

$\rho 1 m 1$

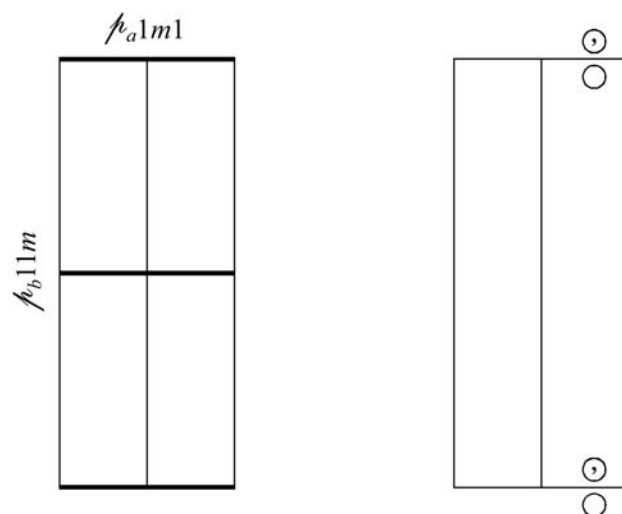
m

Rectangular

No. 3

$\rho 1 m 1$

Patterson symmetry $\rho 2 m m$



Origin on m

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

Symmetry operations

- (1) 1 (2) $m \ 0, y$
 (1|0,0) (m_x |0,0)

Generators selected (1); $t(1)$; (2)

Positions

Multiplicity,
Wyckoff letter,
Site symmetry

Coordinates

Reflection conditions

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

General:

no conditions

Special: no extra conditions

1 $b \ .m.$ $\frac{1}{2}, y$

1 $a \ .m.$ $0, y$

Symmetry of special projections

Along [10] 1

Along [01] ρm

Origin at $x, 0$

$\mathbf{a}' = \mathbf{a}$

Origin at $0, y$

Maximal non-isotypic subgroups

I [2] $\rho 1 (1) \ 1$

IIa none

IIb none

Maximal isotypic subgroups of lowest index

IIc [2] $\rho 1 m 1$ ($\mathbf{a}' = 2\mathbf{a}$) (3)

Minimal non-isotypic supergroups

I [2] $\rho 2 m m$ (6); [2] $\rho 2 m g$ (7)

II none