

## **Future Contributions to *Journal of Statistical Physics***

### *ARTICLES*

Dynamic Critical Behavior of the Swendsen–Wang Algorithm: The Two-Dimensional Three-State Potts Model Revisited

*Jesús Salas and Alan D. Sokal*

Phase Segregation Dynamics in Particle Systems with Long-Range Interactions. I. Macroscopic Limits

*Giambattista Giacomin and Joel L. Lebowitz*

Stochastic Ising Models and Anisotropic Front Propagation

*M. A. Katsoulakis and P. E. Souganidis*

Enskog-Like Kinetic Models for Vehicular Traffic

*A. Klar and R. Wegener*

Analytic Solutions of Simple Flows and Analysis of Nonslip Boundary Conditions for the Lattice Boltzmann BGK Model

*Xiaoyi He, Qisu Zou, Li-Shi Luo, and Micah Dembo*

Irregular Scattering of Particles Confined to Ring-Bounded Cavities

*Mohammed Lach-hab, Estela Blaisten-Barojas, and T. Sauer*

Scaling of Particle Trajectories on a Lattice

*Meng-She Cao and E. G. D. Cohen*

Oscillating Singularities on Cantor Sets: A Grand-Canonical Multifractal Formalism

*A. Arneodo, E. Bacry, S. Jaffard, and J. F. Muzy*

Invariant Manifolds Associated to Nonresonant Spectral Subspaces

*Rafael de la Llava*

Enhancement of Signal-to-Noise Ratio

*Asish K. Dhara*

Dimensional Crossover in the Large- $N$  Limit

*Denjoe O'Connor, C. R. Stephens, and A. J. Bray*

Relaxed Criteria of the Dobrushin–Shlosman Mixing Condition

*Nobuo Yoshida*

The Low-Temperature Phase of Kac–Ising Models

*Anton Bovier and Miloš Zahradník*

On the Free Energy of the Hopfield Model

*G. R. Guerberoff and G. A. Raggio*

The Oscillatory Behavior of the High-Temperature Expansion of Dyson's Hierarchical Model: A Renormalization Group Analysis

*Y. Meurice, S. Niermann, and G. Ordaz*

Growth, Percolation, and Correlations in Disordered Fiber Networks

*N. Provatas, M. Haastaja, E. Seppälä, S. Majaniemi, J. Åström, M. Alava, and T. Ala-Nissila*

The Exact Solution of an Octagonal Rectangle–Triangle Random Tiling

*J. de Gier and B. Nienhuis*

#### SHORT COMMUNICATIONS

On the Number of Infinite Geodesics and Ground States in Disordered Systems

*Jan Wehr*

On Localization of Vorticity in Lorentz Gases

*L. A. Bunimovich*

#### DEPARTMENTS

Book Review: *Statistical Mechanics and Stability of Macromolecules*

*Rudi Podgornik*

Book Review: *An Introduction to Statistical Thermodynamics*

*Josep M. Porra*

Book Review: *Time's Arrow and Archimedes' Point*

*Joel L. Lebowitz*

Program of the Hyperbolic Dynamics and Applications to Nonequilibrium Statistical Mechanics Meeting