

1.94: Space group

The symmetry group of a three-dimensional crystal pattern is called its **space group**. In E^2 , the symmetry group of a two-dimensional crystal pattern is called its **plane group**. In E^1 , the symmetry group of a one-dimensional crystal pattern is called its **line group**.

To each crystal pattern belongs an infinite set of translations **T**, which are symmetry operations of that pattern. The set of all **T** forms a group known as the **translation subgroup** **T** of the space group **G** of the crystal pattern. **T** is an Abelian group.

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