

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

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

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

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

Table 3: Wyckoff site: 4c, site symmetry: $2/m..$

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

Table 4: Wyckoff site: 4d, site symmetry: $2.2'2'$

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

Table 5: Wyckoff site: 4e, site symmetry: $4'..$

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

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

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

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

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

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

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

Table 9: Wyckoff site: **16i**, site symmetry: 1

No.	position	mapping
1	$[x, y, z]$	$[1]$
2	$[x + \frac{1}{2}, \frac{1}{2} - y, \frac{1}{2} - z]$	$[2]$
3	$[\frac{1}{2} - x, y + \frac{1}{2}, \frac{1}{2} - z]$	$[3]$

continued ...

Table 9

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