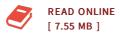




X-Ray Diffraction: In Crystals, Imperfect Crystals, and Amorphous Bodies

By Physics

Dover Publications. Paperback. Book Condition: New. Paperback. 400 pages. Dimensions: 8.3in. x 5.4in. x 0.9in.This valuable text begins with the general theory of diffraction through the use of Fourier transforms. The author then applies the general results to various atomic structures including amorphous bodies, crystals, and imperfect crystals, whereby the elementary laws of x-ray diffraction from ideal structures follow as a special case. The presentation has been carefully developed to illustrate clearly the meaning of the general equations essential for the study of more complex cases. Readers are assumed to be familiar with the elements of crystallography and x-ray diffraction, and the author has not discussed the problem of determining crystal structures. Rather the focus is on the great variety of imperfect crystals as well as amorphous bodies and liquids. The book should thus be especially useful for solid-state physicists, materials scientists, chemists, and biologists with an interest in the scattering from defective structures. More generally, it will benefit all who require a thorough understanding of diffraction theory in order to interpret properly the information provided by modern x-ray diffraction instruments on line profiles, line intensities, diffuse scattering, and other phenomena associated with disorder. This item ships from multiple locations....



Reviews

This publication might be worthy of a read through, and superior to other. It normally is not going to charge excessive. Its been written in an remarkably simple way and is particularly just after i finished reading through this book through which in fact transformed me, alter the way i really believe.

-- Juston Mraz

This is an remarkable publication that I have ever read. Indeed, it is actually engage in, nevertheless an interesting and amazing literature. I am just happy to inform you that this is the best publication i have got go through during my personal lifestyle and may be he finest ebook for actually.

-- Toby Baumbach