

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

### *ARTICLES*

On the Large-Coupling-Constant Behavior of the Liapunov Exponent in a Binary Alloy

*F. Martinelli and L. Micheli*

Mayer Expansions and the Hamilton–Jacobi Equation

*D. C. Brydges and T. Kennedy*

Spin Interaction with an Ideal Fermi Gas

*V. V. Aizenstadt and V. A. Malyshev*

Analytical Properties of the Anisotropic Cubic Ising Model

*D. Hansel, J. M. Maillard, J. Oitmaa, and M. J. Velgakis*

Localization: The Effect of a Weak Magnetic Field

*A. Houghton, A. J. McKane, and Hilda A. Cerdeira*

*D*-Dimensional Ideal Gas in Parastatistics: Thermodynamic Properties

*M. C. de Sousa Vieira and C. Tsallis*

Two-Dimensional Monomer-Dimer Systems are Computationally Intractable

*Mark Jerrum*

A New Random Number Generator for Multispin Monte Carlo Algorithms

*L. Pierre, T. Giamarchi, and H. J. Schultz*

Homoclinic Orbits and Mixed-Mode Oscillations in Far-from-Equilibrium Systems

*P. Gaspard and X.-J. Wang*

Generalized Brownian Motion and Elasticity

*Stephane Roux*

Melting of Microinclusions Close Packed in an Elastic Matrix

*Eugene V. Kholopov*

Discrete Dynamics and Metastability: Mean First Passage Times and Escape Rates

*P. Talkner, P. Hanggi, E. Freidkin, and D. Trautmann*

Distribution Functions for Random Walk Processes on Networks: An Analytic Method

*S. H. Noskowitz and I. Goldhirsch*

Anomalous Fluctuations in Random Walk Dynamics

*I. Goldhirsch and S. H. Noskowitz*

Discrete Fluctuations and Their Influence on Kinetics of Reactions

*Daniel Ben-Avraham*

The Adiabatic Thermal Explosion in a Small System: Comparison of the Stochastic Approach with the Molecular Dynamics Simulation

*J. Gorecki and J. Gryko*

Statistical Mechanics of Eigen's Evolution Model

*Ira Leuthausser*

#### DEPARTMENTS

Book Review: *Statistical Optics*

*Bruce West*