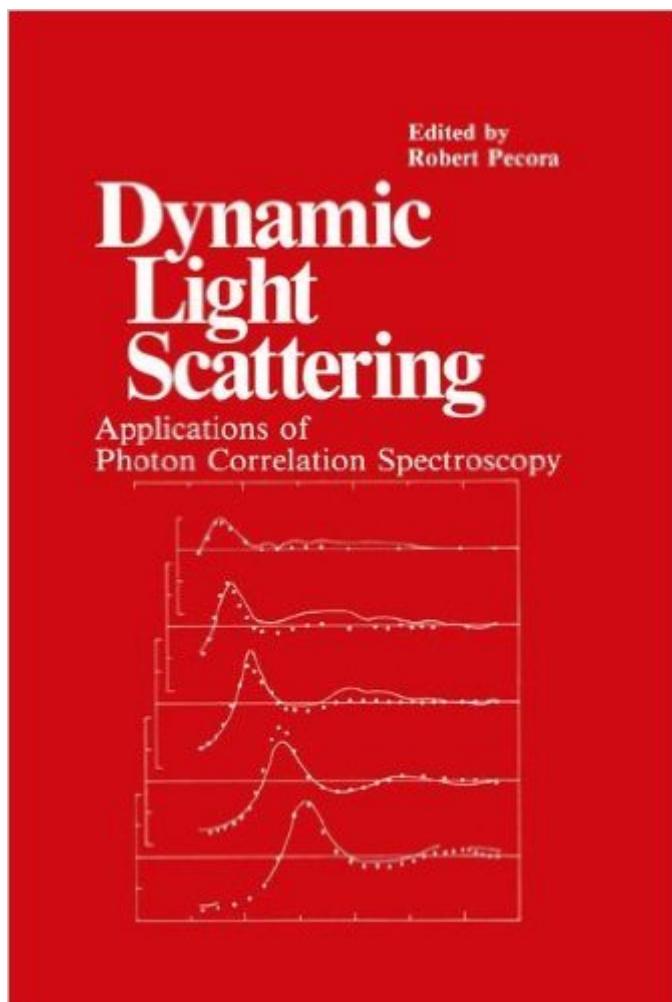


The book was found

Dynamic Light Scattering: Applications Of Photon Correlation Spectroscopy



Synopsis

In the twenty years since their inception, modern dynamic light-scattering techniques have become increasingly sophisticated, and their applications have grown exceedingly diverse. Applications of the techniques to problems in physics, chemistry, biology, medicine, and fluid mechanics have proliferated. It is probably no longer possible for one or two authors to write a monograph to cover in depth the advances in scattering techniques and the main areas in which they have made a major impact. This volume, which we expect to be the first of a series, presents reviews of selected specialized areas by renowned experts. It makes no attempt to be comprehensive; it emphasizes a body of related applications to polymeric, biological, and colloidal systems, and to critical phenomena. The well-known monographs on dynamic light scattering by Berne and Pecora and by Chu were published almost ten years ago. They provided comprehensive treatments of the general principles of dynamic light scattering and gave introductions to a wide variety of applications, but naturally they could not treat the new applications and advances in older ones that have arisen in the last decade. The new applications include studies of interacting particles in solution (Chapter 4); scaling approaches to the dynamics of polymers, including polymers in semidilute solution (Chapter 5); the use of both Fabry-Perot interferometry and photon correlation spectroscopy to study bulk polymers (Chapter 6); studies of micelles and microemulsions (Chapter 8); studies of polymer gels (Chapter 9).

Book Information

Hardcover: 420 pages

Publisher: Springer; 1985 edition (May 31, 1985)

Language: English

ISBN-10: 0306417901

ISBN-13: 978-0306417900

Product Dimensions: 6.1 x 1 x 9.2 inches

Shipping Weight: 1.7 pounds

Average Customer Review: 4.0 out of 5 stars [See all reviews](#) (1 customer review)

Best Sellers Rank: #5,314,508 in Books (See Top 100 in Books) #42 in Books > Science & Math > Chemistry > Photochemistry #1867 in Books > Science & Math > Chemistry > Physical & Theoretical > Physical Chemistry #2987 in Books > Science & Math > Physics > Optics

Customer Reviews

I am very glad having been able to purchase this book. It is in good shape and I am looking forward

to work with it.

[Download to continue reading...](#)

Dynamic Light Scattering: Applications of Photon Correlation Spectroscopy Polymers and Neutron Scattering (Oxford Series on Neutron Scattering in Condensed Matter) Biomedical Applications of Light Scattering (McGraw-Hill Biophotonics) Symmetry and Spectroscopy: An Introduction to Vibrational and Electronic Spectroscopy (Dover Books on Chemistry) Handbook of Raman Spectroscopy: From the Research Laboratory to the Process Line (Practical Spectroscopy) Image Correlation for Shape, Motion and Deformation Measurements: Basic Concepts, Theory and Applications Molecular Light Scattering and Optical Activity Molecular Light Scattering and Optical Activity Neutron, X-rays and Light. Scattering Methods Applied to Soft Condensed Matter (North-Holland Delta Series) Light Scattering by Small Particles (Dover Books on Physics) Absorption and Scattering of Light by Small Particles Light Scattering, Size Exclusion Chromatography and Asymmetric Flow Field Flow Fractionation: Powerful Tools for the Characterization of Polymers, Proteins and Nanoparticles Dynamic Programming and Optimal Control, Vol. II, 4th Edition: Approximate Dynamic Programming Towards Solid-State Quantum Repeaters: Ultrafast, Coherent Optical Control and Spin-Photon Entanglement in Charged InAs Quantum Dots (Springer Theses) Getting Started with the Photon: Making Things with the Affordable, Compact, Hackable WiFi Module Resonancia magnetica del sistema musculoesqueletico / Magnetic Resonance Imaging of the Musculoskeletal system: Atlas con correlacion anatomica / Atlas With Anatomic Correlation (Spanish Edition) Dental Anatomy: Its Correlation With Dental Health Service Handbook of Pharmacokinetic/Pharmacodynamic Correlation (Handbooks in Pharmacology and Toxicology) Time-Correlated Single Photon Counting Semiconductor Device and Failure Analysis : Using Photon Emission Microscopy

[Dmca](#)