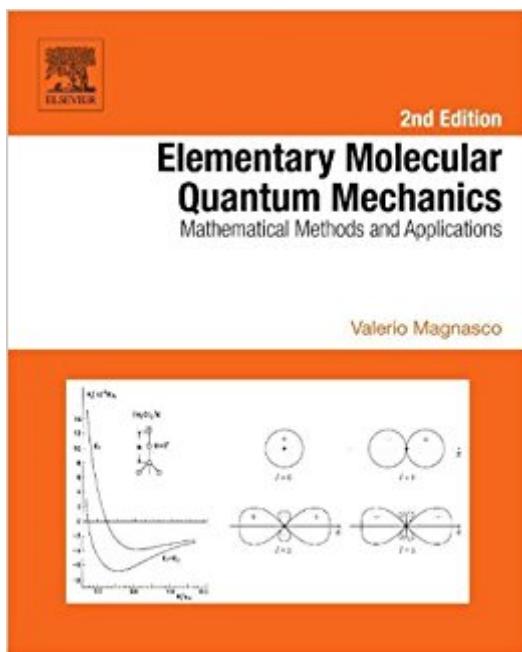


The book was found

# Elementary Molecular Quantum Mechanics: Mathematical Methods And Applications



## Synopsis

The second edition of Elementary Molecular Quantum Mechanics shows the methods of molecular quantum mechanics for graduate University students of Chemistry and Physics. This readable book teaches in detail the mathematical methods needed to do working applications in molecular quantum mechanics, as a preliminary step before using commercial programmes doing quantum chemistry calculations. This book aims to bridge the gap between the classic Coulsonâ™s Valence, where application of wave mechanical principles to valence theory is presented in a fully non-mathematical way, and McWeenyâ™s Methods of Molecular Quantum Mechanics, where recent advances in the application of quantum mechanical methods to molecular problems are presented at a research level in a full mathematical way. Many examples and mathematical points are given as problems at the end of each chapter, with a hint for their solution. Solutions are then worked out in detail in the last section of each Chapter. Uses clear and simplified examples to demonstrate the methods of molecular quantum mechanicsSimplifies all mathematical formulae for the readerProvides educational training in basic methodology

## Book Information

File Size: 19990 KB

Print Length: 1012 pages

Publisher: Elsevier Science; 2 edition (August 7, 2013)

Publication Date: August 7, 2013

Sold by:Â Digital Services LLC

Language: English

ASIN: B00F0O94YE

Text-to-Speech: Enabled

X-Ray: Not Enabled

Word Wise: Not Enabled

Lending: Not Enabled

Enhanced Typesetting: Not Enabled

Best Sellers Rank: #1,254,012 Paid in Kindle Store (See Top 100 Paid in Kindle Store) #146 inÂ Books > Science & Math > Chemistry > Molecular Chemistry #153 inÂ Kindle Store > Kindle eBooks > Nonfiction > Science > Chemistry > Physical & Theoretical #496 inÂ Kindle Store > Kindle eBooks > Nonfiction > Science > Physics > Quantum Theory

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

Elementary Molecular Quantum Mechanics: Mathematical Methods and Applications Quantum Mechanics and Quantum Field Theory: A Mathematical Primer High Throughput Screening: Methods and Protocols (Methods in Molecular Biology) (Methods in Molecular Biology, 190) Elementary Cryptanalysis: A Mathematical Approach (Mathematical Association of America Textbooks) Elementary Algebraic Geometry (Student Mathematical Library, Vol. 20) (Student Mathematical Library, V. 20) Molecular Quantum Mechanics Solutions Manual for Molecular Quantum Mechanics HPLC of Peptides and Proteins: Methods and Protocols (Methods in Molecular Biology) Antibody Phage Display: Methods and Protocols (Methods in Molecular Biology) Patch-Clamp Methods and Protocols (Methods in Molecular Biology) Vaccine Technologies for Veterinary Viral Diseases: Methods and Protocols (Methods in Molecular Biology) Direct Methods for Solving the Boltzmann Equation and Study of Nonequilibrium Flows (Fluid Mechanics and Its Applications) Subtraction Facts Math Practice Worksheet Arithmetic Workbook With Answers: Daily Practice guide for elementary students and other kids (Elementary Subtraction Series) (Volume 1) Spanish Reader for Beginners-Elementary 2-Short Paragraphs in Spanish: Spanish to English Translation (Spanish Reader for Beginners-Elementary 1, 2 & 3) (Spanish Edition) Molecular Modeling at the Atomic Scale: Methods and Applications in Quantitative Biology (Series in Computational Biophysics) Knowing and Teaching Elementary Mathematics: Teachers' Understanding of Fundamental Mathematics in China and the United States (Studies in Mathematical Thinking and Learning Series) Structural Analysis: With Applications to Aerospace Structures (Solid Mechanics and Its Applications) Towards Solid-State Quantum Repeaters: Ultrafast, Coherent Optical Control and Spin-Photon Entanglement in Charged InAs Quantum Dots (Springer Theses) Quantum Nanoelectronics: An introduction to electronic nanotechnology and quantum computing 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)

[Dmca](#)