

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

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

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

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

Table 3: Wyckoff site: 16c, site symmetry: $.32$

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

continued ...

Table 3

No.	position	mapping
16	$[\frac{5}{8}, \frac{5}{8}, \frac{1}{8}]$	[73,84,86,88,89,90]

Table 4: Wyckoff site: 16d, site symmetry: $\cdot 32$

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

Table 5: Wyckoff site: 32e, site symmetry: $\cdot 3$.

No.	position	mapping
1	$[x, x, x]$	[1,17,18]
2	$[x + \frac{1}{4}, \frac{1}{4} - x, x + \frac{1}{4}]$	[2,7,15]
3	$[x + \frac{1}{4}, x + \frac{1}{4}, \frac{1}{4} - x]$	[3,4,11]
4	$[\frac{1}{4} - x, x + \frac{1}{4}, x + \frac{1}{4}]$	[5,6,13]
5	$[x, -x, -x]$	[8,22,23]
6	$[-x, x, -x]$	[9,19,24]
7	$[-x, -x, x]$	[10,20,21]
8	$[\frac{1}{4} - x, \frac{1}{4} - x, \frac{1}{4} - x]$	[12,14,16]
9	$[x, x + \frac{1}{2}, x + \frac{1}{2}]$	[25,41,42]
10	$[x + \frac{1}{4}, \frac{3}{4} - x, x + \frac{3}{4}]$	[26,31,39]
11	$[x + \frac{1}{4}, x + \frac{3}{4}, \frac{3}{4} - x]$	[27,28,35]
12	$[\frac{1}{4} - x, x + \frac{3}{4}, x + \frac{3}{4}]$	[29,30,37]
13	$[x, \frac{1}{2} - x, \frac{1}{2} - x]$	[32,46,47]
14	$[-x, x + \frac{1}{2}, \frac{1}{2} - x]$	[33,43,48]
15	$[-x, \frac{1}{2} - x, x + \frac{1}{2}]$	[34,44,45]
16	$[\frac{1}{4} - x, \frac{3}{4} - x, \frac{3}{4} - x]$	[36,38,40]
17	$[x + \frac{1}{2}, x, x + \frac{1}{2}]$	[49,65,66]

continued ...

Table 5

No.	position	mapping
18	$[x + \frac{3}{4}, \frac{1}{4} - x, x + \frac{3}{4}]$	[50,55,63]
19	$[x + \frac{3}{4}, x + \frac{1}{4}, \frac{3}{4} - x]$	[51,52,59]
20	$[\frac{3}{4} - x, x + \frac{1}{4}, x + \frac{3}{4}]$	[53,54,61]
21	$[x + \frac{1}{2}, -x, \frac{1}{2} - x]$	[56,70,71]
22	$[\frac{1}{2} - x, x, \frac{1}{2} - x]$	[57,67,72]
23	$[\frac{1}{2} - x, -x, x + \frac{1}{2}]$	[58,68,69]
24	$[\frac{3}{4} - x, \frac{1}{4} - x, \frac{3}{4} - x]$	[60,62,64]
25	$[x + \frac{1}{2}, x + \frac{1}{2}, x]$	[73,89,90]
26	$[x + \frac{3}{4}, \frac{3}{4} - x, x + \frac{1}{4}]$	[74,79,87]
27	$[x + \frac{3}{4}, x + \frac{3}{4}, \frac{1}{4} - x]$	[75,76,83]
28	$[\frac{3}{4} - x, x + \frac{3}{4}, x + \frac{1}{4}]$	[77,78,85]
29	$[x + \frac{1}{2}, \frac{1}{2} - x, -x]$	[80,94,95]
30	$[\frac{1}{2} - x, x + \frac{1}{2}, -x]$	[81,91,96]
31	$[\frac{1}{2} - x, \frac{1}{2} - x, x]$	[82,92,93]
32	$[\frac{3}{4} - x, \frac{3}{4} - x, \frac{1}{4} - x]$	[84,86,88]

Table 6: Wyckoff site: **48f**, site symmetry: $2..$

No.	position	mapping
1	$[x, 0, 0]$	[1,8]
2	$[x + \frac{1}{4}, \frac{1}{4}, \frac{1}{4}]$	[2,3]
3	$[\frac{1}{4}, \frac{1}{4}, \frac{1}{4} - x]$	[4,16]
4	$[\frac{1}{4}, \frac{1}{4}, x + \frac{1}{4}]$	[5,15]
5	$[\frac{1}{4}, x + \frac{1}{4}, \frac{1}{4}]$	[6,11]
6	$[\frac{1}{4}, \frac{1}{4} - x, \frac{1}{4}]$	[7,12]
7	$[-x, 0, 0]$	[9,10]
8	$[\frac{1}{4} - x, \frac{1}{4}, \frac{1}{4}]$	[13,14]
9	$[0, x, 0]$	[17,24]
10	$[0, 0, x]$	[18,21]
11	$[0, 0, -x]$	[19,23]
12	$[0, -x, 0]$	[20,22]
13	$[x, \frac{1}{2}, \frac{1}{2}]$	[25,32]
14	$[x + \frac{1}{4}, \frac{3}{4}, \frac{3}{4}]$	[26,27]
15	$[\frac{1}{4}, \frac{3}{4}, \frac{3}{4} - x]$	[28,40]
16	$[\frac{1}{4}, \frac{3}{4}, x + \frac{3}{4}]$	[29,39]
17	$[\frac{1}{4}, x + \frac{3}{4}, \frac{3}{4}]$	[30,35]
18	$[\frac{1}{4}, \frac{3}{4} - x, \frac{3}{4}]$	[31,36]
19	$[-x, \frac{1}{2}, \frac{1}{2}]$	[33,34]
20	$[\frac{1}{4} - x, \frac{3}{4}, \frac{3}{4}]$	[37,38]
21	$[0, x + \frac{1}{2}, \frac{1}{2}]$	[41,48]
22	$[0, \frac{1}{2}, x + \frac{1}{2}]$	[42,45]
23	$[0, \frac{1}{2}, \frac{1}{2} - x]$	[43,47]
24	$[0, \frac{1}{2} - x, \frac{1}{2}]$	[44,46]
25	$[x + \frac{1}{2}, 0, \frac{1}{2}]$	[49,56]

continued ...

Table 6

No.	position	mapping
26	$[x + \frac{3}{4}, \frac{1}{4}, \frac{3}{4}]$	[50, 51]
27	$[\frac{3}{4}, \frac{1}{4}, \frac{3}{4} - x]$	[52, 64]
28	$[\frac{3}{4}, \frac{1}{4}, x + \frac{3}{4}]$	[53, 63]
29	$[\frac{3}{4}, x + \frac{1}{4}, \frac{3}{4}]$	[54, 59]
30	$[\frac{3}{4}, \frac{1}{4} - x, \frac{3}{4}]$	[55, 60]
31	$[\frac{1}{2} - x, 0, \frac{1}{2}]$	[57, 58]
32	$[\frac{3}{4} - x, \frac{1}{4}, \frac{3}{4}]$	[61, 62]
33	$[\frac{1}{2}, x, \frac{1}{2}]$	[65, 72]
34	$[\frac{1}{2}, 0, x + \frac{1}{2}]$	[66, 69]
35	$[\frac{1}{2}, 0, \frac{1}{2} - x]$	[67, 71]
36	$[\frac{1}{2}, -x, \frac{1}{2}]$	[68, 70]
37	$[x + \frac{1}{2}, \frac{1}{2}, 0]$	[73, 80]
38	$[x + \frac{3}{4}, \frac{3}{4}, \frac{1}{4}]$	[74, 75]
39	$[\frac{3}{4}, \frac{3}{4}, \frac{1}{4} - x]$	[76, 88]
40	$[\frac{3}{4}, \frac{3}{4}, x + \frac{1}{4}]$	[77, 87]
41	$[\frac{3}{4}, x + \frac{3}{4}, \frac{1}{4}]$	[78, 83]
42	$[\frac{3}{4}, \frac{3}{4} - x, \frac{1}{4}]$	[79, 84]
43	$[\frac{1}{2} - x, \frac{1}{2}, 0]$	[81, 82]
44	$[\frac{3}{4} - x, \frac{3}{4}, \frac{1}{4}]$	[85, 86]
45	$[\frac{1}{2}, x + \frac{1}{2}, 0]$	[89, 96]
46	$[\frac{1}{2}, \frac{1}{2}, x]$	[90, 93]
47	$[\frac{1}{2}, \frac{1}{2}, -x]$	[91, 95]
48	$[\frac{1}{2}, \frac{1}{2} - x, 0]$	[92, 94]

Table 7: Wyckoff site: 48g, site symmetry: $\dots 2$

No.	position	mapping
1	$[\frac{1}{8}, y, \frac{1}{4} - y]$	[1, 14]
2	$[\frac{3}{8}, y, y + \frac{1}{4}]$	[2, 57]
3	$[\frac{3}{8}, \frac{1}{2} - y, \frac{1}{4} - y]$	[3, 82]
4	$[\frac{1}{2} - y, y + \frac{1}{4}, \frac{1}{8}]$	[4, 93]
5	$[y, y + \frac{1}{4}, \frac{3}{8}]$	[5, 47]
6	$[\frac{1}{4} - y, \frac{3}{8}, \frac{1}{2} - y]$	[6, 46]
7	$[y + \frac{1}{4}, \frac{1}{8}, \frac{1}{2} - y]$	[7, 72]
8	$[\frac{1}{8}, -y, y + \frac{3}{4}]$	[8, 37]
9	$[\frac{7}{8}, y, y + \frac{3}{4}]$	[9, 50]
10	$[\frac{7}{8}, -y, \frac{1}{4} - y]$	[10, 75]
11	$[y + \frac{1}{4}, \frac{3}{8}, y]$	[11, 92]
12	$[\frac{1}{4} - y, \frac{1}{8}, y]$	[12, 17]
13	$[\frac{1}{8}, \frac{1}{2} - y, y + \frac{1}{4}]$	[13, 32]
14	$[\frac{1}{2} - y, \frac{1}{4} - y, \frac{3}{8}]$	[15, 67]
15	$[y, \frac{1}{4} - y, \frac{1}{8}]$	[16, 18]
16	$[-y, \frac{1}{4} - y, \frac{7}{8}]$	[19, 63]
17	$[y + \frac{3}{4}, \frac{7}{8}, y]$	[20, 83]

continued ...

Table 7

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

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

No.	position	mapping
1	$[x, y, z]$	[1]
2	$[x + \frac{1}{4}, \frac{1}{4} - z, y + \frac{1}{4}]$	[2]
3	$[x + \frac{1}{4}, z + \frac{1}{4}, \frac{1}{4} - y]$	[3]
4	$[z + \frac{1}{4}, y + \frac{1}{4}, \frac{1}{4} - x]$	[4]
5	$[\frac{1}{4} - z, y + \frac{1}{4}, x + \frac{1}{4}]$	[5]
6	$[\frac{1}{4} - y, x + \frac{1}{4}, z + \frac{1}{4}]$	[6]
7	$[y + \frac{1}{4}, \frac{1}{4} - x, z + \frac{1}{4}]$	[7]
8	$[x, -y, -z]$	[8]
9	$[-x, y, -z]$	[9]

continued ...

Table 8

No.	position	mapping
10	$[-x, -y, z]$	[10]
11	$[y + \frac{1}{4}, x + \frac{1}{4}, \frac{1}{4} - z]$	[11]
12	$[\frac{1}{4} - y, \frac{1}{4} - x, \frac{1}{4} - z]$	[12]
13	$[\frac{1}{4} - x, z + \frac{1}{4}, y + \frac{1}{4}]$	[13]
14	$[\frac{1}{4} - x, \frac{1}{4} - z, \frac{1}{4} - y]$	[14]
15	$[z + \frac{1}{4}, \frac{1}{4} - y, x + \frac{1}{4}]$	[15]
16	$[\frac{1}{4} - z, \frac{1}{4} - y, \frac{1}{4} - x]$	[16]
17	$[z, x, y]$	[17]
18	$[y, z, x]$	[18]
19	$[-y, z, -x]$	[19]
20	$[-z, -x, y]$	[20]
21	$[-y, -z, x]$	[21]
22	$[z, -x, -y]$	[22]
23	$[y, -z, -x]$	[23]
24	$[-z, x, -y]$	[24]
25	$[x, y + \frac{1}{2}, z + \frac{1}{2}]$	[25]
26	$[x + \frac{1}{4}, \frac{3}{4} - z, y + \frac{3}{4}]$	[26]
27	$[x + \frac{1}{4}, z + \frac{3}{4}, \frac{3}{4} - y]$	[27]
28	$[z + \frac{1}{4}, y + \frac{3}{4}, \frac{3}{4} - x]$	[28]
29	$[\frac{1}{4} - z, y + \frac{3}{4}, x + \frac{3}{4}]$	[29]
30	$[\frac{1}{4} - y, x + \frac{3}{4}, z + \frac{3}{4}]$	[30]
31	$[y + \frac{1}{4}, \frac{3}{4} - x, z + \frac{3}{4}]$	[31]
32	$[x, \frac{1}{2} - y, \frac{1}{2} - z]$	[32]
33	$[-x, y + \frac{1}{2}, \frac{1}{2} - z]$	[33]
34	$[-x, \frac{1}{2} - y, z + \frac{1}{2}]$	[34]
35	$[y + \frac{1}{4}, x + \frac{3}{4}, \frac{3}{4} - z]$	[35]
36	$[\frac{1}{4} - y, \frac{3}{4} - x, \frac{3}{4} - z]$	[36]
37	$[\frac{1}{4} - x, z + \frac{3}{4}, y + \frac{3}{4}]$	[37]
38	$[\frac{1}{4} - x, \frac{3}{4} - z, \frac{3}{4} - y]$	[38]
39	$[z + \frac{1}{4}, \frac{3}{4} - y, x + \frac{3}{4}]$	[39]
40	$[\frac{1}{4} - z, \frac{3}{4} - y, \frac{3}{4} - x]$	[40]
41	$[z, x + \frac{1}{2}, y + \frac{1}{2}]$	[41]
42	$[y, z + \frac{1}{2}, x + \frac{1}{2}]$	[42]
43	$[-y, z + \frac{1}{2}, \frac{1}{2} - x]$	[43]
44	$[-z, \frac{1}{2} - x, y + \frac{1}{2}]$	[44]
45	$[-y, \frac{1}{2} - z, x + \frac{1}{2}]$	[45]
46	$[z, \frac{1}{2} - x, \frac{1}{2} - y]$	[46]
47	$[y, \frac{1}{2} - z, \frac{1}{2} - x]$	[47]
48	$[-z, x + \frac{1}{2}, \frac{1}{2} - y]$	[48]
49	$[x + \frac{1}{2}, y, z + \frac{1}{2}]$	[49]
50	$[x + \frac{3}{4}, \frac{1}{4} - z, y + \frac{3}{4}]$	[50]
51	$[x + \frac{3}{4}, z + \frac{1}{4}, \frac{3}{4} - y]$	[51]
52	$[z + \frac{3}{4}, y + \frac{1}{4}, \frac{3}{4} - x]$	[52]
53	$[\frac{3}{4} - z, y + \frac{1}{4}, x + \frac{3}{4}]$	[53]
54	$[\frac{3}{4} - y, x + \frac{1}{4}, z + \frac{3}{4}]$	[54]
55	$[y + \frac{3}{4}, \frac{1}{4} - x, z + \frac{3}{4}]$	[55]
56	$[x + \frac{1}{2}, -y, \frac{1}{2} - z]$	[56]

continued ...

Table 8

No.	position	mapping
57	$[\frac{1}{2} - x, y, \frac{1}{2} - z]$	[57]
58	$[\frac{1}{2} - x, -y, z + \frac{1}{2}]$	[58]
59	$[y + \frac{3}{4}, x + \frac{1}{4}, \frac{3}{4} - z]$	[59]
60	$[\frac{3}{4} - y, \frac{1}{4} - x, \frac{3}{4} - z]$	[60]
61	$[\frac{3}{4} - x, z + \frac{1}{4}, y + \frac{3}{4}]$	[61]
62	$[\frac{3}{4} - x, \frac{1}{4} - z, \frac{3}{4} - y]$	[62]
63	$[z + \frac{3}{4}, \frac{1}{4} - y, x + \frac{3}{4}]$	[63]
64	$[\frac{3}{4} - z, \frac{1}{4} - y, \frac{3}{4} - x]$	[64]
65	$[z + \frac{1}{2}, x, y + \frac{1}{2}]$	[65]
66	$[y + \frac{1}{2}, z, x + \frac{1}{2}]$	[66]
67	$[\frac{1}{2} - y, z, \frac{1}{2} - x]$	[67]
68	$[\frac{1}{2} - z, -x, y + \frac{1}{2}]$	[68]
69	$[\frac{1}{2} - y, -z, x + \frac{1}{2}]$	[69]
70	$[z + \frac{1}{2}, -x, \frac{1}{2} - y]$	[70]
71	$[y + \frac{1}{2}, -z, \frac{1}{2} - x]$	[71]
72	$[\frac{1}{2} - z, x, \frac{1}{2} - y]$	[72]
73	$[x + \frac{1}{2}, y + \frac{1}{2}, z]$	[73]
74	$[x + \frac{3}{4}, \frac{3}{4} - z, y + \frac{1}{4}]$	[74]
75	$[x + \frac{3}{4}, z + \frac{3}{4}, \frac{1}{4} - y]$	[75]
76	$[z + \frac{3}{4}, y + \frac{3}{4}, \frac{1}{4} - x]$	[76]
77	$[\frac{3}{4} - z, y + \frac{3}{4}, x + \frac{1}{4}]$	[77]
78	$[\frac{3}{4} - y, x + \frac{3}{4}, z + \frac{1}{4}]$	[78]
79	$[y + \frac{3}{4}, \frac{3}{4} - x, z + \frac{1}{4}]$	[79]
80	$[x + \frac{1}{2}, \frac{1}{2} - y, -z]$	[80]
81	$[\frac{1}{2} - x, y + \frac{1}{2}, -z]$	[81]
82	$[\frac{1}{2} - x, \frac{1}{2} - y, z]$	[82]
83	$[y + \frac{3}{4}, x + \frac{3}{4}, \frac{1}{4} - z]$	[83]
84	$[\frac{3}{4} - y, \frac{3}{4} - x, \frac{1}{4} - z]$	[84]
85	$[\frac{3}{4} - x, z + \frac{3}{4}, y + \frac{1}{4}]$	[85]
86	$[\frac{3}{4} - x, \frac{3}{4} - z, \frac{1}{4} - y]$	[86]
87	$[z + \frac{3}{4}, \frac{3}{4} - y, x + \frac{1}{4}]$	[87]
88	$[\frac{3}{4} - z, \frac{3}{4} - y, \frac{1}{4} - x]$	[88]
89	$[z + \frac{1}{2}, x + \frac{1}{2}, y]$	[89]
90	$[y + \frac{1}{2}, z + \frac{1}{2}, x]$	[90]
91	$[\frac{1}{2} - y, z + \frac{1}{2}, -x]$	[91]
92	$[\frac{1}{2} - z, \frac{1}{2} - x, y]$	[92]
93	$[\frac{1}{2} - y, \frac{1}{2} - z, x]$	[93]
94	$[z + \frac{1}{2}, \frac{1}{2} - x, -y]$	[94]
95	$[y + \frac{1}{2}, \frac{1}{2} - z, -x]$	[95]
96	$[\frac{1}{2} - z, x + \frac{1}{2}, -y]$	[96]