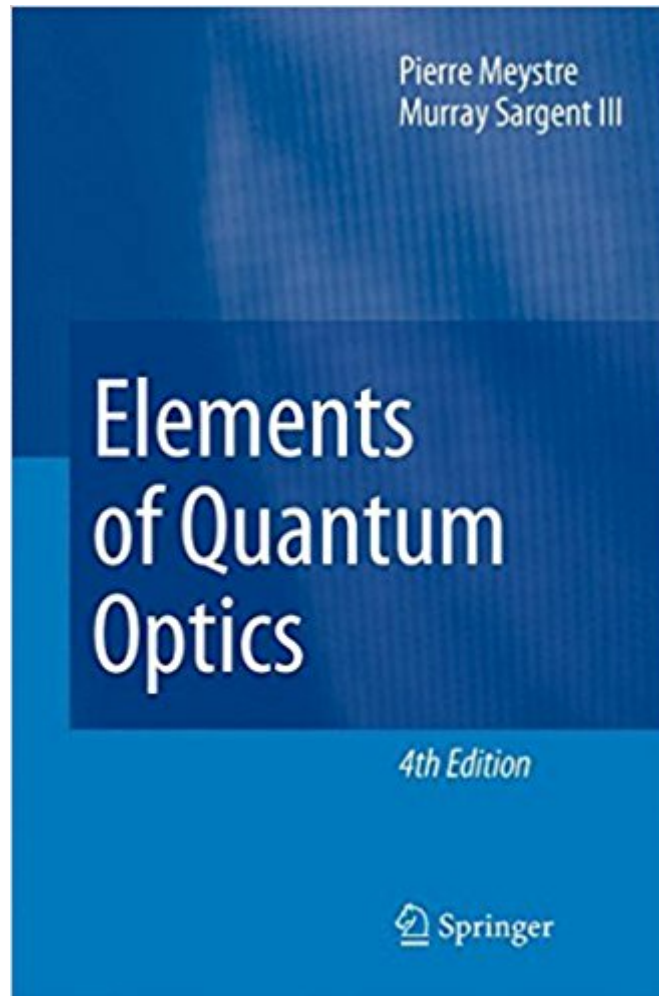




Ebook Directory
the best source of ebook

The book was found

Elements Of Quantum Optics



Synopsis

With a new chapter on quantum entanglement and quantum information, as well as added discussions of the quantum beam splitter, electromagnetically induced transparency, slow light and the input-output formalism, this fourth edition of the brilliant work on quantum optics has been much updated. It still gives a self-contained and broad coverage of the basic elements necessary to understand and carry out research in laser physics and quantum optics, including a review of basic quantum mechanics and pedagogical introductions to system-reservoir interactions and to second quantization. The text reveals the close connection between many seemingly unrelated topics, such as probe absorption, four-wave mixing, optical instabilities, resonance fluorescence and squeezing.

Book Information

Hardcover: 507 pages

Publisher: Springer; 4th edition (November 14, 2007)

Language: English

ISBN-10: 3540742093

ISBN-13: 978-3540742098

Product Dimensions: 6.4 x 1.3 x 9.4 inches

Shipping Weight: 1.9 pounds (View shipping rates and policies)

Average Customer Review: 4.3 out of 5 stars [See all reviews](#) (3 customer reviews)

Best Sellers Rank: #2,425,765 in Books (See Top 100 in Books) #73 in [Books > Science & Math > Experiments, Instruments & Measurement > Electron Microscopes & Microscopy](#) #523 in [Books > Science & Math > Physics > Light](#) #1097 in [Books > Science & Math > Physics > Optics](#)

Customer Reviews

Firstly, I would like to say thanks to the authors, I am an experimentalist who was lack of the theoretical training, I read the book by self-studying. The style of this book inherit the book *Laser physics* (by Sargent, Scully, Lamb), which is also my favorite. Especially, in the new editing, Meystre update new topics in the field of modern quantum optics (such as cavity QED) which I think also very good for self-study. However, the new typesetting of the book makes me somehow uncomfortable since the spacing of the lines is too compact. I would appreciate the editing/typesetting of the second editing.

Good as an introductory monograph, poor textbook. All the information is present, but it is not well

organized for self learning or course development. Nevertheless it is worth reading if you are interested in this field. If you are new to the material, start elsewhere, then come look at this book.

A must for Post-graduate students of applied electronics, electro-optics, and applied quantum mechanics.

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

Handbook of Optics, Third Edition Volume V: Atmospheric Optics, Modulators, Fiber Optics, X-Ray and Neutron Optics Handbook of Optics, Third Edition Volume IV: Optical Properties of Materials, Nonlinear Optics, Quantum Optics (set) Photonics Rules of Thumb: Optics, Electro-Optics, Fiber Optics and Lasers Photonics Rules of Thumb: Optics, Electro-Optics, Fiber Optics, and Lasers (Optical and Electro-Optical Engineering Series) Elements of Quantum Optics Handbook of Optics, Third Edition Volume I: Geometrical and Physical Optics, Polarized Light, Components and Instruments(set) Applications of Nonlinear Fiber Optics, Second Edition (Optics and Photonics Series) Handbook of Optics, Third Edition Volume III: Vision and Vision Optics(set) Lectures on Light: Nonlinear and Quantum Optics using the Density Matrix Semiconductor Quantum Optics Fundamentals of Quantum Mechanics: For Solid State Electronics and Optics Fundamentals of Physics II: Electromagnetism, Optics, and Quantum Mechanics: 2 (The Open Yale Courses Series) The Encyclopedia of Crystals, Herbs, and New Age Elements: An A to Z Guide to New Age Elements and How to Use Them Towards Solid-State Quantum Repeaters: Ultrafast, Coherent Optical Control and Spin-Photon Entanglement in Charged InAs Quantum Dots (Springer Theses) Quantum Nanoelectronics: An introduction to electronic nanotechnology and quantum computing QUANTUM SELF HYPNOSIS STOP SMOKING NOW: Hypnosis Script & Inductions Included! (Quantum Self Hypnosis Singles Book 2) Quantum Runes: How to Create Your Perfect Reality Using Quantum Physics and Teutonic Rune Magic (Creating Magick with The Universal Laws of Attraction Book 1) Quantum Thermodynamics: Emergence of Thermodynamic Behavior Within Composite Quantum Systems (Lecture Notes in Physics) Quantum Mechanics and Quantum Field Theory: A Mathematical Primer Quantum Computation and Quantum Information: 10th Anniversary Edition

[Contact Us](#)

[DMCA](#)

[Privacy](#)

