

$Cm$

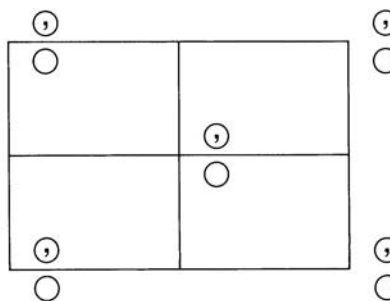
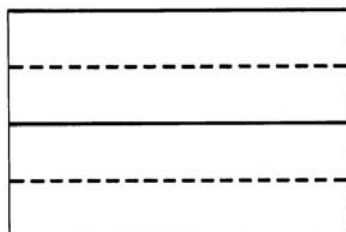
$m$

Rectangular

No. 5

$c1m1$

Patterson symmetry  $c2mm$



Origin on  $m$

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

Symmetry operations

For  $(0,0)+$  set

- (1) 1 (2)  $m$   $0,y$

For  $(\frac{1}{2},\frac{1}{2})+$  set

- (1)  $t(\frac{1}{2},\frac{1}{2})$  (2)  $b$   $\frac{1}{4},y$

Generators selected (1);  $t(1,0)$ ;  $t(0,1)$ ;  $t(\frac{1}{2},\frac{1}{2})$ ; (2)

Positions

Multiplicity,  
Wyckoff letter,  
Site symmetry

Coordinates

$(0,0)+$   $(\frac{1}{2},\frac{1}{2})+$

4  $b$  1 (1)  $x,y$  (2)  $\bar{x},y$

2  $a$  .  $m$  .  $0,y$

Reflection conditions

General:

$$hk: h + k = 2n$$

$$h0: h = 2n$$

$$0k: k = 2n$$

Special: no extra conditions