

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

### *ARTICLES*

Multifractal Statistics of Mesoscopic Systems

*A. Bershadskii*

The Stochastic Traveling Salesman Problem: Finite-Size Scaling and the Cavity Prediction

*Allon G. Percus and Olivier C. Martin*

Dissipation Statistics of a Passive Scalar in a Multidimensional Smooth Flow

*Andrea Gamba and Igor V. Kolokolov*

Boundary Conditions for Scalar Conservation Laws from a Kinetic Point of View

*A. Nouri, A. Omrane, and J. P. Vila*

A Self-Consistent Ornstein–Zernike Approximation for the Random Field Ising Model

*E. Kierlik, M. L. Rosinberg, and G. Tarjus*

Neural Networks in Which Synaptic Patterns Fluctuate with Time

*J. Marro, J. J. Torres, and P. L. Garrido*

On the Specific Heat of Fermi–Pasta–Ulam Systems and Their Glassy Behavior

*Andrea Carati and Luigi Galgani*

Exponentially Long Equilibrium Times in a One-Dimensional Collisional Model of Classical Gas

*Giancarlo Benettin, Poul Hjorth, and Paolo Sempio*

Hydrodynamics for Quasi-Free Quantum Systems

*Christian Maes and Wolfgang Spitzer*

Interacting Quantum and Classical Continuous Systems I. The Piecewise Deterministic Dynamics

*Ph. Blanchard and R. Olkiewicz*

Interacting Quantum and Classical Continuous Systems II. Asymptotic Behavior of the Quantum Subsystem

*Ph. Blanchard and R. Olkiewicz*

Liquid–Vapor Phase Transitions for Systems with Finite-Range Interactions

*J. L. Lebowitz, A. Mazel, and E. Presutti*

### SHORT COMMUNICATIONS

The Distribution of the First Return Time for Rational Maps

*Nicolai Haydn*

Decay of the Two-Point Function in One-Dimensional  $O(N)$  Spin Models with Long-Range Interactions

*Herbert Spohn and Wilhelm Zwerger*

Symmetry Relations for the Six-Vertex Model

*Greg I. Watson*

### DEPARTMENTS

Book Review: *Modern Thermodynamics: From Heat Engines to Dissipative Structures*

*Irwin Oppenheim*

Book Review: *Statistical Physics of Fracture and Breakdown in Disordered Systems*

*Muhammad Sahimi*

Program of the Fifth Statistical Physics Days