

Quantum Theory Of The Solid State Second Edition



Quantum Theory Of The Solid

Quantum Theory of Solids is a modern presentation of theoretical solid state physics it builds directly on the same author's Introduction to Solid State Physics and is planned as a one year graduate course for experimental and theoretical physicists it is well-suited for self study because the text contains 110 problems.

Quantum Theory of Solids 2E Rev P: Charles Kittel ...

The great merit of this book is that it describes in an honest and detailed way what one really has to do in order to understand the multifarious properties of solids in terms of the fundamental physical theory of quantum mechanics.

Quantum Theory of the Solid State: An Introduction ...

Description. Quantum Theory of the Solid State, Part A, describes the concepts and methods, and introduces some of the central problems of the quantum theory of solids. This work is intended to be a single intellectual unit, although for reasons of convenience it has been divided into two parts.

Quantum Theory of the Solid State | ScienceDirect

Get this from a library! Quantum theory of solids. [Charles Kittel] -- "The object of this textbook is to present the central principles of the quantum theory of solids to theoretical physicists generally and to those experimental solid state physicists who have had a ...

Quantum theory of solids (Book, 1963) [WorldCat.org]

Quantum Theory of the Solid State, Student Edition, describes the concepts and methods, and introduces some of the central problems of the quantum theory of solids. It should be suitable as a textbook for students who have completed a one-year course in quantum mechanics and have some familiarity with the experimental facts of solid state physics.

Quantum Theory of the Solid State - 1st Edition

A modern presentation of theoretical solid state physics that builds directly upon Kittel's Introduction to Solid State Physics. Treats phonon, electron, and magnon fields, culminating in the BCS theory of superconductivity. Considers Fermi surfaces and electron wave functions and develops the group theoretical description of Brillouin zones.

Quantum Theory of Solids, 2nd Revised Edition | Condensed ...

This book develops the quantum theory of solids from the basic principles of quantum mechanics. The emphasis is on a single statement of the ideas underlying the various approximations that have to be used in the study of this subject. Care is taken to separate sound arguments from conjecture.

Quantum Theory of Solids - Oxford Scholarship

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Quantum Theory of Solids presents a concisely-structured tour of the theory relating to chemical bonding and its application to the three most significant topics in solid state physics: semiconductors, magnetism, and superconductivity--topics that have seen major advances in recent years.

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