



Quantum Solid-State Physics

By Vonsovsky, Serghey V. / Katsnelson, Mikhail I.

Book Condition: New. Publisher/Verlag: Springer, Berlin | This book treats the major problems of the quantum physics of solids, ranging from fundamental concepts to topical issues. Rather than use a deductive method of exposition, the authors consider and analyze simple empirically established properties of solids and employ more complicated models only as the need arises. Detailed treatment is given of classical problems such as chemical bonding in crystals, the one-dimensional Schrödinger equation with a periodic potential, the metal-insulator criterion, and the quantum theory of band electron motion in external fields. Consideration is also given to topical problems such as neutron scattering by the crystal lattice, plasma and Fermi liquid effects, the theory of disordered systems, and the polaron. The reader is expected to know only the fundamentals of quantum mechanics and statistical physics. Compared with the Russian edition (Nauka, Moscow 1983), the book has been substantially revised and enlarged, new sections have been written and recent results have been incorporated. | 1. Introduction. General Properties of the Solid State of Matter.- 1.1 General Thermodynamic Description of the Solid State.- 1.2 Crystal Structure of Solids.- 1.3 Reciprocal Lattice.- 1.4 Examples of Simple Crystal Structures.- 1.5 Experimental Techniques for Determining the Periodic...



READ ONLINE
[3.2 MB]

Reviews

The book is fantastic and great. I have got read through and i am confident that i will planning to read yet again once again in the foreseeable future. I found out this book from my dad and i recommended this publication to discover.

-- **Prof. Nicole Zieme**

Good electronic book and valuable one. It generally is not going to charge an excessive amount of. Its been developed in an remarkably straightforward way and is particularly simply following i finished reading this ebook through which really transformed me, change the way i think.

-- **Mr. Domenic Eichmann**

Related Kindle Books



The Mystery of God s Evidence They Don t Want You to Know of (Paperback)

Createspace, United States, 2012. Paperback. Book Condition: New. 276 x 214 mm. Language: English . Brand New Book ***** Print on Demand *****.Save children s lives learn the discovery of God Can we discover God? What does science prove?Why we were never...



Sarah's New World: The Mayflower Adventure 1620 (Sisters in Time Series 1)

Barbour Publishing, Inc., 2004. Paperback. Book Condition: New. No Jacket. New paperback book copy of Sarah's New World: The Mayflower Adventure 1620 by Colleen L. Reece. Sisters in Time Series book 1. Christian stories for girls. Sisters in Time Series. Age 8-12,...



Do Monsters Wear Undies Coloring Book: A Rhyming Children s Coloring Book (Paperback)

Createspace Independent Publishing Platform, United States, 2015. Paperback. Book Condition: New. Mark Smith (illustrator). 279 x 216 mm. Language: English . Brand New Book ***** Print on Demand *****.A #1 Best Selling Children s Book Is Now A Coloring Book! Parents and...



The Stories Julian Tells A Stepping Stone Book™

Random House Books for Young Readers. Paperback. Book Condition: New. Ann Strugnell (illustrator). Paperback. 80 pages. Dimensions: 7.6in. x 5.0in. x 0.4in..Julian is a quick fibber and a wishful thinker. And he is great at telling stories. He can make people especially his...



The Tale of Jemima Puddle-Duck - Read it Yourself with Ladybird: Level 2

Penguin Books Ltd. Paperback. Book Condition: new. BRAND NEW, The Tale of Jemima Puddle-Duck - Read it Yourself with Ladybird: Level 2, This is a gentle adaptation of the classic tale by Beatrix Potter. Jemima Puddle-Duck wants to lay and hatch her...



Dom's Dragon - Read it Yourself with Ladybird: Level 2

Penguin Books Ltd. Paperback. Book Condition: new. BRAND NEW, Dom's Dragon - Read it Yourself with Ladybird: Level 2, Mandy Ross, One day, Dom finds a little red egg and soon he is the owner of a friendly dragon called Glow! But...