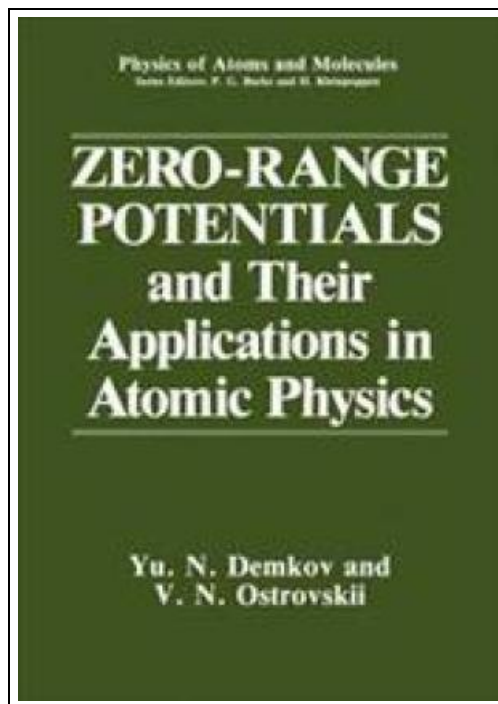


Zero-Range Potentials and Their Applications in Atomic Physics



Filesize: 3.67 MB

Reviews

Absolutely essential go through book. It is actually loaded with knowledge and wisdom You can expect to like the way the blogger compose this pdf.

(Pascale Bernhard)

ZERO-RANGE POTENTIALS AND THEIR APPLICATIONS IN ATOMIC PHYSICS



To download **Zero-Range Potentials and Their Applications in Atomic Physics** PDF, you should follow the button under and download the file or have accessibility to additional information that are in conjunction with ZERO-RANGE POTENTIALS AND THEIR APPLICATIONS IN ATOMIC PHYSICS book.

Springer Mrz 2012, 2012. Taschenbuch. Book Condition: Neu. 254x178x16 mm. This item is printed on demand - Print on Demand Neuware - Inhaltsangabe1 Basic Principles of the Zero-Range Potential Method.- 1.1 Introduction.- 1.2 Formulation of the Method.- 1.3 The One-Center Problem and Its Simple Applications.- 1.4 Separable Potentials and Scattering of Slow Electrons by Atoms.- 2 Trajectories of the Poles of the S-Matrix and Resonance Scattering.- 2.1 Preliminary Remarks.- 2.2 Trajectories of the Zeros of the Jost Function for $\epsilon = 0$.- 2.3 The S-Matrix in a Two-Pole Approximation.- 2.4 The Case of 0 and Perturbation Theory for a Bound State Close to the Continuum.- 2.5 Trajectories of the Poles of the S-Matrix in the Case of ZRP and Separable Potentials.- 3 Zero-Range Potentials for Molecular Systems. Bound States.- 3.1 Many-Center Problems without External Fields.- 3.2 Potential Curves for a Two-Center System and Some Applications.- 3.3 Analytic Properties of the Potential Curves and Trajectories of the Poles of the S-Matrix.- 3.4 Perturbation Theory in the Presence of an External Electric Field.- 3.5 Perturbation Theory in the Presence of an External Magnetic Field.- 3.6 Solution of the Schrödinger Equation with the Help of ZRPs.- 4 Scattering by a System of Zero-Range Potentials and the Partial Wave Method for a Nonspherical Scatterer.- 4.1 The Partial Wave Method.- 4.2 Behavior of the Phases at Low Energy.- 4.3 The Variational Principle.- 4.4 Scattering by a System of ZRPs.- 4.5 ZRPs in the Theory of Multiple Scattering.- 5 Zero-Range Potentials in Multi-Channel Problems.- 5.1 Zero-Range Potentials for a Many-Component Wavefunction.- 5.2 Singlet-Triplet Splitting and Cross Sections for Elastic and Inelastic Scattering.- 5.3 Energy Terms of the $e + H_2$ System and Trajectories of the Poles of the S-Matrix for a Two-Channel Problem.- 5.4 Electron Scattering by Molecules in the Separable Potential Approximation.- 6 Motion of a...



Read Zero-Range Potentials and Their Applications in Atomic Physics Online



Download PDF Zero-Range Potentials and Their Applications in Atomic Physics

See Also



[PDF] **TJ new concept of the Preschool Quality Education Engineering: new happy learning young children (3-5 years old) daily learning book Intermediate (2)(Chinese Edition)**
Click the hyperlink below to read "TJ new concept of the Preschool Quality Education Engineering: new happy learning young children (3-5 years old) daily learning book Intermediate (2)(Chinese Edition)" PDF document.
[Save Document »](#)



[PDF] **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)**
Click the hyperlink below to read "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)" PDF document.
[Save Document »](#)



[PDF] **The Clever Detective Boxed Set (a Fairy Tale Romance): Stories 1, 2 and 3**
Click the hyperlink below to read "The Clever Detective Boxed Set (a Fairy Tale Romance): Stories 1, 2 and 3" PDF document.
[Save Document »](#)



[PDF] **Read Write Inc. Phonics: Purple Set 2 Non-Fiction 3 a Pet Goldfish**
Click the hyperlink below to read "Read Write Inc. Phonics: Purple Set 2 Non-Fiction 3 a Pet Goldfish" PDF document.
[Save Document »](#)



[PDF] **Edge] the collection stacks of children's literature: Chunhyang Qiuyun 1.2 --- Children's Literature 2004(Chinese Edition)**
Click the hyperlink below to read "Edge] the collection stacks of children's literature: Chunhyang Qiuyun 1.2 --- Children's Literature 2004(Chinese Edition)" PDF document.
[Save Document »](#)



[PDF] **Dom's Dragon - Read it Yourself with Ladybird: Level 2**
Click the hyperlink below to read "Dom's Dragon - Read it Yourself with Ladybird: Level 2" PDF document.
[Save Document »](#)