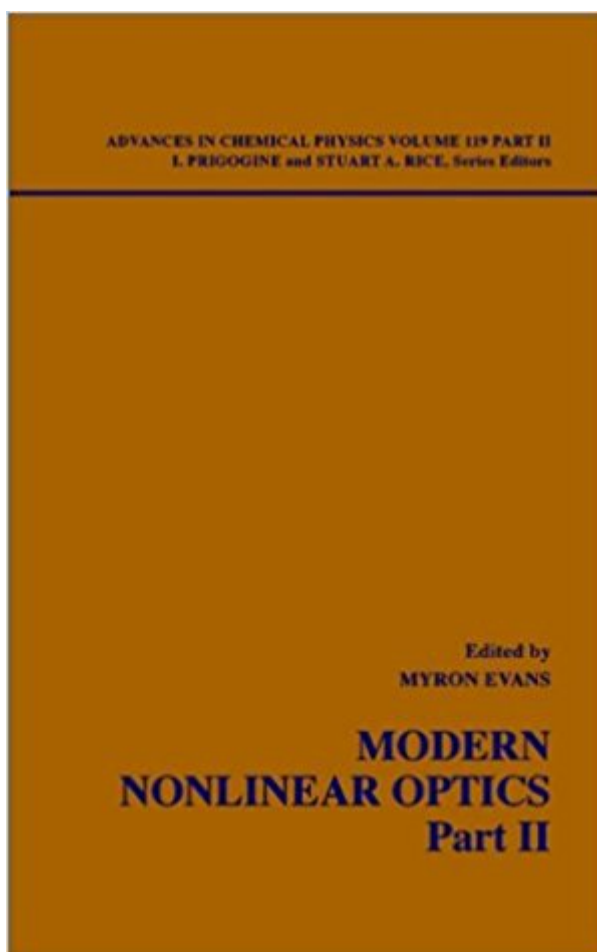


The book was found

Advances In Chemical Physics: Modern Nonlinear Optics, Volume 119, Part 2, 2nd Edition



Synopsis

The new edition will provide the sole comprehensive resource available for non-linear optics, including detailed descriptions of the advances over the last decade from world-renowned experts.

Book Information

Series: Advances in Chemical Physics (Book 131)

Hardcover: 800 pages

Publisher: Wiley-Interscience; 2 edition (September 28, 2001)

Language: English

ISBN-10: 0471389315

ISBN-13: 978-0471389316

Product Dimensions: 6.3 x 1.7 x 9.4 inches

Shipping Weight: 3 pounds (View shipping rates and policies)

Average Customer Review: 5.0 out of 5 stars 1 customer review

Best Sellers Rank: #2,695,385 in Books (See Top 100 in Books) #26 in Books > Science & Math > Chemistry > Chemical Physics #1138 in Books > Science & Math > Physics > Optics #1797 in Books > Science & Math > Chemistry > Physical & Theoretical

Customer Reviews

This book is a difficult read and is obviously not aimed at the layman, as can be seen from the price. However, since it is not only a stand alone book, but also qualifies as a ground breaking volume in the Advances in Chemical Physics Series, its main audience, serious chemical physicists around the world in major scientific institutions and universities, will be able to access this book from their libraries. A landmark in publishing and science, Advances in Chemical Physics is an international forum for the review and critical evaluation of the science that has propelled every area of the discipline. Each volume contains discussions of aspects of the state of diverse subjects in chemical physics and related fields, with chapters written by top researchers in the field from around the world. The series now comprises more than 130 volumes covering the period from the mid 1960's to the present. Collectively, they represent the history of modern chemical physics. Discussions of all areas of chemical physics, with extensions to biophysics and soft matter physics can be found in these volumes. Edited by such eminent scientists as Nobel Laureate Ilya Prigogine and National Medal of Science Winner Stuart Rice, this series has played a key role in defining the field. This book, published in 2001, is part II of the three books, which comprise Volume 119 and is Edited by Myron Evans, Britain's only scientist on the Civil List and brings together experts in the highly

specialized field of non-linear optics to give the reader the benefit of their knowledge of the latest research in this area of chemical physics. This book reports the problems with aspects of electrodynamics that the prevailing theories struggle to explain and outlines attempts to take our understanding of light past its current limits. The simplest and most powerful challenge to the paradigm prevailing in 2001, was its inability to explain certain interferometric and simple optical effects. This book is somewhat dated and theories have moved on since 2001, but this book gives a snapshot of our understanding of the nature of light from the viewpoint of chemical physics at that time. It is a difficult book for the non-specialist and contains much mathematics in its descriptions, but it has value in showing how general relativity was being applied to the problem of light. The book has historical value, in that in the next couple of years after its publication, theories advanced rapidly, so the book marks the time just before pieces of the electrodynamic jig-saw came together to improve our understanding of the nature of light and the enigmatic photon.

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

Advances in Chemical Physics: Modern Nonlinear Optics, Volume 119, Part 2, 2nd Edition
Advances in Chemical Physics: Modern Nonlinear Optics, Volume 119, Part 1, 2nd Edition
Advances in Chemical Physics: Modern Nonlinear Optics, Volume 119, Part 3, 2nd Edition
Handbook of Optics, Third Edition Volume IV: Optical Properties of Materials, Nonlinear Optics, Quantum Optics (set) Handbook of Optics, Third Edition Volume V: Atmospheric Optics, Modulators, Fiber Optics, X-Ray and Neutron Optics Advances in Chemical Physics, Volume 15: Stochastic Processes in Chemical Physics (v. 15) Nonlinear Fiber Optics, Fifth Edition (Optics and Photonics) Photonics Rules of Thumb: Optics, Electro-Optics, Fiber Optics and Lasers Recent Advances in the Theory of Chemical and Physical Systems: Proceedings of the 9th European Workshop on Quantum Systems in Chemistry and Physics ... in Theoretical Chemistry and Physics) Ab Initio Methods in Quantum Chemistry, Part 1 (Advances in Chemical Physics) Electron Transfer: From Isolated Molecules to Biomolecules, Part 2 (Advances in Chemical Physics) Advances in Imaging and Electron Physics, Volume 157: Optics of Charged Particle Analyzers Modern Classical Physics: Optics, Fluids, Plasmas, Elasticity, Relativity, and Statistical Physics Beginning Physics II: Waves, Electromagnetism, Optics and Modern Physics Handbook of Optics, Third Edition Volume I: Geometrical and Physical Optics, Polarized Light, Components and Instruments(set) Handbook of Optics, Third Edition Volume III: Vision and Vision Optics(set) Advances In Chemical Physics Volume 33 (v. 33) Advances In Chemical Physics Volume 17 (v. 17) An Introduction to Nonlinear Optics Physics for Scientists and Engineers with Modern Physics: Volume II (3rd Edition) (Physics for Scientists & Engineers)

Contact Us

DMCA

Privacy

FAQ & Help