

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

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

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

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

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

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

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

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

Table 5: Wyckoff site: 8e, site symmetry: $-1'$

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

continued ...

Table 5

No.	position	mapping
7	$[\frac{1}{2}, \frac{1}{2}, \frac{1}{2}]$	[7, 15]
8	$[0, 0, \frac{1}{2}]$	[8, 16]

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

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

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

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

Table 8: Wyckoff site: 16h, site symmetry: 1

No.	position	mapping
1	$[x, y, z]$	[1]
2	$[\frac{1}{2} - y, x, z + \frac{1}{2}]$	[2]
3	$[y, \frac{1}{2} - x, z + \frac{1}{2}]$	[3]
4	$[x + \frac{1}{2}, -y, -z]$	[4]
5	$[-x, y + \frac{1}{2}, -z]$	[5]
6	$[\frac{1}{2} - x, \frac{1}{2} - y, z]$	[6]
7	$[y + \frac{1}{2}, x + \frac{1}{2}, \frac{1}{2} - z]$	[7]
8	$[-y, -x, \frac{1}{2} - z]$	[8]
9	$[-x, -y, -z]$	[9]

continued ...

Table 8

No.	position	mapping
10	$[y + \frac{1}{2}, -x, \frac{1}{2} - z]$	[10]
11	$[-y, x + \frac{1}{2}, \frac{1}{2} - z]$	[11]
12	$[\frac{1}{2} - x, y, z]$	[12]
13	$[x, \frac{1}{2} - y, z]$	[13]
14	$[x + \frac{1}{2}, y + \frac{1}{2}, -z]$	[14]
15	$[\frac{1}{2} - y, \frac{1}{2} - x, z + \frac{1}{2}]$	[15]
16	$[y, x, z + \frac{1}{2}]$	[16]