

## 1.100: Subperiodic group

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A **subperiodic group** is a group of Euclidean mappings such that its translations form a lattice in a proper subspace of the space on which it acts.

A **crystallographic subperiodic group** in  $n$ -dimensional space is a subperiodic group for which the group of linear parts is a crystallographic point group of  $n$ -dimensional space. The crystallographic subperiodic groups in two and three-dimensional space are classified in:

- **frieze groups**: 7 two-dimensional groups with one-dimensional translations;
  - **rod groups**: 75 three-dimensional groups with one-dimensional translations;
  - **layer groups**: 80 three-dimensional groups with two-dimensional translations.
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