

Table 1: Wyckoff site: 4a, site symmetry: mmm'

No.	position	mapping
1	$[0, \frac{1}{4}, 0]$	$[1, 6, 12, 15, 19, 24, 26, 29]$
2	$[0, \frac{3}{4}, 0]$	$[2, 5, 11, 16, 20, 23, 25, 30]$
3	$[\frac{1}{2}, \frac{1}{4}, 0]$	$[3, 8, 10, 13, 17, 22, 28, 31]$
4	$[\frac{1}{2}, \frac{3}{4}, 0]$	$[4, 7, 9, 14, 18, 21, 27, 32]$

Table 2: Wyckoff site: 4b, site symmetry: $mm'm'$

No.	position	mapping
1	$[0, 0, 0]$	$[1, 2, 5, 6, 19, 20, 23, 24]$
2	$[\frac{1}{2}, 0, 0]$	$[3, 4, 7, 8, 17, 18, 21, 22]$
3	$[\frac{1}{2}, \frac{1}{2}, 0]$	$[9, 10, 13, 14, 27, 28, 31, 32]$
4	$[0, \frac{1}{2}, 0]$	$[11, 12, 15, 16, 25, 26, 29, 30]$

Table 3: Wyckoff site: 4c, site symmetry: mmm'

No.	position	mapping
1	$[0, \frac{1}{4}, \frac{1}{2}]$	$[1, 6, 12, 15, 19, 24, 26, 29]$
2	$[0, \frac{3}{4}, \frac{1}{2}]$	$[2, 5, 11, 16, 20, 23, 25, 30]$
3	$[\frac{1}{2}, \frac{1}{4}, \frac{1}{2}]$	$[3, 8, 10, 13, 17, 22, 28, 31]$
4	$[\frac{1}{2}, \frac{3}{4}, \frac{1}{2}]$	$[4, 7, 9, 14, 18, 21, 27, 32]$

Table 4: Wyckoff site: 4d, site symmetry: $mm'm'$

No.	position	mapping
1	$[0, 0, \frac{1}{2}]$	$[1, 2, 5, 6, 19, 20, 23, 24]$
2	$[\frac{1}{2}, 0, \frac{1}{2}]$	$[3, 4, 7, 8, 17, 18, 21, 22]$
3	$[\frac{1}{2}, \frac{1}{2}, \frac{1}{2}]$	$[9, 10, 13, 14, 27, 28, 31, 32]$
4	$[0, \frac{1}{2}, \frac{1}{2}]$	$[11, 12, 15, 16, 25, 26, 29, 30]$

Table 5: Wyckoff site: 4e, site symmetry: $m'mm'$

No.	position	mapping
1	$[\frac{1}{4}, \frac{1}{4}, 0]$	$[1, 3, 13, 15, 22, 24, 26, 28]$
2	$[\frac{1}{4}, \frac{3}{4}, 0]$	$[2, 4, 14, 16, 21, 23, 25, 27]$

continued ...

Table 5

No.	position	mapping
3	$[\frac{3}{4}, \frac{3}{4}, 0]$	$[5, 7, 9, 11, 18, 20, 30, 32]$
4	$[\frac{3}{4}, \frac{1}{4}, 0]$	$[6, 8, 10, 12, 17, 19, 29, 31]$

Table 6: Wyckoff site: 4f, site symmetry: $m'm'm'$

No.	position	mapping
1	$[\frac{1}{4}, 0, 0]$	$[1, 2, 3, 4, 21, 22, 23, 24]$
2	$[\frac{3}{4}, 0, 0]$	$[5, 6, 7, 8, 17, 18, 19, 20]$
3	$[\frac{3}{4}, \frac{1}{2}, 0]$	$[9, 10, 11, 12, 29, 30, 31, 32]$
4	$[\frac{1}{4}, \frac{1}{2}, 0]$	$[13, 14, 15, 16, 25, 26, 27, 28]$

Table 7: Wyckoff site: 4g, site symmetry: $m'mm'$

No.	position	mapping
1	$[\frac{1}{4}, \frac{1}{4}, \frac{1}{2}]$	$[1, 3, 13, 15, 22, 24, 26, 28]$
2	$[\frac{1}{4}, \frac{3}{4}, \frac{1}{2}]$	$[2, 4, 14, 16, 21, 23, 25, 27]$
3	$[\frac{3}{4}, \frac{3}{4}, \frac{1}{2}]$	$[5, 7, 9, 11, 18, 20, 30, 32]$
4	$[\frac{3}{4}, \frac{1}{4}, \frac{1}{2}]$	$[6, 8, 10, 12, 17, 19, 29, 31]$

Table 8: Wyckoff site: 4h, site symmetry: $m'm'm'$

No.	position	mapping
1	$[\frac{1}{4}, 0, \frac{1}{2}]$	$[1, 2, 3, 4, 21, 22, 23, 24]$
2	$[\frac{3}{4}, 0, \frac{1}{2}]$	$[5, 6, 7, 8, 17, 18, 19, 20]$
3	$[\frac{3}{4}, \frac{1}{2}, \frac{1}{2}]$	$[9, 10, 11, 12, 29, 30, 31, 32]$
4	$[\frac{1}{4}, \frac{1}{2}, \frac{1}{2}]$	$[13, 14, 15, 16, 25, 26, 27, 28]$

Table 9: Wyckoff site: 8i, site symmetry: $m2'm'$

No.	position	mapping
1	$[0, y, 0]$	$[1, 6, 19, 24]$
2	$[0, -y, 0]$	$[2, 5, 20, 23]$
3	$[\frac{1}{2}, y, 0]$	$[3, 8, 17, 22]$
4	$[\frac{1}{2}, -y, 0]$	$[4, 7, 18, 21]$
5	$[\frac{1}{2}, y + \frac{1}{2}, 0]$	$[9, 14, 27, 32]$
6	$[\frac{1}{2}, \frac{1}{2} - y, 0]$	$[10, 13, 28, 31]$
7	$[0, y + \frac{1}{2}, 0]$	$[11, 16, 25, 30]$

continued ...

Table 9

No.	position	mapping
8	$[0, \frac{1}{2} - y, 0]$	$[12, 15, 26, 29]$

Table 10: Wyckoff site: $8j$, site symmetry: $m2'm'$

No.	position	mapping
1	$[0, y, \frac{1}{2}]$	$[1, 6, 19, 24]$
2	$[0, -y, \frac{1}{2}]$	$[2, 5, 20, 23]$
3	$[\frac{1}{2}, y, \frac{1}{2}]$	$[3, 8, 17, 22]$
4	$[\frac{1}{2}, -y, \frac{1}{2}]$	$[4, 7, 18, 21]$
5	$[\frac{1}{2}, y + \frac{1}{2}, \frac{1}{2}]$	$[9, 14, 27, 32]$
6	$[\frac{1}{2}, \frac{1}{2} - y, \frac{1}{2}]$	$[10, 13, 28, 31]$
7	$[0, y + \frac{1}{2}, \frac{1}{2}]$	$[11, 16, 25, 30]$
8	$[0, \frac{1}{2} - y, \frac{1}{2}]$	$[12, 15, 26, 29]$

Table 11: Wyckoff site: $8k$, site symmetry: $m'2m'$

No.	position	mapping
1	$[\frac{1}{4}, y, 0]$	$[1, 3, 22, 24]$
2	$[\frac{1}{4}, -y, 0]$	$[2, 4, 21, 23]$
3	$[\frac{3}{4}, -y, 0]$	$[5, 7, 18, 20]$
4	$[\frac{3}{4}, y, 0]$	$[6, 8, 17, 19]$
5	$[\frac{3}{4}, y + \frac{1}{2}, 0]$	$[9, 11, 30, 32]$
6	$[\frac{3}{4}, \frac{1}{2} - y, 0]$	$[10, 12, 29, 31]$
7	$[\frac{1}{4}, \frac{1}{2} - y, 0]$	$[13, 15, 26, 28]$
8	$[\frac{1}{4}, y + \frac{1}{2}, 0]$	$[14, 16, 25, 27]$

Table 12: Wyckoff site: $8l$, site symmetry: $m'2m'$

No.	position	mapping
1	$[\frac{1}{4}, y, \frac{1}{2}]$	$[1, 3, 22, 24]$
2	$[\frac{1}{4}, -y, \frac{1}{2}]$	$[2, 4, 21, 23]$
3	$[\frac{3}{4}, -y, \frac{1}{2}]$	$[5, 7, 18, 20]$
4	$[\frac{3}{4}, y, \frac{1}{2}]$	$[6, 8, 17, 19]$
5	$[\frac{3}{4}, y + \frac{1}{2}, \frac{1}{2}]$	$[9, 11, 30, 32]$
6	$[\frac{3}{4}, \frac{1}{2} - y, \frac{1}{2}]$	$[10, 12, 29, 31]$
7	$[\frac{1}{4}, \frac{1}{2} - y, \frac{1}{2}]$	$[13, 15, 26, 28]$
8	$[\frac{1}{4}, y + \frac{1}{2}, \frac{1}{2}]$	$[14, 16, 25, 27]$

Table 13: Wyckoff site: $8m$, site symmetry: $2'mm'$

No.	position	mapping
1	$[x, \frac{1}{4}, 0]$	$[1, 15, 24, 26]$
2	$[x, \frac{3}{4}, 0]$	$[2, 16, 23, 25]$
3	$[\frac{1}{2} - x, \frac{1}{4}, 0]$	$[3, 13, 22, 28]$
4	$[\frac{1}{2} - x, \frac{3}{4}, 0]$	$[4, 14, 21, 27]$
5	$[-x, \frac{3}{4}, 0]$	$[5, 11, 20, 30]$
6	$[-x, \frac{1}{4}, 0]$	$[6, 12, 19, 29]$
7	$[x + \frac{1}{2}, \frac{3}{4}, 0]$	$[7, 9, 18, 32]$
8	$[x + \frac{1}{2}, \frac{1}{4}, 0]$	$[8, 10, 17, 31]$

Table 14: Wyckoff site: $8n$, site symmetry: $2'mm'$

No.	position	mapping
1	$[x, \frac{1}{4}, \frac{1}{2}]$	$[1, 15, 24, 26]$
2	$[x, \frac{3}{4}, \frac{1}{2}]$	$[2, 16, 23, 25]$
3	$[\frac{1}{2} - x, \frac{1}{4}, \frac{1}{2}]$	$[3, 13, 22, 28]$
4	$[\frac{1}{2} - x, \frac{3}{4}, \frac{1}{2}]$	$[4, 14, 21, 27]$
5	$[-x, \frac{3}{4}, \frac{1}{2}]$	$[5, 11, 20, 30]$
6	$[-x, \frac{1}{4}, \frac{1}{2}]$	$[6, 12, 19, 29]$
7	$[x + \frac{1}{2}, \frac{3}{4}, \frac{1}{2}]$	$[7, 9, 18, 32]$
8	$[x + \frac{1}{2}, \frac{1}{4}, \frac{1}{2}]$	$[8, 10, 17, 31]$

Table 15: Wyckoff site: $8o$, site symmetry: $2m'm'$

No.	position	mapping
1	$[x, 0, 0]$	$[1, 2, 23, 24]$
2	$[\frac{1}{2} - x, 0, 0]$	$[3, 4, 21, 22]$
3	$[-x, 0, 0]$	$[5, 6, 19, 20]$
4	$[x + \frac{1}{2}, 0, 0]$	$[7, 8, 17, 18]$
5	$[x + \frac{1}{2}, \frac{1}{2}, 0]$	$[9, 10, 31, 32]$
6	$[-x, \frac{1}{2}, 0]$	$[11, 12, 29, 30]$
7	$[\frac{1}{2} - x, \frac{1}{2}, 0]$	$[13, 14, 27, 28]$
8	$[x, \frac{1}{2}, 0]$	$[15, 16, 25, 26]$

Table 16: Wyckoff site: $8p$, site symmetry: $2m'm'$

No.	position	mapping
1	$[x, 0, \frac{1}{2}]$	$[1, 2, 23, 24]$
2	$[\frac{1}{2} - x, 0, \frac{1}{2}]$	$[3, 4, 21, 22]$
3	$[-x, 0, \frac{1}{2}]$	$[5, 6, 19, 20]$

continued ...

Table 16

No.	position	mapping
4	$[x + \frac{1}{2}, 0, \frac{1}{2}]$	[7, 8, 17, 18]
5	$[x + \frac{1}{2}, \frac{1}{2}, \frac{1}{2}]$	[9, 10, 31, 32]
6	$[-x, \frac{1}{2}, \frac{1}{2}]$	[11, 12, 29, 30]
7	$[\frac{1}{2} - x, \frac{1}{2}, \frac{1}{2}]$	[13, 14, 27, 28]
8	$[x, \frac{1}{2}, \frac{1}{2}]$	[15, 16, 25, 26]

Table 17: Wyckoff site: 8q, site symmetry: mm2

No.	position	mapping
1	$[0, \frac{1}{4}, z]$	[1, 6, 12, 15]
2	$[0, \frac{3}{4}, -z]$	[2, 5, 11, 16]
3	$[\frac{1}{2}, \frac{1}{4}, -z]$	[3, 8, 10, 13]
4	$[\frac{1}{2}, \frac{3}{4}, z]$	[4, 7, 9, 14]
5	$[\frac{1}{2}, \frac{1}{4}, z]$	[17, 22, 28, 31]
6	$[\frac{1}{2}, \frac{3}{4}, -z]$	[18, 21, 27, 32]
7	$[0, \frac{1}{4}, -z]$	[19, 24, 26, 29]
8	$[0, \frac{3}{4}, z]$	[20, 23, 25, 30]

Table 18: Wyckoff site: 8r, site symmetry: m'm2'

No.	position	mapping
1	$[\frac{1}{4}, \frac{1}{4}, z]$	[1, 15, 22, 28]
2	$[\frac{1}{4}, \frac{3}{4}, -z]$	[2, 16, 21, 27]
3	$[\frac{1}{4}, \frac{1}{4}, -z]$	[3, 13, 24, 26]
4	$[\frac{1}{4}, \frac{3}{4}, z]$	[4, 14, 23, 25]
5	$[\frac{3}{4}, \frac{3}{4}, -z]$	[5, 11, 18, 32]
6	$[\frac{3}{4}, \frac{1}{4}, z]$	[6, 12, 17, 31]
7	$[\frac{3}{4}, \frac{3}{4}, z]$	[7, 9, 20, 30]
8	$[\frac{3}{4}, \frac{1}{4}, -z]$	[8, 10, 19, 29]

Table 19: Wyckoff site: 8s, site symmetry: mm'2'

No.	position	mapping
1	[0, 0, z]	[1, 6, 20, 23]
2	[0, 0, -z]	[2, 5, 19, 24]
3	$[\frac{1}{2}, 0, -z]$	[3, 8, 18, 21]
4	$[\frac{1}{2}, 0, z]$	[4, 7, 17, 22]
5	$[\frac{1}{2}, \frac{1}{2}, z]$	[9, 14, 28, 31]
6	$[\frac{1}{2}, \frac{1}{2}, -z]$	[10, 13, 27, 32]

continued ...

Table 19

No.	position	mapping
7	$[0, \frac{1}{2}, -z]$	$[11, 16, 26, 29]$
8	$[0, \frac{1}{2}, z]$	$[12, 15, 25, 30]$

Table 20: Wyckoff site: $8t$, site symmetry: $m'm'2$

No.	position	mapping
1	$[\frac{1}{4}, 0, z]$	$[1, 4, 22, 23]$
2	$[\frac{1}{4}, 0, -z]$	$[2, 3, 21, 24]$
3	$[\frac{3}{4}, 0, -z]$	$[5, 8, 18, 19]$
4	$[\frac{3}{4}, 0, z]$	$[6, 7, 17, 20]$
5	$[\frac{3}{4}, \frac{1}{2}, z]$	$[9, 12, 30, 31]$
6	$[\frac{3}{4}, \frac{1}{2}, -z]$	$[10, 11, 29, 32]$
7	$[\frac{1}{4}, \frac{1}{2}, -z]$	$[13, 16, 26, 27]$
8	$[\frac{1}{4}, \frac{1}{2}, z]$	$[14, 15, 25, 28]$

Table 21: Wyckoff site: $16u$, site symmetry: $.m.$

No.	position	mapping
1	$[x, \frac{1}{4}, z]$	$[1, 15]$
2	$[x, \frac{3}{4}, -z]$	$[2, 16]$
3	$[\frac{1}{2} - x, \frac{1}{4}, -z]$	$[3, 13]$
4	$[\frac{1}{2} - x, \frac{3}{4}, z]$	$[4, 14]$
5	$[-x, \frac{3}{4}, -z]$	$[5, 11]$
6	$[-x, \frac{1}{4}, z]$	$[6, 12]$
7	$[x + \frac{1}{2}, \frac{3}{4}, z]$	$[7, 9]$
8	$[x + \frac{1}{2}, \frac{1}{4}, -z]$	$[8, 10]$
9	$[x + \frac{1}{2}, \frac{1}{4}, z]$	$[17, 31]$
10	$[x + \frac{1}{2}, \frac{3}{4}, -z]$	$[18, 32]$
11	$[-x, \frac{1}{4}, -z]$	$[19, 29]$
12	$[-x, \frac{3}{4}, z]$	$[20, 30]$
13	$[\frac{1}{2} - x, \frac{3}{4}, -z]$	$[21, 27]$
14	$[\frac{1}{2} - x, \frac{1}{4}, z]$	$[22, 28]$
15	$[x, \frac{3}{4}, z]$	$[23, 25]$
16	$[x, \frac{1}{4}, -z]$	$[24, 26]$

Table 22: Wyckoff site: $16v$, site symmetry: $.m'$

No.	position	mapping
1	$[x, 0, z]$	$[1, 23]$

continued ...

Table 22

No.	position	mapping
2	$[x, 0, -z]$	$[2, 24]$
3	$[\frac{1}{2} - x, 0, -z]$	$[3, 21]$
4	$[\frac{1}{2} - x, 0, z]$	$[4, 22]$
5	$[-x, 0, -z]$	$[5, 19]$
6	$[-x, 0, z]$	$[6, 20]$
7	$[x + \frac{1}{2}, 0, z]$	$[7, 17]$
8	$[x + \frac{1}{2}, 0, -z]$	$[8, 18]$
9	$[x + \frac{1}{2}, \frac{1}{2}, z]$	$[9, 31]$
10	$[x + \frac{1}{2}, \frac{1}{2}, -z]$	$[10, 32]$
11	$[-x, \frac{1}{2}, -z]$	$[11, 29]$
12	$[-x, \frac{1}{2}, z]$	$[12, 30]$
13	$[\frac{1}{2} - x, \frac{1}{2}, -z]$	$[13, 27]$
14	$[\frac{1}{2} - x, \frac{1}{2}, z]$	$[14, 28]$
15	$[x, \frac{1}{2}, z]$	$[15, 25]$
16	$[x, \frac{1}{2}, -z]$	$[16, 26]$

Table 23: Wyckoff site: $16\mathbf{w}$, site symmetry: $\mathbf{m} \cdot \cdot$

No.	position	mapping
1	$[0, y, z]$	$[1, 6]$
2	$[0, -y, -z]$	$[2, 5]$
3	$[\frac{1}{2}, y, -z]$	$[3, 8]$
4	$[\frac{1}{2}, -y, z]$	$[4, 7]$
5	$[\frac{1}{2}, y + \frac{1}{2}, z]$	$[9, 14]$
6	$[\frac{1}{2}, \frac{1}{2} - y, -z]$	$[10, 13]$
7	$[0, y + \frac{1}{2}, -z]$	$[11, 16]$
8	$[0, \frac{1}{2} - y, z]$	$[12, 15]$
9	$[\frac{1}{2}, y, z]$	$[17, 22]$
10	$[\frac{1}{2}, -y, -z]$	$[18, 21]$
11	$[0, y, -z]$	$[19, 24]$
12	$[0, -y, z]$	$[20, 23]$
13	$[0, y + \frac{1}{2}, z]$	$[25, 30]$
14	$[0, \frac{1}{2} - y, -z]$	$[26, 29]$
15	$[\frac{1}{2}, y + \frac{1}{2}, -z]$	$[27, 32]$
16	$[\frac{1}{2}, \frac{1}{2} - y, z]$	$[28, 31]$

Table 24: Wyckoff site: $16\mathbf{x}$, site symmetry: $\mathbf{m}' \cdot \cdot$

No.	position	mapping
1	$[\frac{1}{4}, y, z]$	$[1, 22]$
2	$[\frac{1}{4}, -y, -z]$	$[2, 21]$
3	$[\frac{1}{4}, y, -z]$	$[3, 24]$

continued ...

Table 24

No.	position	mapping
4	$[\frac{1}{4}, -y, z]$	[4,23]
5	$[\frac{3}{4}, -y, -z]$	[5,18]
6	$[\frac{3}{4}, y, z]$	[6,17]
7	$[\frac{3}{4}, -y, z]$	[7,20]
8	$[\frac{3}{4}, y, -z]$	[8,19]
9	$[\frac{3}{4}, y + \frac{1}{2}, z]$	[9,30]
10	$[\frac{3}{4}, \frac{1}{2} - y, -z]$	[10,29]
11	$[\frac{3}{4}, y + \frac{1}{2}, -z]$	[11,32]
12	$[\frac{3}{4}, \frac{1}{2} - y, z]$	[12,31]
13	$[\frac{1}{4}, \frac{1}{2} - y, -z]$	[13,26]
14	$[\frac{1}{4}, y + \frac{1}{2}, z]$	[14,25]
15	$[\frac{1}{4}, \frac{1}{2} - y, z]$	[15,28]
16	$[\frac{1}{4}, y + \frac{1}{2}, -z]$	[16,27]

Table 25: Wyckoff site: 16y, site symmetry: $\bar{3}m'$

No.	position	mapping
1	$[x, y, 0]$	[1,24]
2	$[x, -y, 0]$	[2,23]
3	$[\frac{1}{2} - x, y, 0]$	[3,22]
4	$[\frac{1}{2} - x, -y, 0]$	[4,21]
5	$[-x, -y, 0]$	[5,20]
6	$[-x, y, 0]$	[6,19]
7	$[x + \frac{1}{2}, -y, 0]$	[7,18]
8	$[x + \frac{1}{2}, y, 0]$	[8,17]
9	$[x + \frac{1}{2}, y + \frac{1}{2}, 0]$	[9,32]
10	$[x + \frac{1}{2}, \frac{1}{2} - y, 0]$	[10,31]
11	$[-x, y + \frac{1}{2}, 0]$	[11,30]
12	$[-x, \frac{1}{2} - y, 0]$	[12,29]
13	$[\frac{1}{2} - x, \frac{1}{2} - y, 0]$	[13,28]
14	$[\frac{1}{2} - x, y + \frac{1}{2}, 0]$	[14,27]
15	$[x, \frac{1}{2} - y, 0]$	[15,26]
16	$[x, y + \frac{1}{2}, 0]$	[16,25]

Table 26: Wyckoff site: 16z, site symmetry: $\bar{3}m'$

No.	position	mapping
1	$[x, y, \frac{1}{2}]$	[1,24]
2	$[x, -y, \frac{1}{2}]$	[2,23]
3	$[\frac{1}{2} - x, y, \frac{1}{2}]$	[3,22]
4	$[\frac{1}{2} - x, -y, \frac{1}{2}]$	[4,21]
5	$[-x, -y, \frac{1}{2}]$	[5,20]

continued ...

Table 26

No.	position	mapping
6	$[-x, y, \frac{1}{2}]$	[6,19]
7	$[x + \frac{1}{2}, -y, \frac{1}{2}]$	[7,18]
8	$[x + \frac{1}{2}, y, \frac{1}{2}]$	[8,17]
9	$[x + \frac{1}{2}, y + \frac{1}{2}, \frac{1}{2}]$	[9,32]
10	$[x + \frac{1}{2}, \frac{1}{2} - y, \frac{1}{2}]$	[10,31]
11	$[-x, y + \frac{1}{2}, \frac{1}{2}]$	[11,30]
12	$[-x, \frac{1}{2} - y, \frac{1}{2}]$	[12,29]
13	$[\frac{1}{2} - x, \frac{1}{2} - y, \frac{1}{2}]$	[13,28]
14	$[\frac{1}{2} - x, y + \frac{1}{2}, \frac{1}{2}]$	[14,27]
15	$[x, \frac{1}{2} - y, \frac{1}{2}]$	[15,26]
16	$[x, y + \frac{1}{2}, \frac{1}{2}]$	[16,25]

Table 27: Wyckoff site: 32A, site symmetry: 1

No.	position	mapping
1	$[x, y, z]$	[1]
2	$[x, -y, -z]$	[2]
3	$[\frac{1}{2} - x, y, -z]$	[3]
4	$[\frac{1}{2} - x, -y, z]$	[4]
5	$[-x, -y, -z]$	[5]
6	$[-x, y, z]$	[6]
7	$[x + \frac{1}{2}, -y, z]$	[7]
8	$[x + \frac{1}{2}, y, -z]$	[8]
9	$[x + \frac{1}{2}, y + \frac{1}{2}, z]$	[9]
10	$[x + \frac{1}{2}, \frac{1}{2} - y, -z]$	[10]
11	$[-x, y + \frac{1}{2}, -z]$	[11]
12	$[-x, \frac{1}{2} - y, z]$	[12]
13	$[\frac{1}{2} - x, \frac{1}{2} - y, -z]$	[13]
14	$[\frac{1}{2} - x, y + \frac{1}{2}, z]$	[14]
15	$[x, \frac{1}{2} - y, z]$	[15]
16	$[x, y + \frac{1}{2}, -z]$	[16]
17	$[x + \frac{1}{2}, y, z]$	[17]
18	$[x + \frac{1}{2}, -y, -z]$	[18]
19	$[-x, y, -z]$	[19]
20	$[-x, -y, z]$	[20]
21	$[\frac{1}{2} - x, -y, -z]$	[21]
22	$[\frac{1}{2} - x, y, z]$	[22]
23	$[x, -y, z]$	[23]
24	$[x, y, -z]$	[24]
25	$[x, y + \frac{1}{2}, z]$	[25]
26	$[x, \frac{1}{2} - y, -z]$	[26]
27	$[\frac{1}{2} - x, y + \frac{1}{2}, -z]$	[27]
28	$[\frac{1}{2} - x, \frac{1}{2} - y, z]$	[28]
29	$[-x, \frac{1}{2} - y, -z]$	[29]

continued ...

Table 27

No.	position	mapping
30	$[-x, y + \frac{1}{2}, z]$	[30]
31	$[x + \frac{1}{2}, \frac{1}{2} - y, z]$	[31]
32	$[x + \frac{1}{2}, y + \frac{1}{2}, -z]$	[32]