PG No. 24 D_6 622 [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	$[x, 0, 0]$	`[1,8]`
2	$[0, x, 0]$	`[2,7]`
3	$[-x, -x, 0]$	`[3,9]`
4	$[-x, 0, 0]$	`[4,11]`
5	$[0, -x, 0]$	`[5,10]`
6	$[x, x, 0]$	`[6,12]`

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

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

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

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

continued ...

Table 5

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