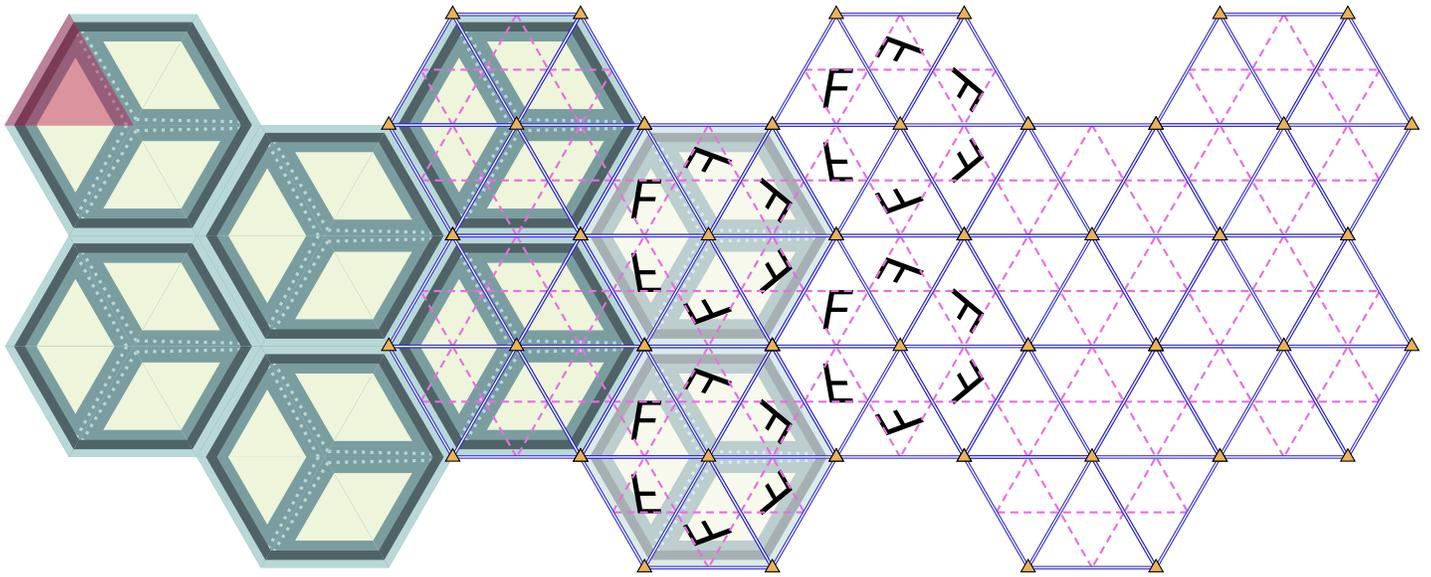


# GROUP: P3M1



## ORBIFOLD SIGNATURE

\*333

## IUC NOTATION

p3m1

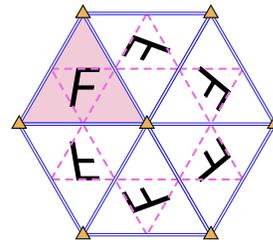
## COXETER NOTATION

[3<sup>3</sup>]

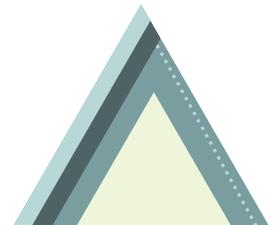
## LATTICE TYPES

Hexagonal

## LATTICE STRUCTURE



## SAMPLE CELL



## ROTATIONS

### ▲ Three Fold Rotations

Three centers of 120° rotation, located at intersection of reflection axes

## REFLECTIONS

 **Reflections**  
Three directions

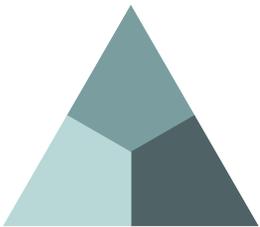
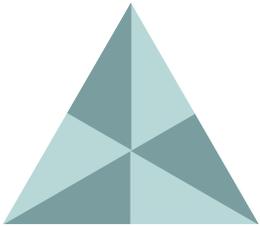
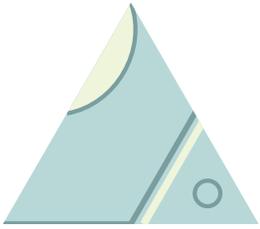
 **Glide Reflections**  
Three directions

## NOTES

Can be formed by arranging two distinct equilateral triangles (that are not reflections of each other), each with three fold rotational symmetry and reflections, so that triangles in the same orientation are equal.

# GROUP: P3M1

FUNDAMENTAL CELL



SAMPLE TILING

