MPG No. 24.1.87 622 [Type I, hexagonal]

Table 1: Wyckoff site: `1o`, site symmetry: `622`

No.	position	mapping
1	[0, 0, 0]	`[1,2,3,4,5,6,7,8,9,10,11,12]`

Table 2: Wyckoff site: `2a`, site symmetry: `6..`

No.	position	mapping
1	[0, 0, z]	`[1,2,3,4,5,6]`
2	[0, 0, $-z$]	`[7,8,9,10,11,12]`

Table 3: Wyckoff site: `6b`, site symmetry: `.2.`

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

Table 4: Wyckoff site: `6c`, site symmetry: `..2`

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

Table 5: Wyckoff site: `12d`, site symmetry: `1`

No.	position	mapping
1	[x, y, z]	`[1]`
2	[$-y$, $x-y$, z]	`[3]`
3	[$-x+y$, $-x$, z]	`[5]`

continued ...

Table 5

No.	position	mapping
4	$[-x, -y, z]$	[4]
5	$[y, -x+y, z]$	[6]
6	$[x-y, x, z]$	[2]
7	$[y, x, -z]$	[9]
8	$[x-y, -y, -z]$	[7]
9	$[-x, -x+y, -z]$	[11]
10	$[-y, -x, -z]$	[12]
11	$[-x+y, y, -z]$	[10]
12	$[x, x-y, -z]$	[8]