

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

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

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

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

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

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

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

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

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

No.	position	mapping
1	$[0, \frac{1}{4}, 0]$	$[1, 3, 6, 8, 26, 28, 29, 31]$
2	$[0, \frac{3}{4}, 0]$	$[2, 4, 5, 7, 25, 27, 30, 32]$

continued ...

Table 5

No.	position	mapping
3	$[\frac{1}{2}, \frac{3}{4}, 0]$	[9, 11, 14, 16, 18, 20, 21, 23]
4	$[\frac{1}{2}, \frac{1}{4}, 0]$	[10, 12, 13, 15, 17, 19, 22, 24]

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

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

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

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

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

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

Table 9: Wyckoff site: 8i, site symmetry:  $2mm$ 

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

*continued ...*

Table 9

No.	position	mapping
8	$[-x, \frac{1}{2}, 0]$	[27, 28, 29, 30]

Table 10: Wyckoff site: 8j, site symmetry: 2mm

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

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

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

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

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

Table 13: Wyckoff site:  $8m$ , site symmetry:  $m2m$ 

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

Table 14: Wyckoff site:  $8n$ , site symmetry:  $m2m$ 

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

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

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

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

No.	position	mapping
1	$[\frac{1}{4}, y, \frac{1}{2}]$	$[1, 8, 19, 22]$
2	$[\frac{1}{4}, -y, \frac{1}{2}]$	$[2, 7, 20, 21]$
3	$[\frac{3}{4}, y, \frac{1}{2}]$	$[3, 6, 17, 24]$

*continued ...*

Table 16

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

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

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

Table 18: Wyckoff site: 8r, site symmetry: mm'2'

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

Table 19: Wyckoff site: 8s, site symmetry: m'm2'

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

continued ...

Table 19

No.	position	mapping
7	$[\frac{1}{4}, \frac{1}{2}, -z]$	[11, 13, 26, 32]
8	$[\frac{1}{4}, \frac{1}{2}, z]$	[12, 14, 25, 31]

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

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

Table 21: Wyckoff site:  $16u$ , site symmetry:  $m \dots$ 

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

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

No.	position	mapping
1	$[\frac{1}{4}, y, z]$	[1, 22]

*continued ...*

Table 22

No.	position	mapping
2	$[\frac{1}{4}, -y, -z]$	[2,21]
3	$[\frac{3}{4}, y, -z]$	[3,24]
4	$[\frac{3}{4}, -y, z]$	[4,23]
5	$[\frac{3}{4}, -y, -z]$	[5,18]
6	$[\frac{3}{4}, y, z]$	[6,17]
7	$[\frac{1}{4}, -y, z]$	[7,20]
8	$[\frac{1}{4}, y, -z]$	[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	$[\frac{1}{4}, y + \frac{1}{2}, -z]$	[11,32]
12	$[\frac{1}{4}, \frac{1}{2} - y, z]$	[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	$[\frac{3}{4}, \frac{1}{2} - y, z]$	[15,28]
16	$[\frac{3}{4}, y + \frac{1}{2}, -z]$	[16,27]

Table 23: Wyckoff site:  $16w$ , site symmetry:  $.m$ .

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

Table 24: Wyckoff site:  $16x$ , site symmetry:  $.m'$ .

No.	position	mapping
1	$[x, \frac{1}{4}, z]$	[1,31]
2	$[x, \frac{3}{4}, -z]$	[2,32]
3	$[-x, \frac{1}{4}, -z]$	[3,29]

*continued ...*

Table 24

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

Table 25: Wyckoff site: 16y, site symmetry:  $\dots m$ 

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

Table 26: Wyckoff site: 16z, site symmetry:  $\dots m$ 

No.	position	mapping
1	$[x, y, \frac{1}{2}]$	[1,8]
2	$[x, -y, \frac{1}{2}]$	[2,7]
3	$[-x, y, \frac{1}{2}]$	[3,6]
4	$[-x, -y, \frac{1}{2}]$	[4,5]
5	$[x + \frac{1}{2}, y + \frac{1}{2}, \frac{1}{2}]$	[9,16]

*continued ...*

Table 26

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

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

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

continued ...

Table 27

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