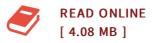




High-Tc Superconductors and Related Materials: Materials Science, Fundamental Properties, and Some Future Electronic Applications (NATO Science Partnership Sub-Series: 3:)

By -

Springer. Hardcover. Book Condition: New. This item is printed on demand. Hardcover. 568 pages. A broad introduction to high Tc superconductors, their parent compounds and related novel materials, covering both fundamental questions of modern solid state physics (such as correlation effects, fluctuations, unconventional symmetry of superconducting order parameter) and applied problems related to short coherence length, grain boundaries and thin films. The information that can be derived from electron spectroscopy and optical measurements is illustrated and explained in detail. Descriptions widely employ the clear, relatively simple, phenomenological Ginzburg-Landau model of complex phenomena, such as vortex physics, vortex charge determination, plasmons in superconductors, Cooper pair mass, and wetting of surfaces. The first comprehensive reviews of several novel classes of materials are presented, including borocarbides and chain cuprates. This item ships from La Vergne, TN. Hardcover.



Reviews

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