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Introduction to Solid State Physics - Wikipedia

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Charles Kittel New edition of the most widely-used textbook on solid state physics in the world. Describes how the excitations and imperfections of actual solids can be understood with simple models that have firmly established scope and power. The foundation of this book is based on experiment, application and theory.

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Perfect pedagogical introduction to Solid State Physics. An icon used to represent a menu that can be toggled by interacting with this icon.

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Introduction to Solid State Physics: Kittel, Charles ...

Certainly for an undergraduate course, Charles Kittel's Introduction to Solid State Physics (Wiley, 1953), whose eighth edition was published in 2005, comes immediately to mind. The many tables presented in the book were an indispensable resource to me, at least before the advent of Google.

Introduction to Solid State Physics, 8th Edition | Wiley

Statistical Physics 1, Quantum Mechanics 2 (in particular: Quantum Statistics: Fermi-Dirac and Bose-Einstein statistics, the free-electron gas) Description. This course provides an introduction to Solid State Physics: the physics of matter in the solid state. In this course, you will learn to understand the material world around you.

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(PDF) Introduction to Solid State Physics, 8th Edition ...

Solid-state physics is the study of rigid matter, or solids, through methods such as quantum mechanics, crystallography, electromagnetism, and metallurgy. It is the largest branch of condensed matter physics. Solid-state physics studies how the large-scale properties of solid materials result from their atomic -scale properties.

Solid-state physics - Wikipedia

The text itself is an excellent introduction to solid state physics and rates 5 stars. The paper is cheap and not glossy. It is distracting to be able to see the text and figures from the opposite side of the page. Some of the pages have dark black smudges or discoloration from the printing process. Some pages have small tears.

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Introduction To Solid State Physics

Introduction to Solid State Physics, in its Second Edition, provides a comprehensive introduction to the physical properties of crystalline solids. It explains the structure of crystals, theory of...