, \frac{1}{4}]$	[44,90]
39	$[\frac{1}{4}, \frac{1}{4}, -x]$	[47,64]
40	$[\frac{3}{4}, \frac{1}{4}, x]$	[48,63]
41	$[x + \frac{1}{2}, \frac{1}{4}, \frac{3}{4}]$	[49,74]
42	$[x + \frac{1}{2}, \frac{3}{4}, \frac{1}{4}]$	[50,73]
43	$[\frac{1}{2} - x, \frac{1}{4}, \frac{1}{4}]$	[51,76]
44	$[\frac{1}{2} - x, \frac{3}{4}, \frac{3}{4}]$	[52,75]
45	$[-x, \frac{3}{4}, \frac{3}{4}]$	[61,86]
46	$[-x, \frac{1}{4}, \frac{1}{4}]$	[62,85]

continued ...

Table 7

No.	position	mapping
47	$[x, \frac{1}{4}, \frac{3}{4}]$	[69, 94]
48	$[x, \frac{3}{4}, \frac{1}{4}]$	[70, 93]

Table 8: Wyckoff site: **96h**, site symmetry: 1

No.	position	mapping
1	$[x, y, z]$	[1]
2	$[x, -y, -z]$	[2]
3	$[-x, y, -z]$	[3]
4	$[-x, -y, z]$	[4]
5	$[z, x, y]$	[5]
6	$[y, z, x]$	[6]
7	$[-y, z, -x]$	[7]
8	$[-z, -x, y]$	[8]
9	$[-y, -z, x]$	[9]
10	$[z, -x, -y]$	[10]
11	$[y, -z, -x]$	[11]
12	$[-z, x, -y]$	[12]
13	$[\frac{1}{2} - x, z + \frac{1}{2}, \frac{1}{2} - y]$	[13]
14	$[\frac{1}{2} - x, \frac{1}{2} - z, y + \frac{1}{2}]$	[14]
15	$[\frac{1}{2} - z, \frac{1}{2} - y, x + \frac{1}{2}]$	[15]
16	$[z + \frac{1}{2}, \frac{1}{2} - y, \frac{1}{2} - x]$	[16]
17	$[y + \frac{1}{2}, \frac{1}{2} - x, \frac{1}{2} - z]$	[17]
18	$[\frac{1}{2} - y, x + \frac{1}{2}, \frac{1}{2} - z]$	[18]
19	$[\frac{1}{2} - y, \frac{1}{2} - x, z + \frac{1}{2}]$	[19]
20	$[y + \frac{1}{2}, x + \frac{1}{2}, z + \frac{1}{2}]$	[20]
21	$[x + \frac{1}{2}, \frac{1}{2} - z, \frac{1}{2} - y]$	[21]
22	$[x + \frac{1}{2}, z + \frac{1}{2}, y + \frac{1}{2}]$	[22]
23	$[\frac{1}{2} - z, y + \frac{1}{2}, \frac{1}{2} - x]$	[23]
24	$[z + \frac{1}{2}, y + \frac{1}{2}, x + \frac{1}{2}]$	[24]
25	$[x, y + \frac{1}{2}, z + \frac{1}{2}]$	[25]
26	$[x, \frac{1}{2} - y, \frac{1}{2} - z]$	[26]
27	$[-x, y + \frac{1}{2}, \frac{1}{2} - z]$	[27]
28	$[-x, \frac{1}{2} - y, z + \frac{1}{2}]$	[28]
29	$[z, x + \frac{1}{2}, y + \frac{1}{2}]$	[29]
30	$[y, z + \frac{1}{2}, x + \frac{1}{2}]$	[30]
31	$[-y, z + \frac{1}{2}, \frac{1}{2} - x]$	[31]
32	$[-z, \frac{1}{2} - x, y + \frac{1}{2}]$	[32]
33	$[-y, \frac{1}{2} - z, x + \frac{1}{2}]$	[33]
34	$[z, \frac{1}{2} - x, \frac{1}{2} - y]$	[34]
35	$[y, \frac{1}{2} - z, \frac{1}{2} - x]$	[35]
36	$[-z, x + \frac{1}{2}, \frac{1}{2} - y]$	[36]
37	$[\frac{1}{2} - x, z, -y]$	[37]
38	$[\frac{1}{2} - x, -z, y]$	[38]

continued ...

Table 8

No.	position	mapping
39	$[\frac{1}{2} - z, -y, x]$	[39]
40	$[z + \frac{1}{2}, -y, -x]$	[40]
41	$[y + \frac{1}{2}, -x, -z]$	[41]
42	$[\frac{1}{2} - y, x, -z]$	[42]
43	$[\frac{1}{2} - y, -x, z]$	[43]
44	$[y + \frac{1}{2}, x, z]$	[44]
45	$[x + \frac{1}{2}, -z, -y]$	[45]
46	$[x + \frac{1}{2}, z, y]$	[46]
47	$[\frac{1}{2} - z, y, -x]$	[47]
48	$[z + \frac{1}{2}, y, x]$	[48]
49	$[x + \frac{1}{2}, y, z + \frac{1}{2}]$	[49]
50	$[x + \frac{1}{2}, -y, \frac{1}{2} - z]$	[50]
51	$[\frac{1}{2} - x, y, \frac{1}{2} - z]$	[51]
52	$[\frac{1}{2} - x, -y, z + \frac{1}{2}]$	[52]
53	$[z + \frac{1}{2}, x, y + \frac{1}{2}]$	[53]
54	$[y + \frac{1}{2}, z, x + \frac{1}{2}]$	[54]
55	$[\frac{1}{2} - y, z, \frac{1}{2} - x]$	[55]
56	$[\frac{1}{2} - z, -x, y + \frac{1}{2}]$	[56]
57	$[\frac{1}{2} - y, -z, x + \frac{1}{2}]$	[57]
58	$[z + \frac{1}{2}, -x, \frac{1}{2} - y]$	[58]
59	$[y + \frac{1}{2}, -z, \frac{1}{2} - x]$	[59]
60	$[\frac{1}{2} - z, x, \frac{1}{2} - y]$	[60]
61	$[-x, z + \frac{1}{2}, -y]$	[61]
62	$[-x, \frac{1}{2} - z, y]$	[62]
63	$[-z, \frac{1}{2} - y, x]$	[63]
64	$[z, \frac{1}{2} - y, -x]$	[64]
65	$[y, \frac{1}{2} - x, -z]$	[65]
66	$[-y, x + \frac{1}{2}, -z]$	[66]
67	$[-y, \frac{1}{2} - x, z]$	[67]
68	$[y, x + \frac{1}{2}, z]$	[68]
69	$[x, \frac{1}{2} - z, -y]$	[69]
70	$[x, z + \frac{1}{2}, y]$	[70]
71	$[-z, y + \frac{1}{2}, -x]$	[71]
72	$[z, y + \frac{1}{2}, x]$	[72]
73	$[x + \frac{1}{2}, y + \frac{1}{2}, z]$	[73]
74	$[x + \frac{1}{2}, \frac{1}{2} - y, -z]$	[74]
75	$[\frac{1}{2} - x, y + \frac{1}{2}, -z]$	[75]
76	$[\frac{1}{2} - x, \frac{1}{2} - y, z]$	[76]
77	$[z + \frac{1}{2}, x + \frac{1}{2}, y]$	[77]
78	$[y + \frac{1}{2}, z + \frac{1}{2}, x]$	[78]
79	$[\frac{1}{2} - y, z + \frac{1}{2}, -x]$	[79]
80	$[\frac{1}{2} - z, \frac{1}{2} - x, y]$	[80]
81	$[\frac{1}{2} - y, \frac{1}{2} - z, x]$	[81]
82	$[z + \frac{1}{2}, \frac{1}{2} - x, -y]$	[82]
83	$[y + \frac{1}{2}, \frac{1}{2} - z, -x]$	[83]
84	$[\frac{1}{2} - z, x + \frac{1}{2}, -y]$	[84]
85	$[-x, z, \frac{1}{2} - y]$	[85]

continued ...

Table 8

No.	position	mapping
86	$[-x, -z, y + \frac{1}{2}]$	[86]
87	$[-z, -y, x + \frac{1}{2}]$	[87]
88	$[z, -y, \frac{1}{2} - x]$	[88]
89	$[y, -x, \frac{1}{2} - z]$	[89]
90	$[-y, x, \frac{1}{2} - z]$	[90]
91	$[-y, -x, z + \frac{1}{2}]$	[91]
92	$[y, x, z + \frac{1}{2}]$	[92]
93	$[x, -z, \frac{1}{2} - y]$	[93]
94	$[x, z, y + \frac{1}{2}]$	[94]
95	$[-z, y, \frac{1}{2} - x]$	[95]
96	$[z, y, x + \frac{1}{2}]$	[96]