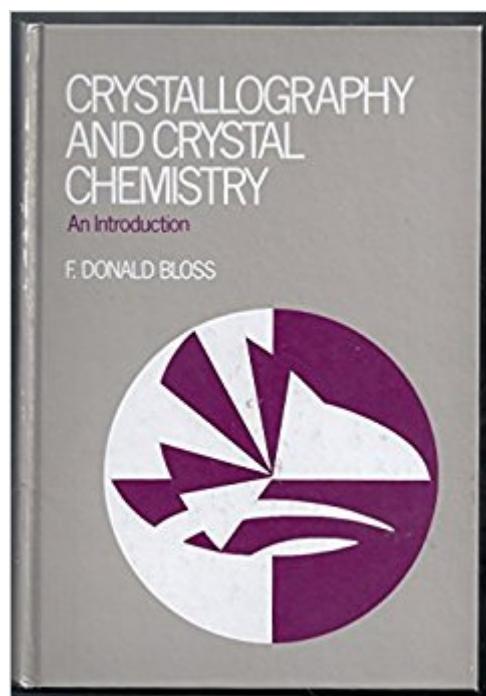


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Crystallography And Crystal Chemistry: Introduction To The Geometry Of The Solid State



Synopsis

First year text book for undergraduates.

Book Information

Hardcover: 544 pages

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Customer Reviews

First year text book for undergraduates.

If this is the same text as the hardcover 1971 edition (does not say any other edition), then this review may be appropriate here: This crystallography text was prepared for college undergraduates who have had no prior experience of the subject. Even before I became an undergrad student, I recognized the worth of this text (I snapped up the hardcover for \$10 at a used book shop; what a bargain!). Chapters include: 1. External Symmetry 2. Crystal Classes, Axes, and Systems 3. Crystal Nomenclature and Calculations 4. Crystal projections (stereonet etc) 5. Crystal Forms and Class Determination 6. Translational Symmetry: Lattices 7. Internal Symmetry: Space Groups 8. Crystal Chemistry 9. Principles of Crystal Structures 10. Structural Variations, Composition & Stability 11. Physical Properties 12. Crystals and Light 13. Introductory X-ray Crystallography Atomic Weights, and INDEX. Each chapter is in sections, and most chapters include references and recommended reading, and most include a few exercise questions and answers. This may be the best text for the student in print. It is lucid, clearly well written (as well as a college text can be expected to be), and treats well a subject which is often found difficult by students. Many a later text refers to this one for much of its information on the subject. You really have to be into crystallography to learn it; if so, consider this text. -DMM

You will not find a better written, more clearly illustrated book on this subject. This book is loaded with hundreds of illustrations depicting each concept. Every aspect of the subject is explained in detail with many references to the original literature. This is the book from which contemporary authors turn for explanatory details. Solid state chemists or physicists, materials scientists or crystallographers should not be without a copy.

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