

Table 1: Wyckoff site: **2a**, site symmetry:  $\bar{3}2$ .

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

Table 2: Wyckoff site: **2b**, site symmetry:  $\bar{3}2'$ .

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

Table 3: Wyckoff site: **4c**, site symmetry:  $\bar{3}$ .

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

Table 4: Wyckoff site: **4d**, site symmetry:  $\bar{3}$ .

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

Table 5: Wyckoff site: **6e**, site symmetry:  $\bar{2}$ .

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

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

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

Table 7: Wyckoff site: **12g**, site symmetry:  $1$ 

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