

MPG No. 30.3.114 4'32' [Type III, cubic]

Table 1: Wyckoff site: 1o, site symmetry: 4'32'

No.	position	mapping
1	[0, 0, 0]	[1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24]

Table 2: Wyckoff site: 6a, site symmetry: 4'..

No.	position	mapping
1	[x, 0, 0]	[1,2,19,20]
2	[-x, 0, 0]	[3,4,17,18]
3	[0, x, 0]	[9,11,14,16]
4	[0, -x, 0]	[10,12,13,15]
5	[0, 0, x]	[5,8,22,23]
6	[0, 0, -x]	[6,7,21,24]

Table 3: Wyckoff site: 8b, site symmetry: .3.

No.	position	mapping
1	[x, x, x]	[1,5,9]
2	[-x, -x, x]	[4,8,12]
3	[-x, x, -x]	[3,7,11]
4	[x, -x, -x]	[2,6,10]
5	[x, x, -x]	[16,20,24]
6	[-x, -x, -x]	[13,17,21]
7	[x, -x, x]	[15,19,23]
8	[-x, x, x]	[14,18,22]

Table 4: Wyckoff site: 12c, site symmetry: ...2

No.	position	mapping
1	[0, y, y]	[1,18]
2	[0, -y, y]	[4,19]
3	[0, y, -y]	[3,20]
4	[0, -y, -y]	[2,17]
5	[y, 0, y]	[9,15]
6	[y, 0, -y]	[10,16]
7	[-y, 0, y]	[12,14]
8	[-y, 0, -y]	[11,13]
9	[y, y, 0]	[5,24]
10	[-y, y, 0]	[7,22]

continued ...

Table 4

No.	position	mapping
11	[$y, -y, 0$]	[6,23]
12	[$-y, -y, 0$]	[8,21]

Table 5: Wyckoff site: 24d, site symmetry: 1

No.	position	mapping
1	[x, y, z]	[1]
2	[$-x, -y, z$]	[4]
3	[$-x, y, -z$]	[3]
4	[$x, -y, -z$]	[2]
5	[z, x, y]	[9]
6	[$z, -x, -y$]	[10]
7	[$-z, -x, y$]	[12]
8	[$-z, x, -y$]	[11]
9	[y, z, x]	[5]
10	[$-y, z, -x$]	[7]
11	[$y, -z, -x$]	[6]
12	[$-y, -z, x$]	[8]
13	[$y, x, -z$]	[16]
14	[$-y, -x, -z$]	[13]
15	[$y, -x, z$]	[15]
16	[$-y, x, z$]	[14]
17	[$x, z, -y$]	[20]
18	[$-x, z, y$]	[18]
19	[$-x, -z, -y$]	[17]
20	[$x, -z, y$]	[19]
21	[$z, y, -x$]	[24]
22	[$z, -y, x$]	[23]
23	[$-z, y, x$]	[22]
24	[$-z, -y, -x$]	[21]