MSG No. 203.27 $Fd\bar{3}1'$ [Type II, cubic]

Table 1: Wyckoff site: 8a, site symmetry: 23.1'

No.	position	mapping
1	$\left[\frac{1}{8}, \frac{1}{8}, \frac{1}{8}\right]$	[1,5,6,26,34,35,51,55,60,76,80,81,97,101,102,122,130,131,147,151,156,172,176,177]
2	$\left[\frac{1}{8}, \frac{5}{8}, \frac{5}{8}\right]$	[2,10,11,25,29,30,52,56,57,75,79,84,98,106,107,121,125,126,148,152,153,171,175,180]
3	$\left[\frac{5}{8}, \frac{1}{8}, \frac{5}{8}\right]$	[3,7,12,28,32,33,49,53,54,74,82,83,99,103,108,124,128,129,145,149,150,170,178,179]
4	$\left[\frac{5}{8}, \frac{5}{8}, \frac{1}{8}\right]$	[4,8,9,27,31,36,50,58,59,73,77,78,100,104,105,123,127,132,146,154,155,169,173,174]
5	$\left[\frac{7}{8}, \frac{7}{8}, \frac{7}{8}\right]$	[13,17,18,38,46,47,63,67,72,88,92,93,109,113,114,134,142,143,159,163,168,184,188,189]
6	$\left[\frac{7}{8}, \frac{3}{8}, \frac{3}{8}\right]$	[14,22,23,37,41,42,64,68,69,87,91,96,110,118,119,133,137,138,160,164,165,183,187,192]
7	$\left[\frac{3}{8}, \frac{7}{8}, \frac{3}{8}\right]$	[15,19,24,40,44,45,61,65,66,86,94,95,111,115,120,136,140,141,157,161,162,182,190,191]
8	$\left[\frac{3}{8}, \frac{3}{8}, \frac{7}{8}\right]$	[16,20,21,39,43,48,62,70,71,85,89,90,112,116,117,135,139,144,158,166,167,181,185,186]

Table 2: Wyckoff site: 8b, site symmetry: 23.1'

No.	position	mapping
1	$\left[\frac{5}{8}, \frac{5}{8}, \frac{5}{8}\right]$	[1,5,6,26,34,35,51,55,60,76,80,81,97,101,102,122,130,131,147,151,156,172,176,177]
2	$\left[\frac{5}{8}, \frac{1}{8}, \frac{1}{8}\right]$	[2,10,11,25,29,30,52,56,57,75,79,84,98,106,107,121,125,126,148,152,153,171,175,180]
3	$\left[\frac{1}{8}, \frac{5}{8}, \frac{1}{8}\right]$	[3,7,12,28,32,33,49,53,54,74,82,83,99,103,108,124,128,129,145,149,150,170,178,179]
4	$\left[\frac{1}{8}, \frac{1}{8}, \frac{5}{8}\right]$	[4,8,9,27,31,36,50,58,59,73,77,78,100,104,105,123,127,132,146,154,155,169,173,174]
5	$\left[\frac{3}{8}, \frac{3}{8}, \frac{3}{8}\right]$	[13,17,18,38,46,47,63,67,72,88,92,93,109,113,114,134,142,143,159,163,168,184,188,189]
6	$\left[\frac{3}{8}, \frac{7}{8}, \frac{7}{8}\right]$	[14,22,23,37,41,42,64,68,69,87,91,96,110,118,119,133,137,138,160,164,165,183,187,192]
7	$\left[\frac{7}{8}, \frac{3}{8}, \frac{7}{8}\right]$	[15,19,24,40,44,45,61,65,66,86,94,95,111,115,120,136,140,141,157,161,162,182,190,191]
8	$\left[\frac{7}{8}, \frac{7}{8}, \frac{3}{8}\right]$	[16,20,21,39,43,48,62,70,71,85,89,90,112,116,117,135,139,144,158,166,167,181,185,186]

Table 3: Wyckoff site: 16c, site symmetry: .-3'.1'

No.	position	mapping
1	$[0, 0, 0]$	[1,5,6,13,17,18,97,101,102,109,113,114]
2	$\left[0, \frac{3}{4}, \frac{3}{4}\right]$	[2,10,11,38,46,47,98,106,107,134,142,143]
3	$\left[\frac{3}{4}, 0, \frac{3}{4}\right]$	[3,7,12,63,67,72,99,103,108,159,163,168]
4	$\left[\frac{3}{4}, \frac{3}{4}, 0\right]$	[4,8,9,88,92,93,100,104,105,184,188,189]
5	$\left[0, \frac{1}{4}, \frac{1}{4}\right]$	[14,22,23,26,34,35,110,118,119,122,130,131]
6	$\left[\frac{1}{4}, 0, \frac{1}{4}\right]$	[15,19,24,51,55,60,111,115,120,147,151,156]
7	$\left[\frac{1}{4}, \frac{1}{4}, 0\right]$	[16,20,21,76,80,81,112,116,117,172,176,177]
8	$\left[0, \frac{1}{2}, \frac{1}{2}\right]$	[25,29,30,37,41,42,121,125,126,133,137,138]
9	$\left[\frac{3}{4}, \frac{1}{2}, \frac{1}{4}\right]$	[27,31,36,87,91,96,123,127,132,183,187,192]
10	$\left[\frac{3}{4}, \frac{1}{4}, \frac{1}{2}\right]$	[28,32,33,64,68,69,124,128,129,160,164,165]
11	$\left[\frac{1}{4}, \frac{1}{2}, \frac{3}{4}\right]$	[39,43,48,75,79,84,135,139,144,171,175,180]
12	$\left[\frac{1}{4}, \frac{3}{4}, \frac{1}{2}\right]$	[40,44,45,52,56,57,136,140,141,148,152,153]
13	$\left[\frac{1}{2}, 0, \frac{1}{2}\right]$	[49,53,54,61,65,66,145,149,150,157,161,162]
14	$\left[\frac{1}{2}, \frac{3}{4}, \frac{1}{4}\right]$	[50,58,59,86,94,95,146,154,155,182,190,191]
15	$\left[\frac{1}{2}, \frac{1}{4}, \frac{3}{4}\right]$	[62,70,71,74,82,83,158,166,167,170,178,179]

continued ...

Table 3

No.	position	mapping
16	$\left[\frac{1}{2}, \frac{1}{2}, 0\right]$	[73,77,78,85,89,90,169,173,174,181,185,186]

Table 4: Wyckoff site: 16d, site symmetry: .-3'.1'

No.	position	mapping
1	$\left[\frac{1}{2}, \frac{1}{2}, \frac{1}{2}\right]$	[1,5,6,13,17,18,97,101,102,109,113,114]
2	$\left[\frac{1}{2}, \frac{1}{4}, \frac{1}{4}\right]$	[2,10,11,38,46,47,98,106,107,134,142,143]
3	$\left[\frac{1}{4}, \frac{1}{2}, \frac{1}{4}\right]$	[3,7,12,63,67,72,99,103,108,159,163,168]
4	$\left[\frac{1}{4}, \frac{1}{4}, \frac{1}{2}\right]$	[4,8,9,88,92,93,100,104,105,184,188,189]
5	$\left[\frac{1}{2}, \frac{3}{4}, \frac{3}{4}\right]$	[14,22,23,26,34,35,110,118,119,122,130,131]
6	$\left[\frac{3}{4}, \frac{1}{2}, \frac{3}{4}\right]$	[15,19,24,51,55,60,111,115,120,147,151,156]
7	$\left[\frac{3}{4}, \frac{3}{4}, \frac{1}{2}\right]$	[16,20,21,76,80,81,112,116,117,172,176,177]
8	$\left[\frac{1}{2}, 0, 0\right]$	[25,29,30,37,41,42,121,125,126,133,137,138]
9	$\left[\frac{1}{4}, 0, \frac{3}{4}\right]$	[27,31,36,87,91,96,123,127,132,183,187,192]
10	$\left[\frac{1}{4}, \frac{3}{4}, 0\right]$	[28,32,33,64,68,69,124,128,129,160,164,165]
11	$\left[\frac{3}{4}, 0, \frac{1}{4}\right]$	[39,43,48,75,79,84,135,139,144,171,175,180]
12	$\left[\frac{3}{4}, \frac{1}{4}, 0\right]$	[40,44,45,52,56,57,136,140,141,148,152,153]
13	$\left[0, \frac{1}{2}, 0\right]$	[49,53,54,61,65,66,145,149,150,157,161,162]
14	$\left[0, \frac{1}{4}, \frac{3}{4}\right]$	[50,58,59,86,94,95,146,154,155,182,190,191]
15	$\left[0, \frac{3}{4}, \frac{1}{4}\right]$	[62,70,71,74,82,83,158,166,167,170,178,179]
16	$\left[0, 0, \frac{1}{2}\right]$	[73,77,78,85,89,90,169,173,174,181,185,186]

Table 5: Wyckoff site: 32e, site symmetry: .3.1'

No.	position	mapping
1	$[x, x, x]$	[1,5,6,97,101,102]
2	$\left[x, \frac{3}{4}-x, \frac{3}{4}-x\right]$	[2,10,11,98,106,107]
3	$\left[\frac{3}{4}-x, x, \frac{3}{4}-x\right]$	[3,7,12,99,103,108]
4	$\left[\frac{3}{4}-x, \frac{3}{4}-x, x\right]$	[4,8,9,100,104,105]
5	$[-x, -x, -x]$	[13,17,18,109,113,114]
6	$\left[-x, x+\frac{1}{4}, x+\frac{1}{4}\right]$	[14,22,23,110,118,119]
7	$\left[x+\frac{1}{4}, -x, x+\frac{1}{4}\right]$	[15,19,24,111,115,120]
8	$\left[x+\frac{1}{4}, x+\frac{1}{4}, -x\right]$	[16,20,21,112,116,117]
9	$\left[x, x+\frac{1}{2}, x+\frac{1}{2}\right]$	[25,29,30,121,125,126]
10	$\left[x, \frac{1}{4}-x, \frac{1}{4}-x\right]$	[26,34,35,122,130,131]
11	$\left[\frac{3}{4}-x, x+\frac{1}{2}, \frac{1}{4}-x\right]$	[27,31,36,123,127,132]
12	$\left[\frac{3}{4}-x, \frac{1}{4}-x, x+\frac{1}{2}\right]$	[28,32,33,124,128,129]
13	$\left[-x, \frac{1}{2}-x, \frac{1}{2}-x\right]$	[37,41,42,133,137,138]
14	$\left[-x, x+\frac{3}{4}, x+\frac{3}{4}\right]$	[38,46,47,134,142,143]
15	$\left[x+\frac{1}{4}, \frac{1}{2}-x, x+\frac{3}{4}\right]$	[39,43,48,135,139,144]
16	$\left[x+\frac{1}{4}, x+\frac{3}{4}, \frac{1}{2}-x\right]$	[40,44,45,136,140,141]
17	$\left[x+\frac{1}{2}, x, x+\frac{1}{2}\right]$	[49,53,54,145,149,150]

continued ...

Table 5

No.	position	mapping
18	$\left[x+\frac{1}{2},\ \frac{3}{4}-x,\ \frac{1}{4}-x\right]$	[50,58,59,146,154,155]
19	$\left[\frac{1}{4}-x,\ x,\ \frac{1}{4}-x\right]$	[51,55,60,147,151,156]
20	$\left[\frac{1}{4}-x,\ \frac{3}{4}-x,\ x+\frac{1}{2}\right]$	[52,56,57,148,152,153]
21	$\left[\frac{1}{2}-x,\ -x,\ \frac{1}{2}-x\right]$	[61,65,66,157,161,162]
22	$\left[\frac{1}{2}-x,\ x+\frac{1}{4},\ x+\frac{3}{4}\right]$	[62,70,71,158,166,167]
23	$\left[x+\frac{3}{4},\ -x,\ x+\frac{3}{4}\right]$	[63,67,72,159,163,168]
24	$\left[x+\frac{3}{4},\ x+\frac{1}{4},\ \frac{1}{2}-x\right]$	[64,68,69,160,164,165]
25	$\left[x+\frac{1}{2},\ x+\frac{1}{2},\ x\right]$	[73,77,78,169,173,174]
26	$\left[x+\frac{1}{2},\ \frac{1}{4}-x,\ \frac{3}{4}-x\right]$	[74,82,83,170,178,179]
27	$\left[\frac{1}{4}-x,\ x+\frac{1}{2},\ \frac{3}{4}-x\right]$	[75,79,84,171,175,180]
28	$\left[\frac{1}{4}-x,\ \frac{1}{4}-x,\ x\right]$	[76,80,81,172,176,177]
29	$\left[\frac{1}{2}-x,\ \frac{1}{2}-x,\ -x\right]$	[85,89,90,181,185,186]
30	$\left[\frac{1}{2}-x,\ x+\frac{3}{4},\ x+\frac{1}{4}\right]$	[86,94,95,182,190,191]
31	$\left[x+\frac{3}{4},\ \frac{1}{2}-x,\ x+\frac{1}{4}\right]$	[87,91,96,183,187,192]
32	$\left[x+\frac{3}{4},\ x+\frac{3}{4},\ -x\right]$	[88,92,93,184,188,189]

Table 6: Wyckoff site: 48f, site symmetry: 2..1'

No.	position	mapping
1	$\left[x,\ \frac{1}{8},\ \frac{1}{8}\right]$	[1,26,97,122]
2	$\left[x,\ \frac{5}{8},\ \frac{5}{8}\right]$	[2,25,98,121]
3	$\left[\frac{3}{4}-x,\ \frac{1}{8},\ \frac{5}{8}\right]$	[3,28,99,124]
4	$\left[\frac{3}{4}-x,\ \frac{5}{8},\ \frac{1}{8}\right]$	[4,27,100,123]
5	$\left[\frac{1}{8},\ x,\ \frac{1}{8}\right]$	[5,60,101,156]
6	$\left[\frac{1}{8},\ \frac{1}{8},\ x\right]$	[6,81,102,177]
7	$\left[\frac{5}{8},\ \frac{1}{8},\ \frac{3}{4}-x\right]$	[7,83,103,179]
8	$\left[\frac{5}{8},\ \frac{3}{4}-x,\ \frac{1}{8}\right]$	[8,58,104,154]
9	$\left[\frac{5}{8},\ \frac{5}{8},\ x\right]$	[9,78,105,174]
10	$\left[\frac{1}{8},\ \frac{3}{4}-x,\ \frac{5}{8}\right]$	[10,56,106,152]
11	$\left[\frac{1}{8},\ \frac{5}{8},\ \frac{3}{4}-x\right]$	[11,79,107,175]
12	$\left[\frac{5}{8},\ x,\ \frac{5}{8}\right]$	[12,53,108,149]
13	$\left[-x,\ \frac{7}{8},\ \frac{7}{8}\right]$	[13,38,109,134]
14	$\left[-x,\ \frac{3}{8},\ \frac{3}{8}\right]$	[14,37,110,133]
15	$\left[x+\frac{1}{4},\ \frac{7}{8},\ \frac{3}{8}\right]$	[15,40,111,136]
16	$\left[x+\frac{1}{4},\ \frac{3}{8},\ \frac{7}{8}\right]$	[16,39,112,135]
17	$\left[\frac{7}{8},\ -x,\ \frac{7}{8}\right]$	[17,72,113,168]
18	$\left[\frac{7}{8},\ \frac{7}{8},\ -x\right]$	[18,93,114,189]
19	$\left[\frac{3}{8},\ \frac{7}{8},\ x+\frac{1}{4}\right]$	[19,95,115,191]
20	$\left[\frac{3}{8},\ x+\frac{1}{4},\ \frac{7}{8}\right]$	[20,70,116,166]
21	$\left[\frac{3}{8},\ \frac{3}{8},\ -x\right]$	[21,90,117,186]
22	$\left[\frac{7}{8},\ x+\frac{1}{4},\ \frac{3}{8}\right]$	[22,68,118,164]
23	$\left[\frac{7}{8},\ \frac{3}{8},\ x+\frac{1}{4}\right]$	[23,91,119,187]
24	$\left[\frac{3}{8},\ -x,\ \frac{3}{8}\right]$	[24,65,120,161]
25	$\left[\frac{1}{8},\ x+\frac{1}{2},\ \frac{5}{8}\right]$	[29,84,125,180]

continued ...

Table 6

No.	position	mapping
26	$\left[\frac{1}{8}, \frac{5}{8}, x+\frac{1}{2}\right]$	[30,57,126,153]
27	$\left[\frac{5}{8}, \frac{5}{8}, \frac{1}{4}-x\right]$	[31,59,127,155]
28	$\left[\frac{5}{8}, \frac{1}{4}-x, \frac{5}{8}\right]$	[32,82,128,178]
29	$\left[\frac{5}{8}, \frac{1}{8}, x+\frac{1}{2}\right]$	[33,54,129,150]
30	$\left[\frac{1}{8}, \frac{1}{4}-x, \frac{1}{8}\right]$	[34,80,130,176]
31	$\left[\frac{1}{8}, \frac{1}{8}, \frac{1}{4}-x\right]$	[35,55,131,151]
32	$\left[\frac{5}{8}, x+\frac{1}{2}, \frac{1}{8}\right]$	[36,77,132,173]
33	$\left[\frac{7}{8}, \frac{1}{2}-x, \frac{3}{8}\right]$	[41,96,137,192]
34	$\left[\frac{7}{8}, \frac{3}{8}, \frac{1}{2}-x\right]$	[42,69,138,165]
35	$\left[\frac{3}{8}, \frac{3}{8}, x+\frac{3}{4}\right]$	[43,71,139,167]
36	$\left[\frac{3}{8}, x+\frac{3}{4}, \frac{3}{8}\right]$	[44,94,140,190]
37	$\left[\frac{3}{8}, \frac{7}{8}, \frac{1}{2}-x\right]$	[45,66,141,162]
38	$\left[\frac{7}{8}, x+\frac{3}{4}, \frac{7}{8}\right]$	[46,92,142,188]
39	$\left[\frac{7}{8}, \frac{7}{8}, x+\frac{3}{4}\right]$	[47,67,143,163]
40	$\left[\frac{3}{8}, \frac{1}{2}-x, \frac{7}{8}\right]$	[48,89,144,185]
41	$\left[x+\frac{1}{2}, \frac{1}{8}, \frac{5}{8}\right]$	[49,74,145,170]
42	$\left[x+\frac{1}{2}, \frac{5}{8}, \frac{1}{8}\right]$	[50,73,146,169]
43	$\left[\frac{1}{4}-x, \frac{1}{8}, \frac{1}{8}\right]$	[51,76,147,172]
44	$\left[\frac{1}{4}-x, \frac{5}{8}, \frac{5}{8}\right]$	[52,75,148,171]
45	$\left[\frac{1}{2}-x, \frac{7}{8}, \frac{3}{8}\right]$	[61,86,157,182]
46	$\left[\frac{1}{2}-x, \frac{3}{8}, \frac{7}{8}\right]$	[62,85,158,181]
47	$\left[x+\frac{3}{4}, \frac{7}{8}, \frac{7}{8}\right]$	[63,88,159,184]
48	$\left[x+\frac{3}{4}, \frac{3}{8}, \frac{3}{8}\right]$	[64,87,160,183]

Table 7: Wyckoff site: 96g, site symmetry: 11'

No.	position	mapping
1	$[x, y, z]$	[1,97]
2	$\left[x, \frac{3}{4}-y, \frac{3}{4}-z\right]$	[2,98]
3	$\left[\frac{3}{4}-x, y, \frac{3}{4}-z\right]$	[3,99]
4	$\left[\frac{3}{4}-x, \frac{3}{4}-y, z\right]$	[4,100]
5	$[z, x, y]$	[5,101]
6	$[y, z, x]$	[6,102]
7	$\left[\frac{3}{4}-y, z, \frac{3}{4}-x\right]$	[7,103]
8	$\left[\frac{3}{4}-z, \frac{3}{4}-x, y\right]$	[8,104]
9	$\left[\frac{3}{4}-y, \frac{3}{4}-z, x\right]$	[9,105]
10	$\left[z, \frac{3}{4}-x, \frac{3}{4}-y\right]$	[10,106]
11	$\left[y, \frac{3}{4}-z, \frac{3}{4}-x\right]$	[11,107]
12	$\left[\frac{3}{4}-z, x, \frac{3}{4}-y\right]$	[12,108]
13	$[-x, -y, -z]$	[13,109]
14	$\left[-x, y+\frac{1}{4}, z+\frac{1}{4}\right]$	[14,110]
15	$\left[x+\frac{1}{4}, -y, z+\frac{1}{4}\right]$	[15,111]
16	$\left[x+\frac{1}{4}, y+\frac{1}{4}, -z\right]$	[16,112]
17	$[-z, -x, -y]$	[17,113]

continued ...

Table 7

No.	position	mapping
18	$[-y, -z, -x]$	[18,114]
19	$\left[y+\frac{1}{4}, -z, x+\frac{1}{4}\right]$	[19,115]
20	$\left[z+\frac{1}{4}, x+\frac{1}{4}, -y\right]$	[20,116]
21	$\left[y+\frac{1}{4}, z+\frac{1}{4}, -x\right]$	[21,117]
22	$\left[-z, x+\frac{1}{4}, y+\frac{1}{4}\right]$	[22,118]
23	$\left[-y, z+\frac{1}{4}, x+\frac{1}{4}\right]$	[23,119]
24	$\left[z+\frac{1}{4}, -x, y+\frac{1}{4}\right]$	[24,120]
25	$\left[x, y+\frac{1}{2}, z+\frac{1}{2}\right]$	[25,121]
26	$\left[x, \frac{1}{4}-y, \frac{1}{4}-z\right]$	[26,122]
27	$\left[\frac{3}{4}-x, y+\frac{1}{2}, \frac{1}{4}-z\right]$	[27,123]
28	$\left[\frac{3}{4}-x, \frac{1}{4}-y, z+\frac{1}{2}\right]$	[28,124]
29	$\left[z, x+\frac{1}{2}, y+\frac{1}{2}\right]$	[29,125]
30	$\left[y, z+\frac{1}{2}, x+\frac{1}{2}\right]$	[30,126]
31	$\left[\frac{3}{4}-y, z+\frac{1}{2}, \frac{1}{4}-x\right]$	[31,127]
32	$\left[\frac{3}{4}-z, \frac{1}{4}-x, y+\frac{1}{2}\right]$	[32,128]
33	$\left[\frac{3}{4}-y, \frac{1}{4}-z, x+\frac{1}{2}\right]$	[33,129]
34	$\left[z, \frac{1}{4}-x, \frac{1}{4}-y\right]$	[34,130]
35	$\left[y, \frac{1}{4}-z, \frac{1}{4}-x\right]$	[35,131]
36	$\left[\frac{3}{4}-z, x+\frac{1}{2}, \frac{1}{4}-y\right]$	[36,132]
37	$\left[-x, \frac{1}{2}-y, \frac{1}{2}-z\right]$	[37,133]
38	$\left[-x, y+\frac{3}{4}, z+\frac{3}{4}\right]$	[38,134]
39	$\left[x+\frac{1}{4}, \frac{1}{2}-y, z+\frac{3}{4}\right]$	[39,135]
40	$\left[x+\frac{1}{4}, y+\frac{3}{4}, \frac{1}{2}-z\right]$	[40,136]
41	$\left[-z, \frac{1}{2}-x, \frac{1}{2}-y\right]$	[41,137]
42	$\left[-y, \frac{1}{2}-z, \frac{1}{2}-x\right]$	[42,138]
43	$\left[y+\frac{1}{4}, \frac{1}{2}-z, x+\frac{3}{4}\right]$	[43,139]
44	$\left[z+\frac{1}{4}, x+\frac{3}{4}, \frac{1}{2}-y\right]$	[44,140]
45	$\left[y+\frac{1}{4}, z+\frac{3}{4}, \frac{1}{2}-x\right]$	[45,141]
46	$\left[-z, x+\frac{3}{4}, y+\frac{3}{4}\right]$	[46,142]
47	$\left[-y, z+\frac{3}{4}, x+\frac{3}{4}\right]$	[47,143]
48	$\left[z+\frac{1}{4}, \frac{1}{2}-x, y+\frac{3}{4}\right]$	[48,144]
49	$\left[x+\frac{1}{2}, y, z+\frac{1}{2}\right]$	[49,145]
50	$\left[x+\frac{1}{2}, \frac{3}{4}-y, \frac{1}{4}-z\right]$	[50,146]
51	$\left[\frac{1}{4}-x, y, \frac{1}{4}-z\right]$	[51,147]
52	$\left[\frac{1}{4}-x, \frac{3}{4}-y, z+\frac{1}{2}\right]$	[52,148]
53	$\left[z+\frac{1}{2}, x, y+\frac{1}{2}\right]$	[53,149]
54	$\left[y+\frac{1}{2}, z, x+\frac{1}{2}\right]$	[54,150]
55	$\left[\frac{1}{4}-y, z, \frac{1}{4}-x\right]$	[55,151]
56	$\left[\frac{1}{4}-z, \frac{3}{4}-x, y+\frac{1}{2}\right]$	[56,152]
57	$\left[\frac{1}{4}-y, \frac{3}{4}-z, x+\frac{1}{2}\right]$	[57,153]
58	$\left[z+\frac{1}{2}, \frac{3}{4}-x, \frac{1}{4}-y\right]$	[58,154]
59	$\left[y+\frac{1}{2}, \frac{3}{4}-z, \frac{1}{4}-x\right]$	[59,155]
60	$\left[\frac{1}{4}-z, x, \frac{1}{4}-y\right]$	[60,156]
61	$\left[\frac{1}{2}-x, -y, \frac{1}{2}-z\right]$	[61,157]
62	$\left[\frac{1}{2}-x, y+\frac{1}{4}, z+\frac{3}{4}\right]$	[62,158]
63	$\left[x+\frac{3}{4}, -y, z+\frac{3}{4}\right]$	[63,159]
64	$\left[x+\frac{3}{4}, y+\frac{1}{4}, \frac{1}{2}-z\right]$	[64,160]

continued ...

Table 7

No.	position	mapping
65	$\left[\frac{1}{2}-z,\,-x,\,\frac{1}{2}-y\right]$	[65,161]
66	$\left[\frac{1}{2}-y,\,-z,\,\frac{1}{2}-x\right]$	[66,162]
67	$\left[y+\frac{3}{4},\,-z,\,x+\frac{3}{4}\right]$	[67,163]
68	$\left[z+\frac{3}{4},\,x+\frac{1}{4},\,\frac{1}{2}-y\right]$	[68,164]
69	$\left[y+\frac{3}{4},\,z+\frac{1}{4},\,\frac{1}{2}-x\right]$	[69,165]
70	$\left[\frac{1}{2}-z,\,x+\frac{1}{4},\,y+\frac{3}{4}\right]$	[70,166]
71	$\left[\frac{1}{2}-y,\,z+\frac{1}{4},\,x+\frac{3}{4}\right]$	[71,167]
72	$\left[z+\frac{3}{4},\,-x,\,y+\frac{3}{4}\right]$	[72,168]
73	$\left[x+\frac{1}{2},\,y+\frac{1}{2},\,z\right]$	[73,169]
74	$\left[x+\frac{1}{2},\,\frac{1}{4}-y,\,\frac{3}{4}-z\right]$	[74,170]
75	$\left[\frac{1}{4}-x,\,y+\frac{1}{2},\,\frac{3}{4}-z\right]$	[75,171]
76	$\left[\frac{1}{4}-x,\,\frac{1}{4}-y,\,z\right]$	[76,172]
77	$\left[z+\frac{1}{2},\,x+\frac{1}{2},\,y\right]$	[77,173]
78	$\left[y+\frac{1}{2},\,z+\frac{1}{2},\,x\right]$	[78,174]
79	$\left[\frac{1}{4}-y,\,z+\frac{1}{2},\,\frac{3}{4}-x\right]$	[79,175]
80	$\left[\frac{1}{4}-z,\,\frac{1}{4}-x,\,y\right]$	[80,176]
81	$\left[\frac{1}{4}-y,\,\frac{1}{4}-z,\,x\right]$	[81,177]
82	$\left[z+\frac{1}{2},\,\frac{1}{4}-x,\,\frac{3}{4}-y\right]$	[82,178]
83	$\left[y+\frac{1}{2},\,\frac{1}{4}-z,\,\frac{3}{4}-x\right]$	[83,179]
84	$\left[\frac{1}{4}-z,\,x+\frac{1}{2},\,\frac{3}{4}-y\right]$	[84,180]
85	$\left[\frac{1}{2}-x,\,\frac{1}{2}-y,\,-z\right]$	[85,181]
86	$\left[\frac{1}{2}-x,\,y+\frac{3}{4},\,z+\frac{1}{4}\right]$	[86,182]
87	$\left[x+\frac{3}{4},\,\frac{1}{2}-y,\,z+\frac{1}{4}\right]$	[87,183]
88	$\left[x+\frac{3}{4},\,y+\frac{3}{4},\,-z\right]$	[88,184]
89	$\left[\frac{1}{2}-z,\,\frac{1}{2}-x,\,-y\right]$	[89,185]
90	$\left[\frac{1}{2}-y,\,\frac{1}{2}-z,\,-x\right]$	[90,186]
91	$\left[y+\frac{3}{4},\,\frac{1}{2}-z,\,x+\frac{1}{4}\right]$	[91,187]
92	$\left[z+\frac{3}{4},\,x+\frac{3}{4},\,-y\right]$	[92,188]
93	$\left[y+\frac{3}{4},\,z+\frac{3}{4},\,-x\right]$	[93,189]
94	$\left[\frac{1}{2}-z,\,x+\frac{3}{4},\,y+\frac{1}{4}\right]$	[94,190]
95	$\left[\frac{1}{2}-y,\,z+\frac{3}{4},\,x+\frac{1}{4}\right]$	[95,191]
96	$\left[z+\frac{3}{4},\,\frac{1}{2}-x,\,y+\frac{1}{4}\right]$	[96,192]