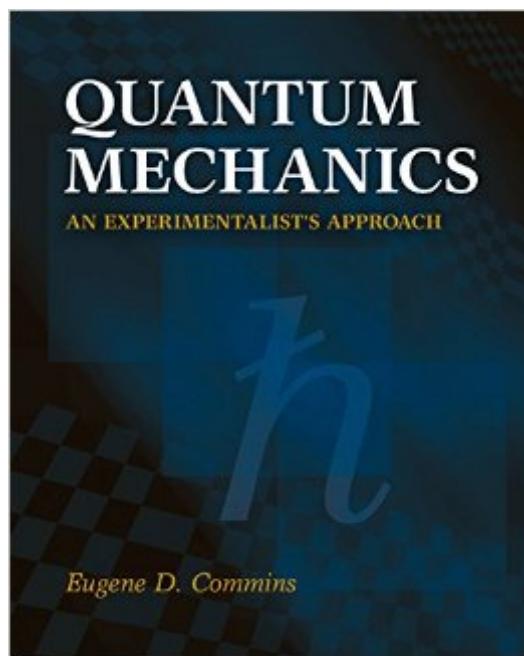


The book was found

Quantum Mechanics: An Experimentalist's Approach



Synopsis

Eugene D. Commins takes an experimentalist's approach to quantum mechanics, preferring to use concrete physical explanations over formal, abstract descriptions to address the needs and interests of a diverse group of students. Keeping physics at the foreground and explaining difficult concepts in straightforward language, Commins examines the many modern developments in quantum physics, including Bell's inequalities, locality, photon polarization correlations, the stability of matter, Casimir forces, geometric phases, Aharonov-Bohm and Aharonov-Casher effects, magnetic monopoles, neutrino oscillations, neutron interferometry, the Higgs mechanism, and the electroweak standard model. The text is self-contained, covering the necessary background on atomic and molecular structure in addition to the traditional topics. Developed from the author's well-regarded course notes for his popular first-year graduate course at UC Berkeley, instruction is supported by over 160 challenging problems to illustrate concepts and provide students with ample opportunity to test their knowledge and understanding.

Book Information

Hardcover: 720 pages

Publisher: Cambridge University Press; 1 edition (September 8, 2014)

Language: English

ISBN-10: 110706399X

ISBN-13: 978-1107063990

Product Dimensions: 8 x 1.2 x 10 inches

Shipping Weight: 4 pounds (View shipping rates and policies)

Average Customer Review: 5.0 out of 5 starsÂ See all reviewsÂ (1 customer review)

Best Sellers Rank: #372,120 in Books (See Top 100 in Books) #36 inÂ Books > Science & Math > Physics > Nuclear Physics > Atomic & Nuclear Physics #315 inÂ Books > Science & Math > Physics > Quantum Theory #11718 inÂ Books > Textbooks > Science & Mathematics

Customer Reviews

Unusually clear and interesting to read. Covers a lot of ground.

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

Quantum Mechanics: An Experimentalist's Approach The Quantum World: Quantum Physics for Everyone Quantum Mechanics! The How's and Why's of Atoms and Molecules - Chemistry for Kids - Children's Chemistry Books Fundamentals of Physics II: Electromagnetism, Optics, and Quantum

Mechanics (The Open Yale Courses Series) Quantum Mechanics of One- And Two-Electron Atoms Quantum Mechanics in a Nutshell Introduction to Quantum Mechanics: in Chemistry, Materials Science, and Biology (Complementary Science) Computational Chemistry: Introduction to the Theory and Applications of Molecular and Quantum Mechanics Quantum Mechanics Demystified, 2nd Edition Quantum Mechanics: The Theoretical Minimum The Feynman Lectures on Physics: Volume 1, Quantum Mechanics The Feynman Lectures on Physics: Volume 2, Advanced Quantum Mechanics The Black Hole War: My Battle to Make the World Safe for Quantum Mechanics The Conceptual Foundations of the Statistical Approach in Mechanics (Dover Books on Physics) Statics and Mechanics of Materials: An Integrated Approach Body Mechanics for Manual Therapists: A Functional Approach to Self-Care (LWW Massage Therapy and Bodywork Educational Series) Quantum Physics for Babies (Volume 1) Quantum Information for Babies (Physics for Babies) (Volume 5) Quantum Entanglement for Babies (Physics for Babies) (Volume 4) The Universe Is Virtual: Discover the Science of the Future, Where the Emerging Field of Digital Physics Meets Consciousness, Reincarnation, Oneness, and Quantum Forgiveness

[Dmca](#)