

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

### *ARTICLES*

Renormalization Group Analysis of the Global Properties of a Strange Attractor

*Leo P. Kadanoff*

A Biologically Constrained Learning Mechanism in Networks of Formal Neurons

*L. Personnaz, I. Guyon, G. Dreyfus, and G. Toulouse*

Polynomially Decaying Transmission for the Nonlinear Schrödinger Equation in a Random Medium

*Pierre Devillard and Bernard Souillard*

Nonequilibrium Phase Transitions in Stochastic Lattice Systems: Influence of the Hopping Rates

*J. L. Valles and J. Marro*

Exact Results for Deterministic Cellular Automata with Additive Rules

*Pu-hua Guan and Yu He*

T-Points: A Codimension Two-Heteroclinic Bifurcation

*Paul Glendinning and Colin Sparrow*

Periodic and Aperiodic Regimes in Coupled Dissipative Chemical Oscillators

*Igor Schreiber, Martin Holodnick, Milan Kubicek, and Milos Marek*

Stochastic Effects on the Isothermal Explosion Arising in the Oxidation of Iron (II) by Nitric Acid

*F. Mauricio and S. Velasco*

Diffusion with Random Traps: Transient One-Dimensional Kinetics in a Linear Potential

*Noam Agmon*

Escape Times in Interacting Biased Random Walks

*Mustansir Barma and Ramakrishna Ramaswamy*

One-Dimensional Harmonic Lattice Caricatures of Hydrodynamics

*R. L. Dobrushin, A. Pellegrinotti, Yu. M. Suhov, and L. Triolo*

Brownian Local Time and Quantum Mechanics

*Philippe Ruelle*

An Exactly Solved Model with a Wetting Transition

*B. D. Abraham and E. R. Smith*

The Two-Dimensional ANNNI Model in the CVM Approximation

*Alphonse Finel and Didier de Fontaine*

The Uniaxial Brickwork Model, Exact Results, and CVM Approximation

*Alphonse Finel and D. de Fontaine*

Migdal-Kadanoff Renormalization Group for the  $O(n)$  Model

*Thomas A. Larsson*

Extremality and the Global Markov Property II: The Global Markov  
Property for Non-FKG Maximal Gibbs Measures

*Boguslaw Zegarliński*

Correlations in Classical Ground States

*Charles Radin*

#### DEPARTMENTS

Book Review: Ergodic Theorems

*Pierre Collet*

Book Review: The Wonderful World of Stochastics: A Tribute to Elliott

W. Montroll

*Irwin Oppenheim*

Program of the 54th Statistical Mechanics Meeting