PG No. 18 D_3 32 (321 setting) [trigonal]

* Wyckoff site: `2a`, site symmetry: `3..`

Table 1: Wyckoff bond: `2a@2a`

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

Table 2: Wyckoff bond: `6b@2a`

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

* Wyckoff site: `3b`, site symmetry: `.2.`

Table 3: Wyckoff bond: `3a@3b`

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

Table 4: Wyckoff bond: `3b@3b`

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

Table 5: Wyckoff bond: `6c@3b`

No.	vector	center	mapping
1	[X, Y, Z]	[x, 0, 0]	`[1]`
2	[$-Y$, $X-Y$, Z]	[0, x, 0]	`[2]`

continued ...

Table 5

No.	vector	center	mapping
3	$[-X+Y, -X, Z]$	$[-x, -x, 0]$	[3]
4	$[Y, X, -Z]$	$[0, x, 0]$	[4]
5	$[X-Y, -Y, -Z]$	$[x, 0, 0]$	[5]
6	$[-X, -X+Y, -Z]$	$[-x, -x, 0]$	[6]

* Wyckoff site: 6c, site symmetry: 1

Table 6: Wyckoff bond: 6a@6c

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