EXTENSION OF THE METHOD OF LINEAR EQUATIONS BY NONZERO TEMPERATURES ON THE EXAMPLE OF ONE-DIMENSIONAL ISING MODELS

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The method of linear equations has been applied to nonzero temperatures. Two models have been considered. The first is the disordered model of random ferromagnetic and antiferromagnetic integrals whose transition matrix meets the condition of invariance of the sum of terms in each line. Although the other model (one-dimensional Ising model in an external field) is devoid of disorder it does not require any assumptions on the form of the transition matrix.

9.7 cm

13.4 cm

Subject category :

6. Theory of Magnetism

Presentation mode :

poster

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