

Rectangular

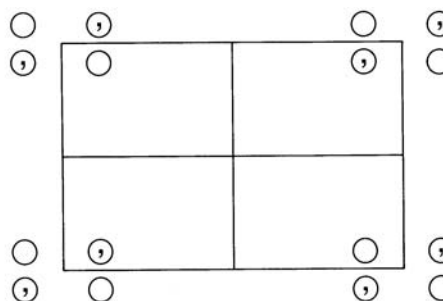
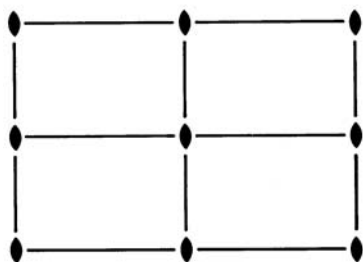
$2mm$

$p2mm$

Patterson symmetry $p2mm$

$p2mm$

No. 6



Origin at $2mm$

Asymmetric unit $0 \leq x \leq \frac{1}{2}; 0 \leq y \leq \frac{1}{2}$

Symmetry operations

(1) 1 (2) 2 0,0 (3) m 0,y (4) m x,0

Generators selected (1); $t(1,0)$; $t(0,1)$; (2); (3)

Positions

Multiplicity, Wyckoff letter, Site symmetry	Coordinates				Reflection conditions
4 <i>i</i> 1	(1) x,y	(2) \bar{x},\bar{y}	(3) \bar{x},y	(4) x,\bar{y}	General: no conditions Special: no extra conditions
2 <i>h</i> . <i>m</i> .	$\frac{1}{2},y$	$\frac{1}{2},\bar{y}$			
2 <i>g</i> . <i>m</i> .	$0,y$	$0,\bar{y}$			
2 <i>f</i> .. <i>m</i>	$x,\frac{1}{2}$	$\bar{x},\frac{1}{2}$			
2 <i>e</i> .. <i>m</i>	$x,0$	$\bar{x},0$			
1 <i>d</i> 2 <i>m</i> <i>m</i>	$\frac{1}{2},\frac{1}{2}$				
1 <i>c</i> 2 <i>m</i> <i>m</i>	$\frac{1}{2},0$				
1 <i>b</i> 2 <i>m</i> <i>m</i>	$0,\frac{1}{2}$				
1 <i>a</i> 2 <i>m</i> <i>m</i>	$0,0$				

Maximal non-isomorphic subgroups

- I** [2] $p1m1$ ($pm, 3$) 1; 3
- [2] $p11m$ ($pm, 3$) 1; 4
- [2] $p211$ ($p2, 2$) 1; 2

IIa none

IIb [2] $p2mg$ ($\mathbf{a}' = 2\mathbf{a}$) (7); [2] $p2gm$ ($\mathbf{b}' = 2\mathbf{b}$) ($p2mg, 7$); [2] $c2mm$ ($\mathbf{a}' = 2\mathbf{a}, \mathbf{b}' = 2\mathbf{b}$) (9)

Maximal isomorphic subgroups of lowest index

IIc [2] $p2mm$ ($\mathbf{a}' = 2\mathbf{a}$ or $\mathbf{b}' = 2\mathbf{b}$) (6)

Minimal non-isomorphic supergroups

- I** [2] $p4mm$ (11)
- II** [2] $c2mm$ (9)