

Rectangular

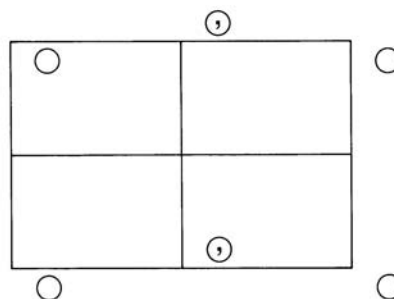
m

pg

Patterson symmetry $p2mm$

$p1g1$

No. 4



Origin on g

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

Symmetry operations

(1) 1 (2) $b \ 0, y$

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

Positions

Multiplicity, Wyckoff letter, Site symmetry	Coordinates
2 a 1	(1) x, y (2) $\bar{x}, y + \frac{1}{2}$

Reflection conditions

General:

$0k: k = 2n$

Maximal non-isomorphic subgroups

I [2] $p1$ (1) 1

IIa none

IIb none

Maximal isomorphic subgroups of lowest index

IIc [2] pg ($\mathbf{a}' = 2\mathbf{a}$) (4); [3] pg ($\mathbf{b}' = 3\mathbf{b}$) (4)

Minimal non-isomorphic supergroups

I [2] $p2mg$ (7); [2] $p2gg$ (8)

II [2] cm (5); [2] pm ($\mathbf{b}' = \frac{1}{2}\mathbf{b}$) (3)