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Sinopsis

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X-ray crystallography provides a unique opportunity to study the arrangement of atoms in a molecule. This book's modern computer-graphics centered approach facilitates the extrapolation of these valuable observations.
A unified treatment of crystal systems, the book explains how atoms are arranged in crystals using the metric matrix. Featuring two model crystal examples, the text develops theoretical concepts to point and space groups in two dimensions and then extends these ideas to three dimensions.

The book interprets the International Tables for Crystallography to bridge the gap between the crystallographic literature and spatial interatomic relationships. Numerous computer-based exercises are integrated throughout the book, with MATLAB® starter programs that help reduce the minutiae of programming.