

$\bar{p}11g$

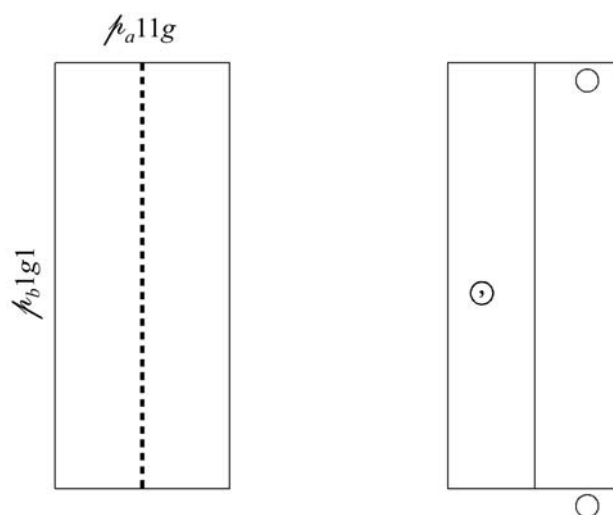
m

Rectangular

No. 5

$\bar{p}11g$

Patterson symmetry $\bar{p}2mm$



Origin on g

Asymmetric unit $0 \leq x \leq 1; 0 \leq y$

Symmetry operations

- (1) 1 (2) $g \ x, 0$
 (1|0,0) $(m_y | \frac{1}{2}, 0)$

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

Positions

Multiplicity,
Wyckoff letter,
Site symmetry

Coordinates

Reflection conditions

2 a 1 (1) x, y (2) $x + \frac{1}{2}, \bar{y}$

General:

$h : h = 2n$

Symmetry of special projections

Along [10] m

Along [01] $\bar{p}1$

Origin at $x, 0$

$\mathbf{a}' = \frac{1}{2}\mathbf{a}$
Origin at $0, y$

Maximal non-isotypic subgroups

I [2] $\bar{p}1$ (1) 1

IIa none

IIb none

Maximal isotypic subgroups of lowest index

IIc [3] $\bar{p}11g$ ($\mathbf{a}' = 3\mathbf{a}$) (5)

Minimal non-isotypic supergroups

I [2] $\bar{p}2mg$ (7)

II [2] $\bar{p}11m$ ($\mathbf{a}' = \frac{1}{2}\mathbf{a}$) (4)