

SG No. 92 D_4^4 $P4_12_12$ [tetragonal]

* plus set: + [0, 0, 0]

Table 1: Wyckoff site: 4a, site symmetry: ..2

No.	position	mapping
1	[x, x, 0]	[1, 7]
2	[-x, -x, $\frac{1}{2}$]	[2, 8]
3	$[\frac{1}{2} - x, x + \frac{1}{2}, \frac{1}{4}]$	[3, 5]
4	$[x + \frac{1}{2}, \frac{1}{2} - x, \frac{3}{4}]$	[4, 6]

Table 2: Wyckoff site: 8b, site symmetry: 1

No.	position	mapping
1	[x, y, z]	[1]
2	[-x, -y, $z + \frac{1}{2}$]	[2]
3	$[\frac{1}{2} - y, x + \frac{1}{2}, z + \frac{1}{4}]$	[3]
4	$[y + \frac{1}{2}, \frac{1}{2} - x, z + \frac{3}{4}]$	[4]
5	$[\frac{1}{2} - x, y + \frac{1}{2}, \frac{1}{4} - z]$	[5]
6	$[x + \frac{1}{2}, \frac{1}{2} - y, \frac{3}{4} - z]$	[6]
7	[y, x, -z]	[7]
8	$[-y, -x, \frac{1}{2} - z]$	[8]