

- Notation
- Introduction
- Part 1 General Principles
- 1 The Groundwork of Crystal Physics
- 2 Transformations and Second-Rank Tensors: Further Developments
- Part 2 Equilibrium Properties
- 3 Paramagnetic and Diamagnetic Susceptibility
- 4 Electric Polarization
- 5 The Stress Tensor
- 6 The Strain Tensor and Thermal Expansion
- 7 Piezoelectricity. Third-rank Tensors
- 8 Elasticity. Fourth-rank Tensors
- 9 The Matrix Method
- 10 Thermodynamics of Equilibrium Properties of Crystals
- Part 3 Transport Properties
- 11 Thermal and Electrical Conductivity
- 12 Thermoelectricity
- Part 4 Crystal Optics
- 13 Natural and Artificial Double Refraction. Second-Order Effects
- 14 Optical Activity
- Appendixes
- Bibliography
- Supplementary
- References and Notes (1985)
- Solutions to the Exercises with Notes
- Index of Names
- Index of Subjects