

X-Ray Diffraction

A Practical Approach

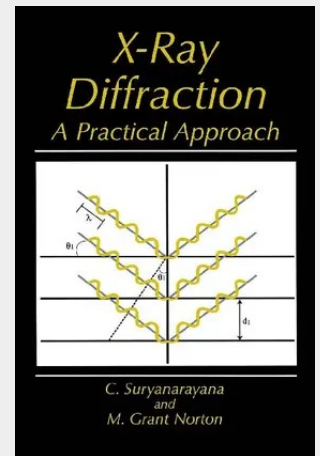
In this, the only book available to combine both theoretical and practical aspects of x-ray diffraction, the authors emphasize a "hands on" approach through experiments and examples based on actual laboratory data.

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. 192 illustrations.

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171,19 €

159,99 € (zzgl. MwSt.)

Lieferfrist: bis zu 10 Tage

Artikelnummer: 9781489901507

Medium: Buch

ISBN: 978-1-4899-0150-7

Verlag: Springer

Erscheinungstermin: 06.06.2013

Sprache(n): Englisch

Auflage: Erscheinungsjahr 2013

Produktform: Kartoniert

Gewicht: 441 g

Seiten: 273

Format (B x H): 155 x 235 mm

