



Quantum Mechanics: Concepts and Applications

By Zettili, Nouredine

Wiley, 2009. Book Condition: New. Brand New, Unread Copy in Perfect Condition. A+ Customer Service! Summary: Preface.1. Origins of Quantum Physics.1.1 Historical Note.1.2 Particle Aspect of Radiation.1.3 Wave Aspect of Particles.1.4 Particles versus Waves.1.5 Indeterministic Nature of the Microphysical World.1.6 Atomic Transitions and Spectroscopy.1.7 Quantization Rules.1.8 Wave Packets.1.9 Concluding Remarks.1.10 Solved Problems.Exercises.2. Mathematical Tools of Quantum Mechanics.2.1 Introduction.2.2 The Hilbert Space and Wave Functions.2.3 Dirac Notation.2.4 Operators.2.5 Representation in Discrete Bases.2.6 Representation in Continuous Bases.2.7 Matrix and Wave Mechanics.2.8 Concluding Remarks.2.9 Solved Problems.Exercises.3. Postulates of Quantum Mechanics.3.1 Introduction.3.2 The Basic Postulates of Quantum Mechanics.3.3 The State of a System.3.4 Observables and Operators.3.5 Measurement in Quantum Mechanics.3.6 Time Evolution of the System's State.3.7 Symmetries and Conservation Laws.3.8 Connecting Quantum to Classical Mechanics.3.9 Solved Problems.Exercises.4. One-Dimensional Problems.4.1 Introduction.4.2 Properties of One-Dimensional Motion.4.3 The Free Particle: Continuous States.4.4 The Potential Step.4.5 The Potential Barrier and Well.4.6 The Infinite Square Well Potential.4.7 The Finite Square Well Potential.4.8 The Harmonic Oscillator.4.9 Numerical Solution of the Schrödinger Equation.4.10 Solved Problems.Exercises.5. Angular Momentum.5.1 Introduction.5.2 Orbital Angular Momentum.5.3 General Formalism of Angular Momentum.5.4 Matrix Representation of Angular Momentum.5.5 Geometrical

Reviews

Absolutely essential read book. It is probably the most incredible pdf i have got read through. You will like the way the writer publish this pdf.

-- **Griffin Hirthe**

This ebook is definitely not easy to get going on looking at but quite fun to learn. We have read and so i am sure that i will gonna study once more yet again later on. I am very happy to inform you that here is the finest publication i actually have read inside my personal daily life and might be the best publication for possibly.

-- **Sister Langosh**

Other Books



Grandpa Spanielson's Chicken Pox Stories: Story #1: The Octopus (I Can Read Book 2)

HarperCollins, 2005. Book Condition: New. Brand New, Unread Copy in Perfect Condition. A+ Customer Service! Summary: Foreword by Raph Koster. Introduction. I. EXECUTIVE CONSIDERATIONS. 1. The Market. Do We Enter the Market? Basic Considerations. How and Which Niche? Market Analysis: Who Are...



Star Flights Bedtime Spaceship: Journey Through Space While Drifting Off to Sleep

CreateSpace Independent Publishing Platform, 2013. Book Condition: New. Brand New, Unread Copy in Perfect Condition. A+ Customer Service! Summary: "Star Flights Bedtime Spaceship" is a charming and fun story with the purpose to help children unwind and go to sleep. The underlying...



The Web Collection Revealed, Premium Edition: Adobe Dreamweaver CS6, Flash CS6, and Photoshop CS6 (Stay Current with Adobe Creative Cloud)

Cengage Learning, 2012. Book Condition: New. Brand New, Unread Copy in Perfect Condition. A+ Customer Service! Summary: You can now maximize and integrate the design and development power of Adobe Creative Suite 6 with WEB COLLECTION REVEALED PREMIUM EDITION. This one of...



TJ new concept of the Preschool Quality Education Engineering the daily learning book of: new happy learning young children (2-4 years old) in small classes (3)(Chinese Edition)

paperback. Book Condition: New. Ship out in 2 business day, And Fast shipping, Free Tracking number will be provided after the shipment. Paperback. Pub Date :2005-09-01 Publisher: Chinese children before making Reading: All books are the Youth Pre-employment Training software download generated pictures...



The Clever Detective Boxed Set (a Fairy Tale Romance): Stories 1, 2 and 3 (Paperback)

Createspace, United States, 2012. Paperback. Book Condition: New. 229 x 152 mm. Language: English . Brand New Book ***** Print on Demand *****.After six years as a private investigator, Stacey Alexander has the strangest day of her life when she falls down...



TJ new concept of the Preschool Quality Education Engineering the daily learning book of: new happy learning young children (3-5 years) Intermediate (3)(Chinese Edition)

paperback. Book Condition: New. Ship out in 2 business day, And Fast shipping, Free Tracking number will be provided after the shipment. Paperback. Pub Date :2005-09-01 Publisher: Chinese children before making Reading: All books are the Youth Pre-employment Training software download generated pictures...