

Future Contributions to *Journal of Statistical Physics*

ARTICLES

Bethe's Equation is Incomplete for the XYZ Model at Roots of Unity

Klaus Fabricius and Barry M. McCoy

The K-SAT Problem in a Simple Limit

Luca Leuzzi and Giorgio Parisi

The Phase Diagram of a Spin Glass Model

J. R. Wedagedera and T. C. Dorlas

Surface Tension of a Metal-Electrolyte Boundary: Exactly Solvable Model

L. Šamaj and B. Jancovici

Surface Tension of an Ideal Dielectric-Electrolyte Boundary: Exactly Solvable Model

L. Šamaj

Sine-Gordon Theory for the Equation of State of Classical Hard-Core Coulomb Systems. I. Low Fugacity Expansion

Jean-Michel Caillol and Jean-Luc Raimbault

Sine-Gordon Theory for the Equation of State of Classical Hard-Core Coulomb Systems. II. High-Temperature Expansion

Jean-Michel Caillol and Jean-Luc Raimbault

Directed Percolation with Colors and Flavors

Hans-Karl Janssen

Existence of a Phase Transition in a Continuous Quantum System

Marzio Cassandro and Pierre Picco

On the Distribution and Gap Structure of Lee–Yang Zeros for the Ising Model: Periodic and Aperiodic Couplings

João C. A. Barata and Pedro S. Goldbaum

Consistency of Microcanonical and Canonical Finite-Size Scaling

M. Kastner and M. Promberger

Eigenvalue Distribution in the Self-Dual Non-Hermitian Ensemble

M. B. Hastings

A Survey of One-Dimensional Random Polymers

Remco van der Hofstad and Wolfgang König

A Cellular Automaton Model for Two-Lane Traffic

V. Belitsky, J. Krug, E. Jordão, and G. M. Schütz

Dynamics of Finger Formation in Laplacian Growth without Surface Tension

Mitchell J. Feigenbaum, Itamar Procaccia, and Benny Davidovich

Regularization of the Burnett Equations via Relaxation

Shi Jin and Marshall Slemrod

Nonlinear Couette Flow in a Low Density Granular Gas

M. Tij, E. E. Tahiri, J. M. Montanero, V. Garzó, A. Santos, and J. W. Dufty

A Variational Approach to the Schrödinger–Poisson System: Asymptotic Behaviour, Breathers and Stability

Enrique Ruíz Arriola and Juan Soler

The Vlasov–Poisson System with Infinite Mass and Energy

Pierre-Emmanuel Jabin

Irreversibility in a Reversible Lattice Gas

James E. Broadwell

SHORT COMMUNICATIONS

Erratum on “On Some Properties of Kinetic and Hydrodynamic Equations for Inelastic Interactions”

A. V. Bobylev, J. A. Carrillo, and I. M. Gamba

Quantum Phase Transitions

S. Sachdev

DEPARTMENTS

Book Review: *A Guide to Monte Carlo Simulations in Statistical Physics*

D. P. Landau and K. Binder

Program of the 84th Statistical Mechanics Meeting Department of Mathematics