TEMPERATURE DEPENDENCE OF THE INTERNAL ENERGY FOR ISING MODEL ±J ON THE TUBE

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A method of linear equations has been applied for determination of the temperature dependence of internal energy. The method permits a reduction of a physical problem of determination of the temperature dependence of internal energy for systems with frozen disorder to a mathematical question of solving a set of linear equations. The Ising model with exchange integrals $\pm J$ on a square lattice spanned over a tube of infinite length and the width of 2 bonds is considered.

9.7 cm

13.4 cm

Subject category :

5. Phase Transitions and Critical Phenomena

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