

Table 1: Wyckoff site: 2a, site symmetry:  $32$ .

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:  $32'$ .

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:  $3..$

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:  $3..$

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:  $.2$ .

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]