

$\mu 2/m 1 1$

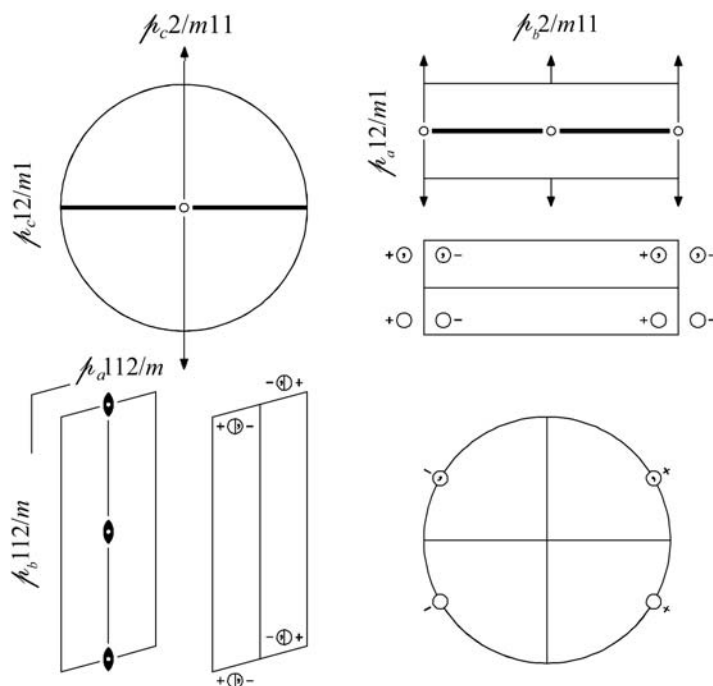
$2/m$

Monoclinic/Oblique

No. 6

$\mu 2/m 1 1$

Patterson symmetry $\mu 2/m 1 1$



Origin at centre ($2/m$)

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

Symmetry operations

- (1) 1 (2) $2 \ x, 0, 0$ (3) $\bar{1} \ 0, 0, 0$ (4) $m \ 0, y, z$

Generators selected (1); $t(0,0,1)$; (2); (3)

Positions

Multiplicity, Wyckoff letter, Site symmetry	Coordinates				Reflection conditions
					General:
4 <i>f</i> 1	(1) x, y, z	(2) x, \bar{y}, \bar{z}	(3) $\bar{x}, \bar{y}, \bar{z}$	(4) \bar{x}, y, z	no conditions Special: no extra conditions
2 <i>e</i> <i>m</i>	$0, y, z$	$0, \bar{y}, \bar{z}$			
2 <i>d</i> 2	$x, 0, \frac{1}{2}$	$\bar{x}, 0, \frac{1}{2}$			
2 <i>c</i> 2	$x, 0, 0$	$\bar{x}, 0, 0$			
1 <i>b</i> $2/m$	$0, 0, \frac{1}{2}$				
1 <i>a</i> $2/m$	$0, 0, 0$				

Symmetry of special projections

Along [001] $2mm$

Along [100] $\mu 2 1 1$

Along [010] $\mu 2mm$

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

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

Origin at $0, 0, z$

Origin at $x, 0, 0$

Origin at $0, y, 0$

Maximal non-isotypic non-enantiomorphic subgroups

I [2] $\mu m 1 1$ (4) 1; 4
 [2] $\mu 2 1 1$ (3) 1; 2
 [2] $\mu \bar{1}$ (2) 1; 3

IIa none

IIb [2] $\mu 2/c 1 1$ ($\mathbf{c}' = 2\mathbf{c}$) (7)

Maximal isotypic subgroups and enantiomorphic subgroups of lowest index

IIc [2] $\mu 2/m 1 1$ ($\mathbf{c}' = 2\mathbf{c}$) (6)

Minimal non-isotypic non-enantiomorphic supergroups

I [2] $\mu m m m$ (20); [2] $\mu m c m$ (22); [3] $\mu \bar{3} 1 m$ (51)

II none