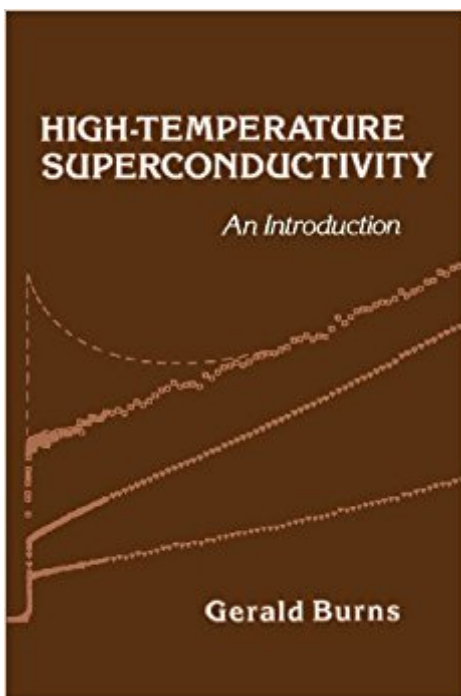


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High-Temperature Superconductivity: An Introduction



Synopsis

Here is a concise, tutorial overview of the exciting new field of high-temperature superconductivity. This authoritative textbook focuses on topics, experimental results, and theoretical issues that are likely to have lasting value and are readily understandable to upper-level undergraduates and others new to the field. Written primarily from an experimental point of view, the book reviews conventional superconductors and then presents the structure, normal state and superconducting properties, and applications of the new cuprate superconductors. An insightful analysis of critical currents in thin films and wires is included. The book will provide an excellent supplementary text for students taking their first solid state physics course. In addition, all those with a basic knowledge of solid state physics will find the book to be a useful introduction to the field. Serves as a concise, tutorial introduction to the field. Requires very little solid state physics background. Includes problem sets and references to key papers.

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