

# CHAPTER OVERVIEW

## 1: Chapters

- 1.1: Introduction to Symmetry
- 1.2: Symmetry Operations and Symmetry Elements
- 1.3: Symmetry Classification of Molecules- Point Groups
- 1.4: Symmetry and Physical Properties
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- 1.6: Constructing higher groups from simpler groups
- 1.7: Mathematical Definition of a Group
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- 1.9: Transformation matrices
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- 1.11: Properties of Matrix Representations
- 1.12: Reduction of Representations I
- 1.13: Irreducible representations and symmetry species
- 1.14: Character Tables
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