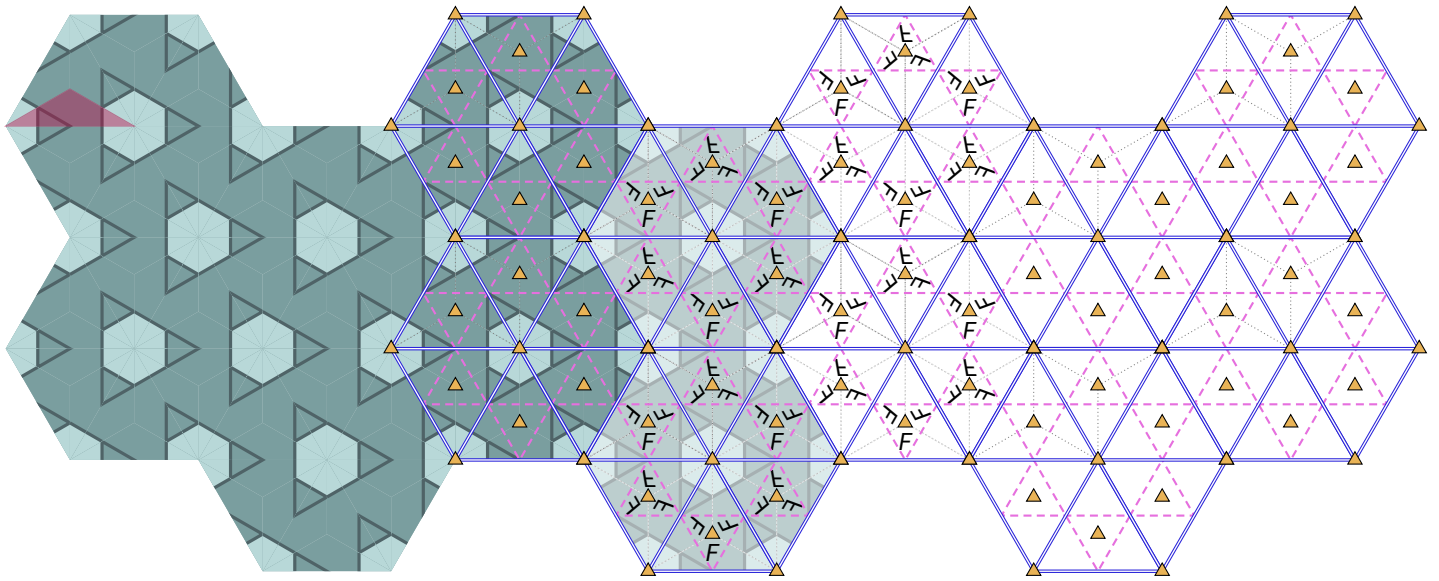


# GROUP: P31M



## ORBIFOLD SIGNATURE

3\*3

## IUC NOTATION

p31m

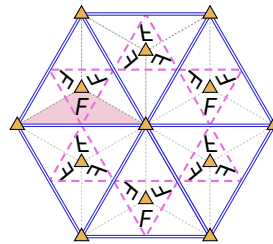
## COXETER NOTATION

[3<sup>+</sup>, 6]

## LATTICE TYPES

Hexagonal

## LATTICE STRUCTURE



## SAMPLE CELL





## ROTATIONS

### ▲ Three Fold Rotations

Three centers of 120° rotation, located off reflection and glide reflection axes

## REFLECTIONS

 **Reflections**  
Three directions

 **Glide Reflections**  
Three directions

## NOTES

Can be formed by arranging two distinct equilateral triangles that are reflections of each other, each with three fold rotational symmetry and no reflections, so that triangles in the same orientation are equal.

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FUNDAMENTAL CELL

SAMPLE TILING

