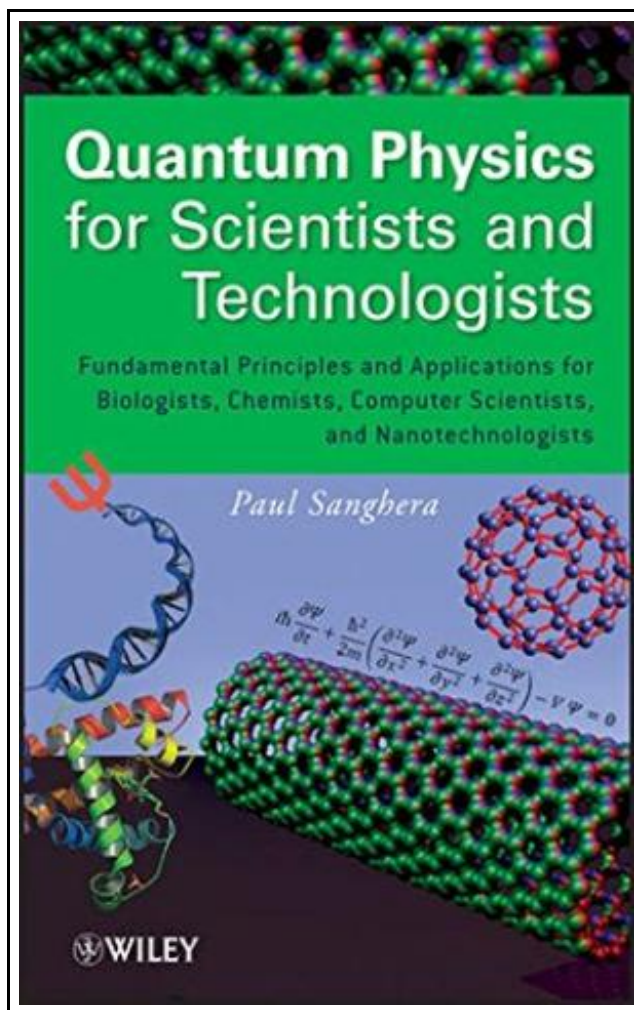


Quantum Physics for Scientists and Technologists: Fundamental Principles and Applications for Biologists, Chemists, Computer Scientists, and Nanotechnologists (Hardback)



Filesize: 9.07 MB

Reviews


I just started out reading this ebook. It is rally exciting throgth reading through time. Once you begin to read the book, it is extremely difficult to leave it before concluding.

(Leonie Collins)

QUANTUM PHYSICS FOR SCIENTISTS AND TECHNOLOGISTS: FUNDAMENTAL PRINCIPLES AND APPLICATIONS FOR BIOLOGISTS, CHEMISTS, COMPUTER SCIENTISTS, AND NANOTECHNOLOGISTS (HARDBACK)



John Wiley and Sons Ltd, United States, 2011. Hardback. Book Condition: New. 1. Auflage. 238 x 156 mm. Language: English . Brand New Book. Quantum Physics for Scientists and Technologists is a self-contained, comprehensive review of this complex branch of science. The book demystifies difficult concepts and views the subject through non-physics fields such as computer science, biology, chemistry, and nanotechnology. It explains key concepts and phenomena in the language of non-physics majors and with simple math, assuming no prior knowledge of the topic. This cohesive book begins with the wavefunction to develop the basic principles of quantum mechanics such as the uncertainty principle and wave-particle duality. Comprehensive coverage of quantum theory is presented, supported by experimental results and explained through applications and examples without the use of abstract and complex mathematical tools or formalisms. From there, the book: * Takes the mystery out of the Schrodinger equation, the fundamental equation of quantum physics, by applying it to atoms * Shows how quantum mechanics explains the periodic table of elements * Introduces the quantum mechanical concept of spin and spin quantum number, along with Pauli s Exclusion Principle regarding the occupation of quantum states * Addresses quantum states of molecules in terms of rotation and vibration of diatomic molecules * Explores the interface between classical statistical mechanics and quantum statistical mechanics * Discusses quantum mechanics as a common thread through different fields of nanoscience and nanotechnology Each chapter features real-world applications of one or more quantum mechanics principles. Study Checkpoints and problems with solutions are presented throughout to make difficult concepts easy to understand. In addition, pictures, tables, and diagrams with full explanations are used to present data and further explain difficult concepts. This book is designed as a complete course in quantum mechanics for senior undergraduates and first-year graduate...

 [Read Quantum Physics for Scientists and Technologists: Fundamental Principles and Applications for Biologists, Chemists, Computer Scientists, and Nanotechnologists \(Hardback\) Online](#)

 [Download PDF Quantum Physics for Scientists and Technologists: Fundamental Principles and Applications for Biologists, Chemists, Computer Scientists, and Nanotechnologists \(Hardback\)](#)

Relevant PDFs



Music for Children with Hearing Loss: A Resource for Parents and Teachers (Paperback)

Oxford University Press Inc, United States, 2014. Paperback. Book Condition: New. 228 x 156 mm. Language: English . Brand New Book. Written by an expert in the field who is both a teacher and a...

[Download Book »](#)



Daycare Seen Through a Teacher s Eyes: A Guide for Teachers and Parents (Paperback)

America Star Books, United States, 2010. Paperback. Book Condition: New. 224 x 152 mm. Language: English . Brand New Book ***** Print on Demand *****.Between the good mornings and the good nights it s what...

[Download Book »](#)



Oxford Primary Illustrated Science Dictionary (Paperback)

Oxford University Press, United Kingdom, 2013. Paperback. Book Condition: New. 238 x 184 mm. Language: English . Brand New Book. The Oxford Primary Illustrated Science Dictionary supports the curriculum and gives comprehensive coverage of the...

[Download Book »](#)



The Water Goblin, Op. 107 / B. 195: Study Score (Paperback)

Petrucci Library Press, United States, 2013. Paperback. Book Condition: New. 238 x 170 mm. Language: English . Brand New Book ***** Print on Demand *****.The first of four late tone poems inspired by Bouquet, a...

[Download Book »](#)



Oxford Primary Illustrated Maths Dictionary (Paperback)

Oxford University Press, United Kingdom, 2012. Paperback. Book Condition: New. 238 x 182 mm. Language: English . Brand New Book. The Oxford Primary Illustrated Maths Dictionary supports the curriculum and gives comprehensive coverage of the...

[Download Book »](#)



Read Write Inc. Phonics: Pink Set 3 Non-Fiction 1 Jay s Clay Pot (Paperback)

Oxford University Press, United Kingdom, 2016. Paperback. Book Condition: New. 172 x 88 mm. Language: N/A. Brand New Book. These decodable non-fiction books provide structured practice for children learning to read. Each set of books

[Read Document »](#)



The Well-Trained Mind: A Guide to Classical Education at Home (Hardback)

WW Norton Co, United States, 2016. Hardback. Book Condition: New. 4th Revised edition. 244 x 165 mm. Language: English . Brand New Book. The Well-Trained Mind will instruct you, step by step, on how to

[Read Document »](#)



Readers Clubhouse Set B Time to Open (Paperback)

Barron s Educational Series, United States, 2006. Paperback. Book Condition: New. 222 x 148 mm. Language: English . Brand New Book. This is volume nine, Reading Level 2, in a comprehensive program (Reading Levels 1

[Read Document »](#)



Bully, the Bullied, and the Not-So Innocent Bystander: From Preschool to High School and Beyond: Breaking the Cycle of Violence and Creating More Deeply Caring Communities (Paperback)

HarperCollins Publishers Inc, United States, 2016. Paperback. Book Condition: New. Reprint. 203 x 135 mm. Language: English . Brand New Book. An international bestseller, Barbara Coloroso s groundbreaking and trusted guide on bullying-including cyberbullying-arms parents

[Read Document »](#)



Studyguide for Introduction to Early Childhood Education: Preschool Through Primary Grades by Brewer, Jo Ann (Paperback)

CRAM101, United States, 2013. Paperback. Book Condition: New. 279 x 210 mm. Language: English . Brand New Book ***** Print on Demand *****.Never HIGHLIGHT a Book Again! Includes all testable terms, concepts, persons, places, and

[Read Document »](#)