

Table 1: Wyckoff site: 2a, site symmetry: $-4'm'2$

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

Table 2: Wyckoff site: 2b, site symmetry: $-4'm'2$

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

Table 3: Wyckoff site: 2c, site symmetry: $-4'm'2$

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

Table 4: Wyckoff site: 2d, site symmetry: $-4'm'2$

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

Table 5: Wyckoff site: 4e, site symmetry: $2m'm'$

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

Table 6: Wyckoff site: **4f**, site symmetry: $2\mathfrak{m}'\mathfrak{m}'$.

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

Table 7: Wyckoff site: **8g**, site symmetry: $\dots 2$

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

Table 8: Wyckoff site: **8h**, site symmetry: $\dots 2$

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

Table 9: Wyckoff site: **8i**, site symmetry: $\dots \mathfrak{m}'$.

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

continued ...

Table 9

No.	position	mapping
8	$[\frac{1}{2}, \frac{1}{2} - x, \frac{1}{2} - z]$	[12, 13]

Table 10: Wyckoff site: 16j, 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	$[y, -x, -z]$	[5]
6	$[-y, x, -z]$	[6]
7	$[-x, y, z]$	[7]
8	$[x, -y, z]$	[8]
9	$[x + \frac{1}{2}, y + \frac{1}{2}, z + \frac{1}{2}]$	[9]
10	$[\frac{1}{2} - x, \frac{1}{2} - y, z + \frac{1}{2}]$	[10]
11	$[y + \frac{1}{2}, x + \frac{1}{2}, \frac{1}{2} - z]$	[11]
12	$[\frac{1}{2} - y, \frac{1}{2} - x, \frac{1}{2} - z]$	[12]
13	$[y + \frac{1}{2}, \frac{1}{2} - x, \frac{1}{2} - z]$	[13]
14	$[\frac{1}{2} - y, x + \frac{1}{2}, \frac{1}{2} - z]$	[14]
15	$[\frac{1}{2} - x, y + \frac{1}{2}, z + \frac{1}{2}]$	[15]
16	$[x + \frac{1}{2}, \frac{1}{2} - y, z + \frac{1}{2}]$	[16]