

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

### **ARTICLES**

- A Convergence Proof for Bird's Direct Simulation Monte Carlo Method for the Boltzmann Equation  
*Wolfgang Wagner*
- On the Spectrum of the Linear Boltzmann Operator  
*Russell K. Standish*
- Evaluation and Comparison of Critical Lines for Various Models of Gas-Liquid Binary Systems  
*Mustafa Keskin, Mustafa Gencaslan, and Paul H. E. Meijer*
- On the Multifractal Analysis of Measures  
*G. Brown, G. Michon, and J. Peyrière*
- Phase Transitions in Thermodynamics of a Local Lyapunov Exponent for Fully-Developed Chaotic Systems  
*H. Shigematsu*
- Exact Solutions of the Boltzmann Equation in the VHP Model Removal Interaction  
*F. Schürrer and M. Schaler*
- A Note on Differentiability of the Cluster Density for Independent Percolation in High Dimensions  
*Wei-Shih Yang and Yu Zhang*
- A Mean-Field Limit for a Class of Queueing Networks  
*F. Baccelli, F. I. Karpelevich, M. Ya. Kelbert, A. A. Puhalskii, A. N. Rybko, and Yu. M. Suhov*
- Distribution of Cyclic Species in Network Formation: Microscopic Theory of Branching Processes  
*Kazumi Suematsu and Toshihiko Okamoto*
- Critical Exponents of Random Ising-Like Systems in General Dimensions  
*Yu. Holovatch and M. Shpot*
- Instantons in Spherical Model Thermodynamics  
*S. B. Rutkevich*
- Dynamical System Related to Quasiperiodic Schrödinger Equations in One Dimension  
*Mahito Kohmoto*
- Computing the Topological Entropy of Maps of the Interval with Three Monotone Pieces  
*Louis Block and James Keesling*

Ground States of VBS Models on Cayley Trees

*M. Fannes, B. Nachtergaele, and R. F. Werner*

Quasipotentials for Simple Noisy Maps with Complicated Dynamics

*Andreas Hamm and Robert Graham*

Universality Class of Interface Growth with Reflections Symmetry

*F. Devillard and H. Spohn*

Global Existence Proof for Relativistic Boltzmann Equation

*Marek Dudyński and Maria L. Ekiel-Jeżewska*

Dynamics of Mean-Field Spin Models from Basic Results in Abstract Differential Equations

*F. Bagarello and G. Morchio*

Effective-Field Theory of Spin Glasses and the Coherent-Anomaly Method. II. Double-Cluster Approximation

*Naomichi Hatano and Masuo Suzuki*

How Should One Define a (Weak) Crystal?

*A. C. D. van Enter and Jacek Miękisz*

Ground States of the Spinless Falicov–Kimball Model. II

*C. Gruber, J. Jedrzejewski, and F. Lemberger*

Velocity Spectrum for Non-Markovian Brownian Motion in a Periodic Potential

*A. Igarashi, P. V. E. McClintock, and N. G. Stocks*

Overcoming Artificial Spatial Correlations in Simulations of Superstructure Domain Growth with Parallel Monte Carlo Algorithms

*W. Schleier, G. Besold, and K. Heinz*

Microcanonical Variational Transition-State Theory for Reaction Rates in Dissipative Systems

*Susan C. Tucker and Eli Pollak*

Microscopic-Based Fluid Flow Invasion Simulations

*W. G. Wilson and W. G. Laidlaw*

Phase Separation Dynamics in Driven Diffusive Systems

*C. Yeung, T. Rogers, A. Hernandez-Machado, and David Jasnow*

#### SHORT COMMUNICATIONS

New Renormalization Procedure for Eliminating Redundant Operators

*Yu. M. Ivanchenko, A. A. Lisysky, and A. A. Filippov*

A Stochastic Method to Determine the Shape of a Drop on a Wall

*S. S. Manna, H. J. Herrmann, and D. P. Landau*

An Efficient Hydrodynamic Cellular Automata for Simulating Fluids with Large Viscosities

*G. A. Kohring*

#### DEPARTMENTS

Book Review: *Chaotic Behaviour of Deterministic Dissipative Systems*

*Jaume Masoliver*