



## Solid State Physics (Theoretical Physics album) Department of Physics Series

By HUANG KUN

paperback. Book Condition: New. Ship out in 2 business day, And Fast shipping, Free Tracking number will be provided after the shipment.Pages Number: 270 Publisher: Peking University Pub. Date: 2009-09-01 version 1. Contents: Introduction Chapter I Overview of Solid State Physics crystal lattice and the periodic geometry 1-1 to 1-2 crystal. crystal surface and their macro-sign symmetry and 1-3 crystals 1-4 lattice point group symmetry of 1-5X-ray diffraction and electron diffraction 1-6 neutron diffraction crystal with Chapter 2-1 of the basic crystal 2-2 combination in the form of negatively charged atoms elements and compounds 2-3 with the regularity of the crystal binding energy of 2-4 with Figure 3-1 Chapter 3-2 solid phase coexistence of two quasi-static equilibrium phase transition 3-3 three coexistence equilibrium eutectic and peritectic phase transformation process instances 3-4 3-5 solid solution of mixed finite entropy and free energy of 3-6 and 3-7 continuous solid solution and eutectic melting temperature phase diagram of the crystal in the fourth chapter defects and diffusion 4-1 4-2 polycrystalline and grain boundary dislocations 4-3 vacancies. interstitial atoms and the movement spread and atomic statistical equilibrium 4-4 4-5 Brownian motion of point defects in ionic crystals and ionic Chapter conductive crystal lattice vibrations...



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