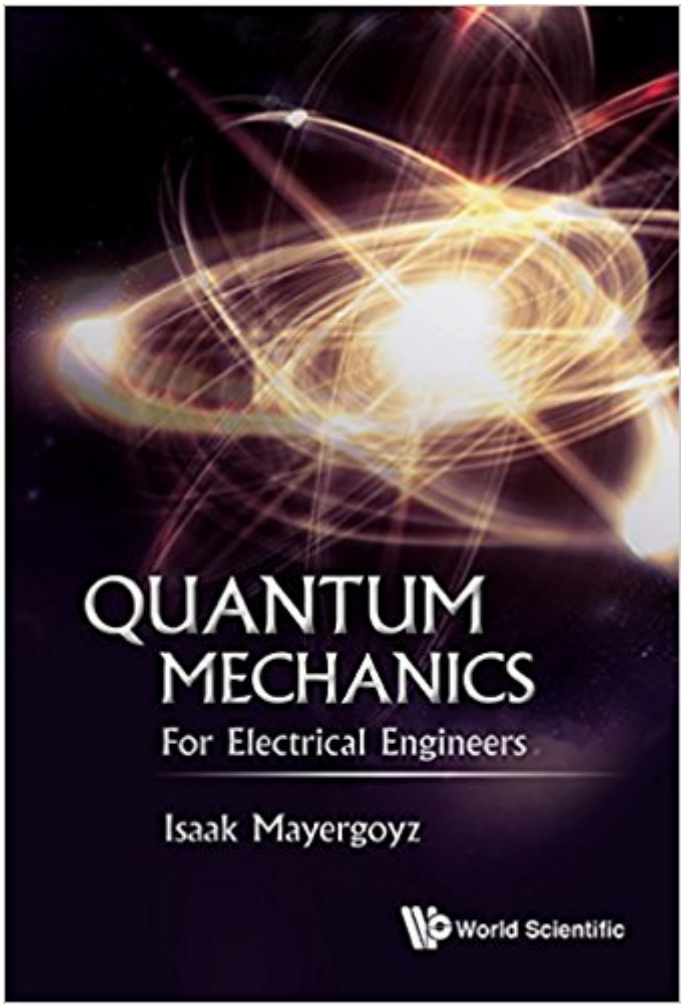
Ebook Directory
the best source of ebook

The book was found

Quantum Mechanics: For Electrical Engineers



PDF
Adobe
DOWNLOAD EBOOK

Synopsis

The book is designed for a one-semester graduate course in quantum mechanics for electrical engineers. It can also be used for teaching quantum mechanics to graduate students in materials science and engineering departments as well as to applied physicists. The selection of topics in the book is based on their relevance to engineering applications. The book provides the theoretical foundation for graduate courses in quantum optics and lasers, semiconductor electronics, applied superconductivity and quantum computing. It covers (along with traditional subjects) the following topics: resonant and Josephson tunneling; Landau levels and their relation to the integer quantum Hall effect; effective mass Schrodinger equation and semi-classical transport; quantum transitions in two-level systems; Berry phase and Berry curvature; density matrix and optical Bloch equation for two-level systems; Wigner function and quantum transport; exchange interaction and spintronic.

Book Information

Hardcover: 301 pages

Publisher: World Scientific Publishing Company (September 23, 2016)

Language: English

ISBN-10: 9813146907

ISBN-13: 978-9813146907

Product Dimensions: 6 x 0.9 x 9 inches

Shipping Weight: 1.2 pounds (View shipping rates and policies)

Average Customer Review: Be the first to review this item

Best Sellers Rank: #2,441,129 in Books (See Top 100 in Books) #63 inÃ Â Books > Engineering & Transportation > Engineering > Electrical & Electronics > Electronics > Solid State #1956 inÃ Â Books > Science & Math > Physics > Quantum Theory #62394 inÃ Â Books > Textbooks > Science & Mathematics

Download to continue reading...

Advanced Molecular Quantum Mechanics: An Introduction to Relativistic Quantum Mechanics and the Quantum Theory of Radiation (Studies in Chemical Physics) Quantum Mechanics: For Electrical Engineers Quantum Mechanics: Re-engineering Your Life With Quantum Mechanics & Affirmations Quantum Ontology: A Guide to the Metaphysics of Quantum Mechanics Quantum Mechanics for Scientists and Engineers The Quantum Mechanics Solver: How to Apply Quantum Theory to Modern Physics Camping With the Corps of Engineers: The Complete Guide to Campgrounds Built and Operated by the U.S. Army Corps of Engineers (Wright Guides) Tiny House Engineers

Notebook: Volume 1, Off Grid Power: Tiny House Engineers Notebook: Volume 1, Off Grid Power Quantum Nanoelectronics: An introduction to electronic nanotechnology and quantum computing Introduction to Topological Quantum Matter & Quantum Computation 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) Delirious, A Quantum Novel (Quantum Series Book 6) Physics for Scientists and Engineers with Modern Physics: Volume II (3rd Edition) (Physics for Scientists & Engineers) Physics for Scientists and Engineers: Vol. 2: Electricity and Magnetism, Light (Physics, for Scientists & Engineers, Chapters 22-35) Quantum Thermodynamics: Emergence of Thermodynamic Behavior Within Composite Quantum Systems (Lecture Notes in Physics) Covariant Loop Quantum Gravity: An Elementary Introduction to Quantum Gravity and Spinfoam Theory (Cambridge Monographs on Mathematical Physics) Quantum Space (Quantum Series Book 1) Quantum Incident (Quantum Series Book 0) The Wright Guide to Camping With the Corps of Engineers: The Complete Guide to Campgrounds Built and Operated by the U.S. Army Corps of Engineers (Wright Guides) Design for Electrical and Computer Engineers

Contact Us

DMCA

Privacy

FAQ & Help