

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

### **ARTICLES**

Bilinear Quantum Monte Carlo: Expectations and Energy Differences

*Shiwei Zhang and M. H. Kalos*

Corner Transfer Matrices of the Chiral Potts Model. II. The Triangular Lattice

*R. J. Baxter*

$O(N)$  Vector Model with Twisted Boundary Conditions

*E. Brézin, E. Korutcheva, Th. Jolicœur, and J. Zinn-Justin*

The Tortuosity of Occupied Crossings of a Box in Critical Percolation

*Harry Kesten and Yu Zhang*

Finite-Size Scaling for Mean-Field Percolation

*B. Gaveau and L. S. Schulman*

Singularity Spectrum of Fractal Signals from Wavelet Analysis: Exact Results

*E. Bacry, J. F. Muzy, and A. Arnéodo*

Incommensurate Structure in the Lattice-Gas Annini Model

*Iva Karasová and Anton Šurda*

New Formulation of Restricted Growth Processes

*Sergei E. Esipov and T. J. Newman*

Crossover and Finite-Size Effects in the (1 + 1)-Dimensional Kardar-Parisi-Zhang Equation

*Bruce M. Forrest and Raúl Toral*

Time Evolution of the Probability Distribution in Stochastic and Chaotic Systems with Enhanced Diffusion

*Rosario Nunzio Mantegna*

A Maximum Entropy Mean Field Method for Driven Diffusive Systems

*N. C. Pesheva, Yitzhak Shnidman, and R. K. P. Zia*

A Random Discrete Velocity Model and Approximation of the Boltzmann Equation

*Reinhard Illner and Wolfgang Wagner*

Diffusion in Lorentz Lattice Gas Automata with Backscattering

*H. van Beijeren and M. H. Ernst*

Stress-Stress Correlation Functions in Lattice Gases Beyond Boltzmann's Approximation

*G. A. van Velzen, R. Brito, and M. H. Ernst*

Negative-Temperature States and Large-Scale, Long-Lived Vortices in Two-Dimensional Turbulence

*G. L. Eyink and H. Spohn*

Response Function of the Second Kind in Many-Body Systems

*Xiao-Yue Gu, G. Kalman, and Z. C. Tao*

Weak Disorder Expansion of Lyapunov Exponents of Products of Random Matrices:  
A Degenerate Theory

*P. Markoš*

Glassy Synchronization in a Population of Coupled Oscillators

*L. L. Bonilla, C. J. Pérez Vicente, and J. M. Rubí*

Resonant Response of a Thermalized Ensemble of Nonlinear Oscillators

*A. Gerasimov*

The Computational Complexity of Pattern Formation

*Jonathan Machta*

The Entropy Profile—A Function Describing Statistical Dependences

*Christoph Bandt and Bernd Pompe*

On the Gibbs States for One-Dimensional Lattice Boson Systems with a Long-Range Interaction

*E. Olivieri, P. Picco, and Yu. M. Suhov*

#### *SHORT COMMUNICATIONS*

Location of the Collapsed Phase for Two-Dimensional, Directed, Interacting Polymers

*Damien P. Foster*

Probabilistic Bootstrap Percolation

*N. S. Branco*

Stochastic Equations of the Langevin Type under a Weakly Dependent Perturbation

*Roman V. Bobryk*

The Decrease in the Overall Algorithmic Complexity of the Spin-Echo Effect

*Kousuke Shizume*

Fast Vectorized Algorithm for the Monte Carlo Simulation of the Random Field Ising Model

*H. Rieger*

Vectorized Search for Single Clusters

*Hans Gerd Evertz*

#### *DEPARTMENTS*

Book Review: *Maximum Entropy in Action: A Collection of Expository Essays*

*George H. Weiss*