

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

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

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

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

Table 3: Wyckoff site: 4c, site symmetry: $\dots 2/m'$

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

Table 4: Wyckoff site: 4d, site symmetry: $\dots 2/m'$

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

Table 5: Wyckoff site: 8e, site symmetry: $\dots 2'$

No.	position	mapping
1	$[0, 0, z]$	$[1, 12]$
2	$[0, \frac{1}{2}, \frac{1}{2} - z]$	$[2, 11]$

continued ...

Table 5

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

Table 6: Wyckoff site: 8f, site symmetry: $\dots 2$

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

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

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

Table 8: Wyckoff site: 8h, site symmetry: $\dots m'$

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

continued ...

Table 8

No.	position	mapping
6	$[-x, y + \frac{1}{2}, \frac{1}{2}]$	[6,11]
7	$[x + \frac{1}{2}, \frac{1}{2} - y, \frac{1}{2}]$	[7,10]
8	$[x + \frac{1}{2}, y, 0]$	[8,9]

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

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