

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

### *ARTICLES*

Discontinuity of the Magnetization in One-Dimensional  $1/|x - y|^2$  Ising and Potts Models

*M. Aizenman, J. T. Chayes, L. Chayes, and C. M. Newman*

Blume–Emery–Griffiths Model on the Honeycomb Lattice

*X. N. Wu and F. Y. Wu*

Decorated Star–Triangle Relations and Exact Integrability of the One-Dimensional Hubbard Model

*B. Sriram Shastry*

Restoration of Universality for the Rod-to-Coil Transition Scaling in the Infinite-Dimensionality Limit: Exact Results for Directed Walks

*V. Privman and N. M. Svrakic*

Loop-Erased Self-Avoiding Random Walk in Two and Three Dimensions

*Gregory F. Lawler*

The Pivot Algorithm: A Highly Efficient Monte Carlo Method for the Self-Avoiding Walk

*Neal Madras and Alan D. Sokal*

A Quantitative Analysis of the Simulated Annealing Algorithm: A Case Study for the Traveling Salesman Problem

*Emile H. L. Aarts, Jan H. M. Korst, and Peter J. M. van Laarhoven*

Phase Diagram of a One-Dimensional Model with Nonconvex Interactions, Using the Method of Effective Potentials

*Weiren Chou*

A Matrix Method for Estimating the Liapunov Exponent of One-Dimensional Systems

*Abraham Boyarsky*

Nonlinear Neural Networks. I. General Theory

*J. L. van Hemmen, D. Greising, A. Huber, and R. Kuhn*

Nonlinear Neural Networks. II. Information Processing

*J. L. van Hemmen, D. Greising, A. Huber, and R. Kuhn*

Scaling Solutions of Smoluchowski's Coagulation Equation

*P. G. J. van Dongen and M. H. Ernst*

On the Relaxation Time of Gauss's Continued-Fraction Map. II. The Banach Space Approach (Transfer Operator Method)

*D. Mayer and G. Roepstorff*

Noise and Bifurcations

*C. Meunier and A. D. Verga*

Some First Passage Time Problems for Shot Noise Processes

*Jaume Masoliver and George H. Weiss*

Non-Markovian Quantal Brownian Motion Model

*H. M. Cataldo and E. S. Hernandez*

Interfacial Properties of a Driven Diffusive System

*Kwan-tai Leung*

A Thermochemical Instability. II. Inhomogeneous Fluctuations

*E. Tirapegui and C. van den Broeck*

#### SHORT COMMUNICATIONS

Note on Eigenvectors of a Renormalization Transformation

*L. Schimmele and M. Fahnle*

Initiation of Damage in the Kauffman Model

*Martin Corsten and Peter Poole*

#### DEPARTMENTS

Book Review: Studies in Network Thermodynamics

*L. E. Reichl*

Book Review: Simple Models of Equilibrium and Nonequilibrium Phenomena

*I. Oppenheim*

Errata: Exclusion Process and Driplet Shape

*J. P. Marchand and Ph. A. Martin*