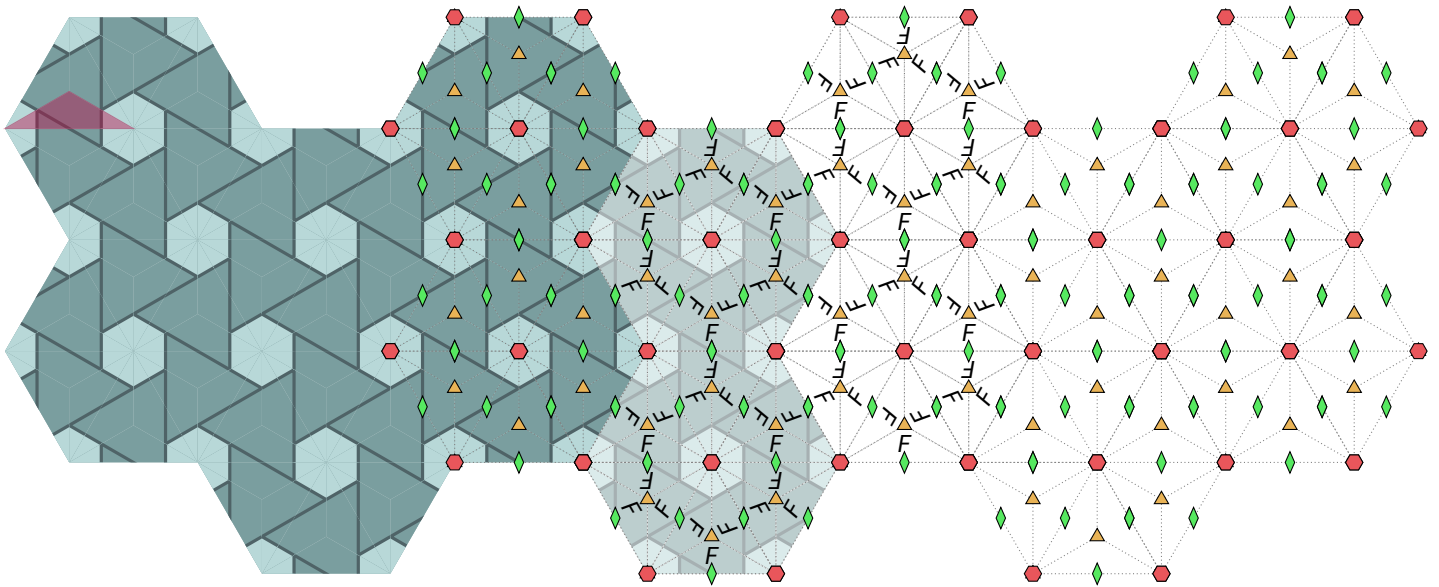


GROUP: P6



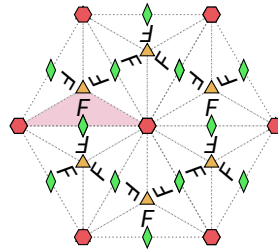
ORBIFOLD SIGNATURE
632

IUC NOTATION
p6

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

None

NOTES

Can appear similar to p31m, but overlapping edges and other decorations that prevent reflective symmetries produce this pattern. A tiling of the plane by equilateral triangles with three fold rotational (but no reflection) symmetry. Equivalently, a tiling of the plane by hexagons with six fold rotational symmetry.

GROUP: P6

FUNDAMENTAL CELL

SAMPLE TILING

