

Crystal-field effect in ErCu_2

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Abstract: The crystal-field contribution to the specific heat of the ErCu_2 compound has been calculated using two lowest-order crystal-field parameters derived by Hashimoto et al. and a set of crystal-field parameters determined by Gubbens et al. The calculated results are compared with the experimental ones. ?? 1995.

Index Keywords: Calculations; Crystals; Electric field effects; Electron energy levels; Intermetallics; Magnetic materials; Magnetic permeability; Magnetic variables measurement; Magnetization; Specific heat; Thermal expansion; Crystal field effects; Crystal field parameters; Crystalline electric field; Inelastic neutron scattering; Orthorhombic structure; Erbium compounds

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