

Abstract Submitted
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Magnetization of the One-Dimensional Antiferromagnetic Ising Model on a Two-sublattice Maximally Even Lattice in the Mean Field Approximation RICHARD KRANTZ, Metropolitan State College of Denver —

An antiferromagnetic Ising model on a Maximally Even lattice has been developed. The magnetization per spin versus temperature for various applied magnetic fields has been calculated. The magnetization shows the competition between the aligning effects of the applied magnetic field and the anti-aligning effect of the near-neighbor antiferromagnetic interaction.

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