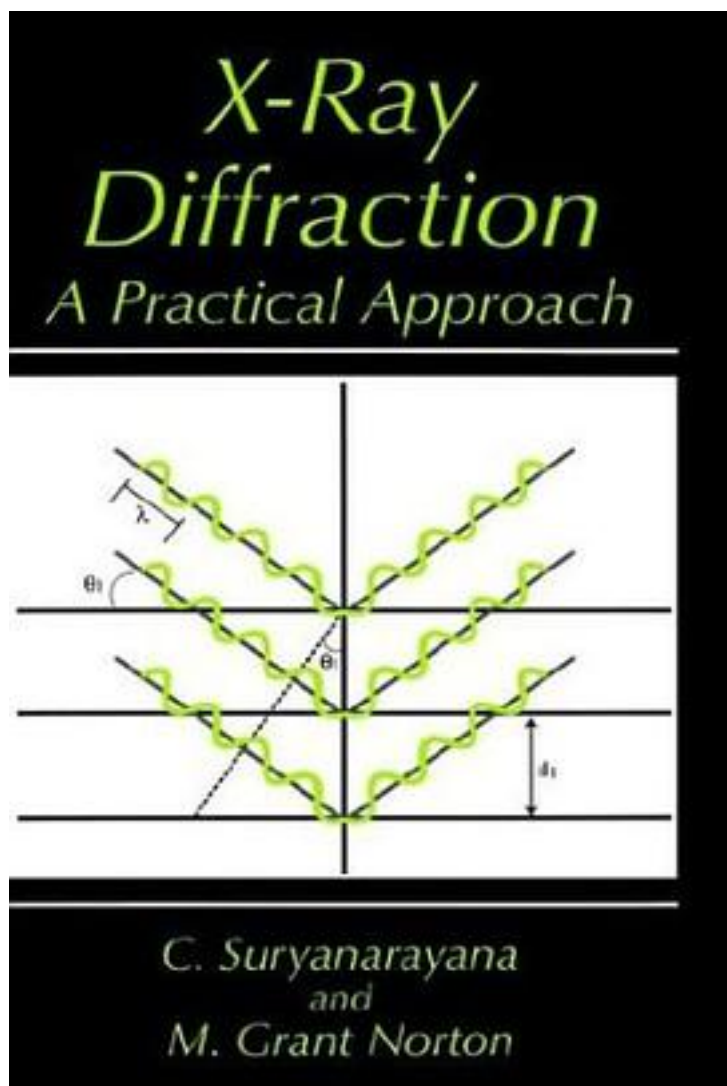


# X-ray Diffraction



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In this, the only book available to combine both theoretical and practical aspects of x-ray diffraction, the authors emphasize a 'hands on' approach through experiments and examples based on actual laboratory data. Part I presents the basics of x-ray diffraction and explains its use in obtaining structural and chemical information. In Part II, eight experimental modules enable the students to gain an appreciation for what information can be obtained by x-ray diffraction and how to interpret it. Examples from all classes of materials - metals, ceramics, semiconductors, and polymers - are included. Diffraction patterns and Bragg angles are provided for students without diffractometers. It features 192 illustrations.

作者介绍:

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