

ESPC 2006 - Saguenay (Québec)



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Superconductors: Resistance is Futile!

Division: Internationale

Catégorie: Intermédiaire

Région: Annapolis Valley

Ville: Kingston, NS

École: École Rose-des-Vents

Sommaire: The effect of temperature on electrical resistance was tested. Electrical resistance was found to decrease with temperature in a linear fashion and become zero at a superconducting critical temperature. Electrical resistance is a result of atomic lattice vibrations and a material's resistivity is related to its number of free electrons.