
Superconducting energy storage generator

In this work we review the recent advances on superconducting phenomena in junctions formed by superconductors and unconventional magnets (UM). Conventional ...

Chapter 1 provides a general introduction and historical perspective on the phenomenon of superconductivity, and to the so-called low- T_c materials.

This marks the inaugural demonstration of a superconducting in-memory computing architecture through memristor coupling, offering a promising hardware platform for ...

4. Superconducting temperature and search for room-temperature superconductivity 4.1. Upper limit to T_c We now discuss the implications of the upper bound of ...

Superconducting thin films with high kinetic inductance are key to produce high-impedance circuits with low losses, a very relevant feature required in high-coherence ...

Superconducting flux memory devices fabricated with nanoscale junctions and high-inductance materials can maintain high-speed access performance while significantly ...

For such a highly homogeneous field superconducting magnet design, an appropriate optimization strategy is essential to guarantee the magnetic field homogeneity in ...

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