



Structural Biology Using Electrons and X-rays: An Introduction for Biologists (Paperback)

By Michael F. Moody

Elsevier Science Publishing Co Inc, United States, 2011. Paperback. Condition: New. Language: English . This book usually ship within 10-15 business days and we will endeavor to dispatch orders quicker than this where possible. Brand New Book. Structural Biology Using Electrons and X-Rays discusses the diffraction and image-based methods used for the determination of complex biological macromolecules. The book focuses on the Fourier transform theory, which is a mathematical function that is computed to transform signals between time and frequency domain. Composed of five parts, the book examines the development of nuclear magnetic resonance (NMR), which allows the calculation of the images of a certain protein. Parts 1 to 4 provide the basic information and the applications of Fourier transforms, as well as the different methods used for image processing using X-ray crystallography and the analysis of electron micrographs. Part 5 focuses entirely on the mathematical aspect of Fourier transforms. In addition, the book examines detailed structural analyses of a specimen s symmetry (i.e., crystals, helices, polyhedral viruses and asymmetrical particles). This book is intended for the biologist or biochemist who is interested in different methods and techniques for calculating the images of proteins using nuclear magnetic resonance (NMR). It...



READ ONLINE
[3.76 MB]

Reviews

These kinds of publication is the greatest pdf available. Better then never, though i am quite late in start reading this one. Once you begin to read the book, it is extremely difficult to leave it before concluding.

-- Lorena Streich

It becomes an awesome pdf that I have actually read through. It really is full of knowledge and wisdom You may like how the writer compose this book.

-- Amanda Gleichner