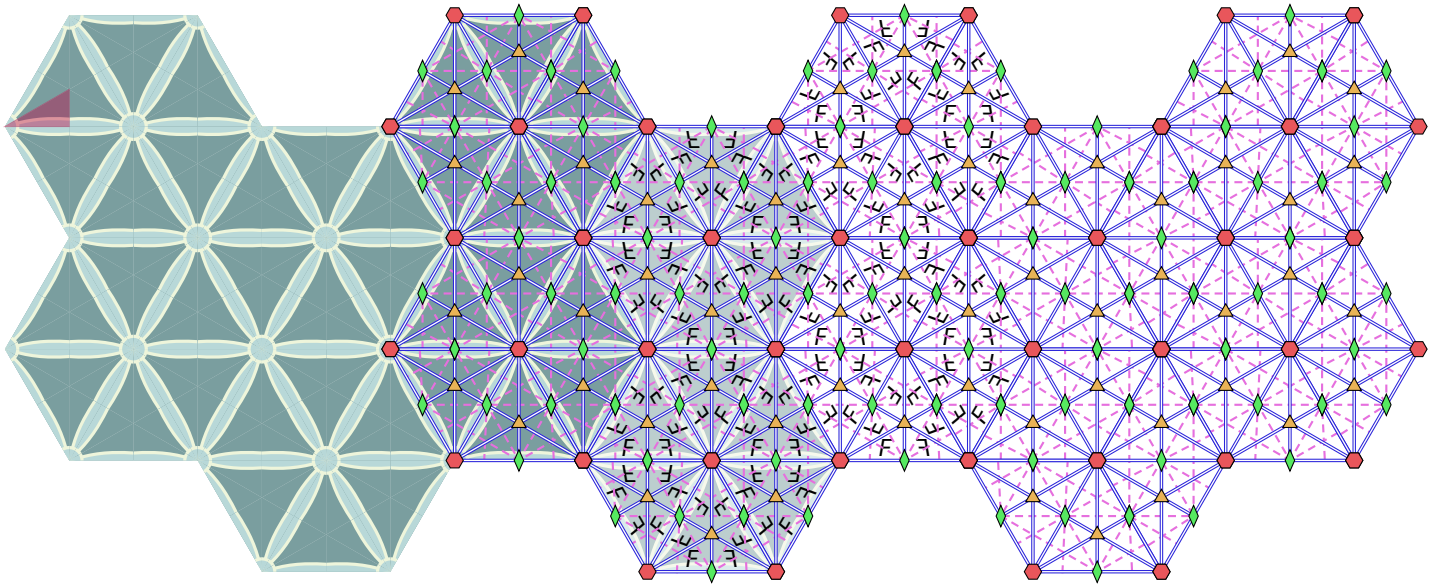


GROUP: P6M



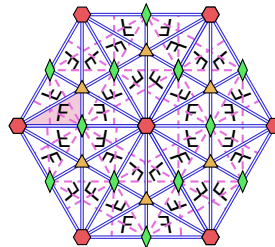
ORBIFOLD SIGNATURE
*632

IUC NOTATION
p6m

COXETER NOTATION
[6, 3]

LATTICE TYPES
Hexagonal

LATTICE STRUCTURE



SAMPLE CELL



ROTATIONS

- ◆ **Two Fold Rotations**
Three centers of 180° rotation
- ▲ **Three Fold Rotations**
Two centers of 120° rotation
- **Six Fold Rotations**
One center of 60° rotation

REFLECTIONS

- Reflections
Six directions
- - - Glide Reflections
Six directions

NOTES

Characterized by a Kaleidoscope pattern. The most complicated group, with a hexagonal lattice and three types of rotation, reflections, and glides. Rotation centers are found at reflection axes intersections. Glide reflections axes pass through the centers of two fold rotations. Reflection and glide reflection axes are arranged at 30° angles.

GROUP: P6M

FUNDAMENTAL CELL



SAMPLE TILING

