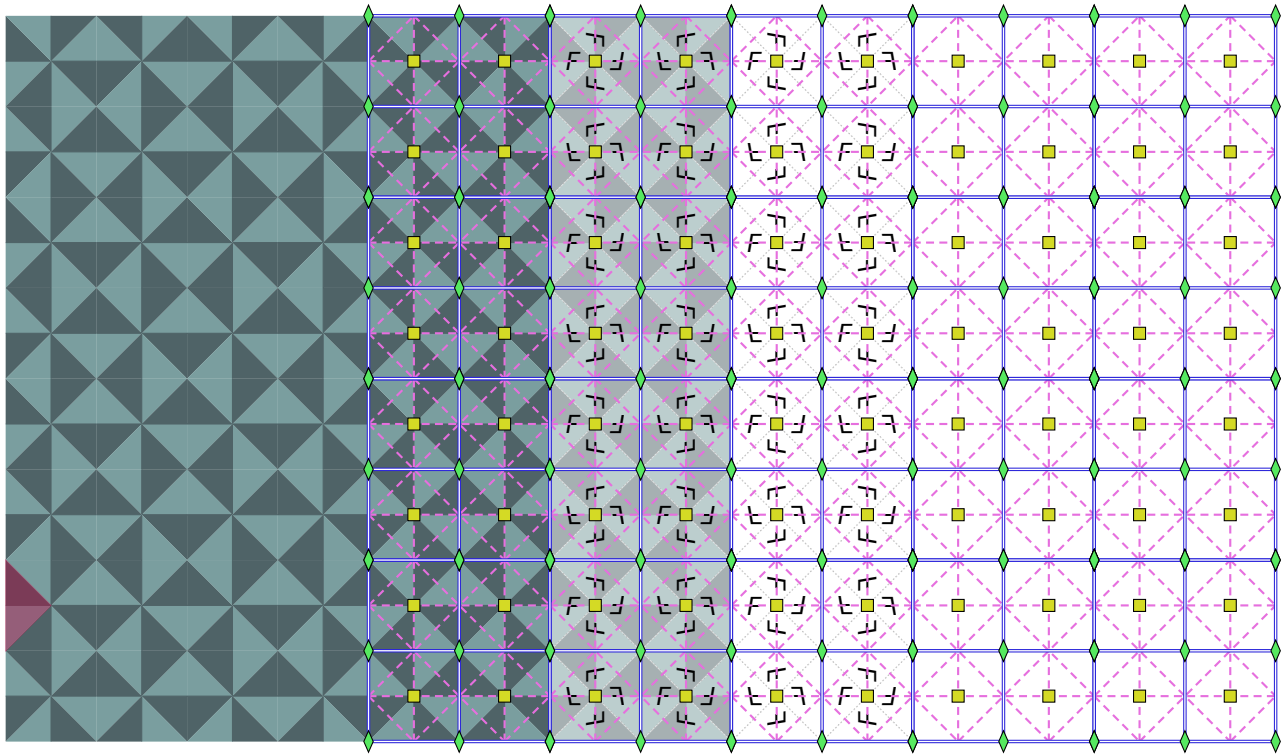


# GROUP: P4G



## ORBIFOLD SIGNATURE

4\*2

## IUC NOTATION

p4g

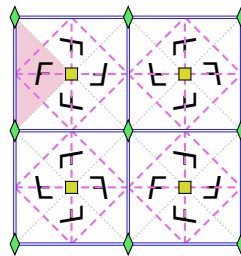
## COXETER NOTATION

[4<sup>+</sup>, 4]

## LATTICE TYPES

Square

## LATTICE STRUCTURE



## SAMPLE CELL



## ROTATIONS

### ◆ Two Fold Rotations

Two centers of 180° rotation, located at intersection of reflection axes

### ■ Four Fold Rotations

Two centers of 90° rotation, located at intersection of glide reflection axes

## REFLECTIONS



### Reflections

Two directions, perpendicular



### Glide Reflections

Four directions

## NOTES

Characterized by a checkerboard pattern of a square with four fold rotational symmetry and its reflection. A woven pattern often has p4g symmetry.

# GROUP: P4G

FUNDAMENTAL CELL

SAMPLE TILING

