

\* Wyckoff site: 2a, site symmetry: 2mm.

Table 1: Wyckoff bond: 2a@2a

No.	vector	center	mapping
1	$[X, 0, 0]$	$[0, 0, z]$	$[1, -2, 5, -6]$
2	$[0, -X, 0]$	$[0, 0, -z]$	$[3, -4, -7, 8]$

Table 2: Wyckoff bond: 2b@2a

No.	vector	center	mapping
1	$[0, 0, Z]$	$[0, 0, z]$	$[1, 2, 5, 6]$
2	$[0, 0, -Z]$	$[0, 0, -z]$	$[3, 4, 7, 8]$

Table 3: Wyckoff bond: 4c@2a

No.	vector	center	mapping
1	$[X, 0, Z]$	$[0, 0, z]$	$[1, 5]$
2	$[-X, 0, Z]$	$[0, 0, z]$	$[2, 6]$
3	$[0, -X, -Z]$	$[0, 0, -z]$	$[3, 8]$
4	$[0, X, -Z]$	$[0, 0, -z]$	$[4, 7]$

Table 4: Wyckoff bond: 4d@2a

No.	vector	center	mapping
1	$[X, Y, 0]$	$[0, 0, z]$	$[1, -2]$
2	$[Y, -X, 0]$	$[0, 0, -z]$	$[3, -4]$
3	$[X, -Y, 0]$	$[0, 0, z]$	$[5, -6]$
4	$[Y, X, 0]$	$[0, 0, -z]$	$[7, -8]$

Table 5: Wyckoff bond: 8e@2a

No.	vector	center	mapping
1	$[X, Y, Z]$	$[0, 0, z]$	$[1]$
2	$[-X, -Y, Z]$	$[0, 0, z]$	$[2]$
3	$[Y, -X, -Z]$	$[0, 0, -z]$	$[3]$
4	$[-Y, X, -Z]$	$[0, 0, -z]$	$[4]$
5	$[X, -Y, Z]$	$[0, 0, z]$	$[5]$

continued ...

Table 5

No.	vector	center	mapping
6	$[-X, Y, Z]$	$[0, 0, z]$	[6]
7	$[Y, X, -Z]$	$[0, 0, -z]$	[7]
8	$[-Y, -X, -Z]$	$[0, 0, -z]$	[8]

\* Wyckoff site: 4b, site symmetry:  $. . 2$

Table 6: Wyckoff bond: 4a@4b

No.	vector	center	mapping
1	$[X, -X, Z]$	$[x, x, 0]$	[1, -7]
2	$[-X, X, Z]$	$[-x, -x, 0]$	[2, -8]
3	$[-X, -X, -Z]$	$[x, -x, 0]$	[3, -5]
4	$[X, X, -Z]$	$[-x, x, 0]$	[4, -6]

Table 7: Wyckoff bond: 4b@4b

No.	vector	center	mapping
1	$[X, X, 0]$	$[x, x, 0]$	[1, 7]
2	$[-X, -X, 0]$	$[-x, -x, 0]$	[2, 8]
3	$[X, -X, 0]$	$[x, -x, 0]$	[3, 5]
4	$[-X, X, 0]$	$[-x, x, 0]$	[4, 6]

Table 8: Wyckoff bond: 8c@4b

No.	vector	center	mapping
1	$[X, Y, Z]$	$[x, x, 0]$	[1]
2	$[-X, -Y, Z]$	$[-x, -x, 0]$	[2]
3	$[Y, -X, -Z]$	$[x, -x, 0]$	[3]
4	$[-Y, X, -Z]$	$[-x, x, 0]$	[4]
5	$[X, -Y, Z]$	$[x, -x, 0]$	[5]
6	$[-X, Y, Z]$	$[-x, x, 0]$	[6]
7	$[Y, X, -Z]$	$[x, x, 0]$	[7]
8	$[-Y, -X, -Z]$	$[-x, -x, 0]$	[8]

\* Wyckoff site: 4c, site symmetry:  $. m .$

Table 9: Wyckoff bond: **4a@4c**

No.	vector	center	mapping
1	$[X, 0, Z]$	$[x, 0, z]$	$[1, 5]$
2	$[-X, 0, Z]$	$[-x, 0, z]$	$[2, 6]$
3	$[0, -X, -Z]$	$[0, -x, -z]$	$[3, 8]$
4	$[0, X, -Z]$	$[0, x, -z]$	$[4, 7]$

Table 10: Wyckoff bond: **4b@4c**

No.	vector	center	mapping
1	$[0, X, 0]$	$[x, 0, z]$	$[1, -5]$
2	$[0, -X, 0]$	$[-x, 0, z]$	$[2, -6]$
3	$[X, 0, 0]$	$[0, -x, -z]$	$[3, -8]$
4	$[-X, 0, 0]$	$[0, x, -z]$	$[4, -7]$

Table 11: Wyckoff bond: **8c@4c**

No.	vector	center	mapping
1	$[X, Y, Z]$	$[x, 0, z]$	$[1]$
2	$[-X, -Y, Z]$	$[-x, 0, z]$	$[2]$
3	$[Y, -X, -Z]$	$[0, -x, -z]$	$[3]$
4	$[-Y, X, -Z]$	$[0, x, -z]$	$[4]$
5	$[X, -Y, Z]$	$[x, 0, z]$	$[5]$
6	$[-X, Y, Z]$	$[-x, 0, z]$	$[6]$
7	$[Y, X, -Z]$	$[0, x, -z]$	$[7]$
8	$[-Y, -X, -Z]$	$[0, -x, -z]$	$[8]$

\* Wyckoff site: **8d**, site symmetry: **1**

Table 12: Wyckoff bond: **8a@8d**

No.	vector	center	mapping
1	$[X, Y, Z]$	$[x, y, z]$	$[1]$
2	$[-X, -Y, Z]$	$[-x, -y, z]$	$[2]$
3	$[Y, -X, -Z]$	$[y, -x, -z]$	$[3]$
4	$[-Y, X, -Z]$	$[-y, x, -z]$	$[4]$
5	$[X, -Y, Z]$	$[x, -y, z]$	$[5]$
6	$[-X, Y, Z]$	$[-x, y, z]$	$[6]$
7	$[Y, X, -Z]$	$[y, x, -z]$	$[7]$
8	$[-Y, -X, -Z]$	$[-y, -x, -z]$	$[8]$