

Table 1: Wyckoff site: 2a, site symmetry:  $4mm$

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

Table 2: Wyckoff site: 2b, site symmetry:  $4'mm'$

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

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

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

Table 4: Wyckoff site: 8d, site symmetry:  $.m.$

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

Table 5: Wyckoff site: 8e, site symmetry:  $.m$

No.	position	mapping
1	$[x, x, z]$	$[1, 8]$
2	$[-x, x, z]$	$[2, 5]$

*continued ...*

Table 5

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

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

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

Table 7: Wyckoff site: 16g, site symmetry: 1

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