

# Rectangular

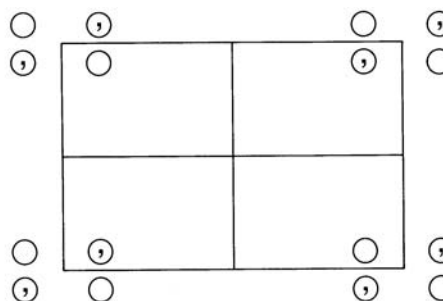
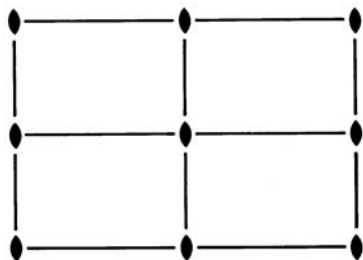
$2mm$

$p2mm$

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

Multiplicity, Wyckoff letter, Site symmetry	Coordinates
4 <i>i</i> 1	(1) $x,y$ (2) $\bar{x},\bar{y}$ (3) $\bar{x},y$ (4) $x,\bar{y}$
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>mm</i>	$\frac{1}{2},\frac{1}{2}$
1 <i>c</i> 2 <i>mm</i>	$\frac{1}{2},0$
1 <i>b</i> 2 <i>mm</i>	$0,\frac{1}{2}$
1 <i>a</i> 2 <i>mm</i>	$0,0$

Reflection conditions

General:

no conditions

Special: no extra conditions