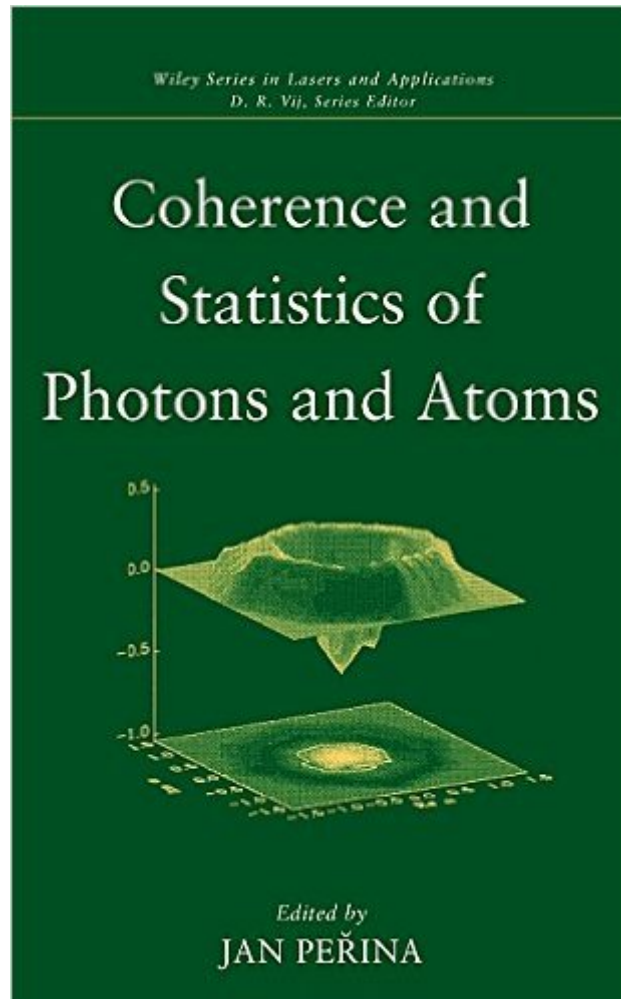


The book was found

Coherence And Statistics Of Photons And Atoms



Synopsis

Up-to-date, expert new research in quantum optics and its applications *Coherence and Statistics of Photons and Atoms* provides cutting-edge research in modern quantum optics and complete information about systems of interacting photons and atoms based on the quantum statistical properties of such systems. Editor Jan Perina has collected eleven articles from experts around the world to illuminate the changing science of quantum optics and push the development of new, more powerful, applications such as quantum cryptography, quantum computation, and quantum teleportation. Recent articles highlight the most interesting directions in the development of contemporary quantum optics with important consequences for other physical sciences and their applications. The first chapter presents a basic analysis of quantum electrodynamics, including cavities, followed by chapters devoted to properties of photons and atoms and their interactions in quantum computers. Other articles cover these vital subjects: * Nonlinear quantum couplers * Internal correlations in optical pulses * Detection and reconstruction of quantum states from the point of view of quantum information * Quantum interference, coherence, and correlation * Quantum information and teleportation * Interaction of atoms with squeezed reservoirs * Quantum statistics and coherence of trapped atoms * Dynamics of systems of atoms *Coherence and Statistics of Photons and Atoms* extends earlier treatments to include up-to-date results and organizes them into a form suitable for further research in the fundamental concepts of quantum optics and in new optical applications. Comprehensive discussions of preparation, transmission, detection, and reconstruction of quantum states, as well as in-depth coverage of quantum computing, make this the most complete source of new information available to students and professionals.

Book Information

Series: Wiley Series in Lasers and Applications

Hardcover: 544 pages

Publisher: Wiley-VCH; 1 edition (March 26, 2001)

Language: English

ISBN-10: 0471388610

ISBN-13: 978-0471388616

Product Dimensions: 6.3 x 1.2 x 9.4 inches

Shipping Weight: 1.9 pounds

Average Customer Review: Be the first to review this item

Best Sellers Rank: #2,085,531 in Books (See Top 100 in Books) #324 in Books > Science &

Math > Physics > Nuclear Physics > Atomic & Nuclear Physics #418 inÂ Books > Science & Math > Physics > Light #895 inÂ Books > Science & Math > Physics > Optics

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

Coherence and Statistics of Photons and Atoms Statistics for People Who (Think They) Hate Statistics (Salkind, Statistics for People Who(Think They Hate Statistics(Without CD)) Behavior of Electrons in Atoms. Structure, Spectra, and Photochemistry of Atoms The Taking Action Guide to Building Coherence in Schools, Districts, and Systems The Coherence of Theism: Second Edition (Clarendon Library of Logic and Philosophy) The Cache Coherence Problem in Shared-Memory Multiprocessors: Software Solutions (Systems) Analytic Function Theory of Several Variables: Elements of Oka's Coherence Time Series Modeling for Analysis and Control: Advanced Autopilot and Monitoring Systems (SpringerBriefs in Statistics / JSS Research Series in Statistics) Modern Applied Statistics With S-Plus (Statistics and Computing) An Introduction to Statistics with Python: With Applications in the Life Sciences (Statistics and Computing) Winning The Lottery: Revealed! Proven Tips, Techniques, and Strategies on How to Win the Lottery (Lotteries, Probabilities, Statistics) (Winning the Lottery, Lotteries, Probabilities, Statistics) Matrix Algebra: Theory, Computations, and Applications in Statistics (Springer Texts in Statistics) Applied Bayesian Statistics: With R and OpenBUGS Examples (Springer Texts in Statistics) All of Statistics: A Concise Course in Statistical Inference (Springer Texts in Statistics) Matrices With Applications in Statistics (Wadsworth statistics/probability series) Energy and power: How man uses animals, wind, water, heat, electricity, chemistry, and atoms to help him in his daily living (Golden library of knowledge) Zoom: How Everything Moves: From Atoms and Galaxies to Blizzards and Bees Atoms, Radiation, and Radiation Protection Density-Functional Theory of Atoms and Molecules (International Series of Monographs on Chemistry) Quantum Physics of Atoms, Molecules, Solids, Nuclei, and Particles

[Dmca](#)