PG No. 30 O 432 [cubic]

Table 1: Wyckoff site: `1o`, site symmetry: `432`

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]	`[1,4,17,20]`
2	[$-x$, 0, 0]	`[2,3,18,19]`
3	[0, x, 0]	`[5,8,13,16]`
4	[0, $-x$, 0]	`[6,7,14,15]`
5	[0, 0, x]	`[9,12,22,23]`
6	[0, 0, $-x$]	`[10,11,21,24]`

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

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

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

No.	position	mapping
1	[0, y, y]	`[1,18]`
2	[0, $-y$, y]	`[2,20]`
3	[0, y, $-y$]	`[3,17]`
4	[0, $-y$, $-y$]	`[4,19]`
5	[y, 0, y]	`[5,15]`
6	[y, 0, $-y$]	`[6,13]`
7	[$-y$, 0, y]	`[7,16]`
8	[$-y$, 0, $-y$]	`[8,14]`
9	[y, y, 0]	`[9,21]`
10	[$-y$, y, 0]	`[10,23]`

continued ...

Table 4

No.	position	mapping
11	$[y, -y, 0]$	`[11,22]`
12	$[-y, -y, 0]$	`[12,24]`

Table 5: Wyckoff site: `24d`, 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	$[z, -x, -y]$	`[6]`
7	$[-z, -x, y]$	`[7]`
8	$[-z, x, -y]$	`[8]`
9	$[y, z, x]$	`[9]`
10	$[-y, z, -x]$	`[10]`
11	$[y, -z, -x]$	`[11]`
12	$[-y, -z, x]$	`[12]`
13	$[y, x, -z]$	`[13]`
14	$[-y, -x, -z]$	`[14]`
15	$[y, -x, z]$	`[15]`
16	$[-y, x, z]$	`[16]`
17	$[x, z, -y]$	`[17]`
18	$[-x, z, y]$	`[18]`
19	$[-x, -z, -y]$	`[19]`
20	$[x, -z, y]$	`[20]`
21	$[z, y, -x]$	`[21]`
22	$[z, -y, x]$	`[22]`
23	$[-z, y, x]$	`[23]`
24	$[-z, -y, -x]$	`[24]`