THE GROUND STATE FOR THE ISING MODEL ±J ON THE TUBE

Marian Błaszyk

Institute of Physics, A. Mickiewicz University, Poznań, Poland

The Ising model with exchange integrals $\pm J$ for a square lattice spanned over infinite length tubes of the width of 2, 3 or 4 bonds is considered. The paper gives a short description of a method of linear equations allowing a reduction of a physical problem of determination of e.g. energy, entropy, magnetisation for systems with frozen disorder, to a solution of a system of linear equations. The results for energy, entropy and magnetisation possible for a short presentation are given.

9.7 cm

13.4 cm

Subject category :

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Corresponding author :

M. Błaszyk

Address for correspondence :

Institute of Physics, A. Mickiewicz University, Poznań, ul. Umultowska 85, Poland

Email address :

blaszyk@main.amu.edu.pl