

* plus set: $+ [0, 0, 0]$, $+ [\frac{1}{2}, \frac{1}{2}, \frac{1}{2}]$

 Table 1: Wyckoff site: 2a, site symmetry: $4/mmm$

No.	position	mapping
1	$[0, 0, 0]$	$[1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16]$

 Table 2: Wyckoff site: 2b, site symmetry: $4/mmm$

No.	position	mapping
1	$[0, 0, \frac{1}{2}]$	$[1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16]$

 Table 3: Wyckoff site: 4c, site symmetry: mmm .

No.	position	mapping
1	$[0, \frac{1}{2}, 0]$	$[1, 2, 5, 6, 9, 10, 13, 14]$
2	$[\frac{1}{2}, 0, 0]$	$[3, 4, 7, 8, 11, 12, 15, 16]$

 Table 4: Wyckoff site: 4d, site symmetry: $-4m2$

No.	position	mapping
1	$[0, \frac{1}{2}, \frac{1}{4}]$	$[1, 2, 7, 8, 11, 12, 13, 14]$
2	$[\frac{1}{2}, 0, \frac{1}{4}]$	$[3, 4, 5, 6, 9, 10, 15, 16]$

 Table 5: Wyckoff site: 4e, site symmetry: $4mm$

No.	position	mapping
1	$[0, 0, z]$	$[1, 2, 3, 4, 13, 14, 15, 16]$
2	$[0, 0, -z]$	$[5, 6, 7, 8, 9, 10, 11, 12]$

 Table 6: Wyckoff site: 8f, site symmetry: $. . 2/m$

No.	position	mapping
1	$[\frac{1}{4}, \frac{1}{4}, \frac{1}{4}]$	$[1, 8, 9, 16]$
2	$[\frac{3}{4}, \frac{3}{4}, \frac{1}{4}]$	$[2, 7, 10, 15]$
3	$[\frac{3}{4}, \frac{1}{4}, \frac{1}{4}]$	$[3, 6, 11, 14]$

continued ...

Table 6

No.	position	mapping
4	$[\frac{1}{4}, \frac{3}{4}, \frac{1}{4}]$	[4, 5, 12, 13]

Table 7: Wyckoff site: 8g, site symmetry: $2mm$.

No.	position	mapping
1	$[0, \frac{1}{2}, z]$	[1, 2, 13, 14]
2	$[\frac{1}{2}, 0, z]$	[3, 4, 15, 16]
3	$[0, \frac{1}{2}, -z]$	[5, 6, 9, 10]
4	$[\frac{1}{2}, 0, -z]$	[7, 8, 11, 12]

Table 8: Wyckoff site: 8h, site symmetry: $m.2m$

No.	position	mapping
1	$[x, x, 0]$	[1, 7, 10, 16]
2	$[-x, -x, 0]$	[2, 8, 9, 15]
3	$[-x, x, 0]$	[3, 5, 12, 14]
4	$[x, -x, 0]$	[4, 6, 11, 13]

Table 9: Wyckoff site: 8i, site symmetry: $m2m$.

No.	position	mapping
1	$[x, 0, 0]$	[1, 6, 10, 13]
2	$[-x, 0, 0]$	[2, 5, 9, 14]
3	$[0, x, 0]$	[3, 7, 12, 16]
4	$[0, -x, 0]$	[4, 8, 11, 15]

Table 10: Wyckoff site: 8j, site symmetry: $m2m$.

No.	position	mapping
1	$[x, \frac{1}{2}, 0]$	[1, 6, 10, 13]
2	$[-x, \frac{1}{2}, 0]$	[2, 5, 9, 14]
3	$[\frac{1}{2}, x, 0]$	[3, 7, 12, 16]
4	$[\frac{1}{2}, -x, 0]$	[4, 8, 11, 15]

Table 11: Wyckoff site: 16k, site symmetry: $\dots 2$

No.	position	mapping
1	$[x, x + \frac{1}{2}, \frac{1}{4}]$	[1,7]
2	$[-x, \frac{1}{2} - x, \frac{1}{4}]$	[2,8]
3	$[\frac{1}{2} - x, x, \frac{1}{4}]$	[3,5]
4	$[x + \frac{1}{2}, -x, \frac{1}{4}]$	[4,6]
5	$[-x, \frac{1}{2} - x, \frac{3}{4}]$	[9,15]
6	$[x, x + \frac{1}{2}, \frac{3}{4}]$	[10,16]
7	$[x + \frac{1}{2}, -x, \frac{3}{4}]$	[11,13]
8	$[\frac{1}{2} - x, x, \frac{3}{4}]$	[12,14]

Table 12: Wyckoff site: 16l, site symmetry: $m\dots$

No.	position	mapping
1	$[x, y, 0]$	[1,10]
2	$[-x, -y, 0]$	[2,9]
3	$[-y, x, 0]$	[3,12]
4	$[y, -x, 0]$	[4,11]
5	$[-x, y, 0]$	[5,14]
6	$[x, -y, 0]$	[6,13]
7	$[y, x, 0]$	[7,16]
8	$[-y, -x, 0]$	[8,15]

Table 13: Wyckoff site: 16m, site symmetry: $\dots m$

No.	position	mapping
1	$[x, x, z]$	[1,16]
2	$[-x, -x, z]$	[2,15]
3	$[-x, x, z]$	[3,14]
4	$[x, -x, z]$	[4,13]
5	$[-x, x, -z]$	[5,12]
6	$[x, -x, -z]$	[6,11]
7	$[x, x, -z]$	[7,10]
8	$[-x, -x, -z]$	[8,9]

Table 14: Wyckoff site: 16n, site symmetry: $\dots m$

No.	position	mapping
1	$[0, y, z]$	[1,14]
2	$[0, -y, z]$	[2,13]
3	$[-y, 0, z]$	[3,15]

continued ...

Table 14

No.	position	mapping
4	$[y, 0, z]$	[4,16]
5	$[0, y, -z]$	[5,10]
6	$[0, -y, -z]$	[6,9]
7	$[y, 0, -z]$	[7,11]
8	$[-y, 0, -z]$	[8,12]

Table 15: Wyckoff site: $32o$, site symmetry: 1

No.	position	mapping
1	$[x, y, z]$	[1]
2	$[-x, -y, z]$	[2]
3	$[-y, x, z]$	[3]
4	$[y, -x, z]$	[4]
5	$[-x, y, -z]$	[5]
6	$[x, -y, -z]$	[6]
7	$[y, x, -z]$	[7]
8	$[-y, -x, -z]$	[8]
9	$[-x, -y, -z]$	[9]
10	$[x, y, -z]$	[10]
11	$[y, -x, -z]$	[11]
12	$[-y, x, -z]$	[12]
13	$[x, -y, z]$	[13]
14	$[-x, y, z]$	[14]
15	$[-y, -x, z]$	[15]
16	$[y, x, z]$	[16]