

Future Contributions to *Journal of Statistical Physics*

ARTICLES

Replica Symmetry Breaking in Short-Range Spin Glasses: Theoretical Foundations and Numerical Evidences

Enzo Marinari, Giorgio Parisi, Federico Ricci-Tersenghi, Juan J. Ruiz-Lorenzo, and Francesco Zuliani

Discrete Symmetry Breaking for Certain Short-Range Interactions

M. Fukuyama

Distribution of Energies for the Two-Dimensional Ising Model

Jacek Wojtkiewicz and Andreas Klümper

Sharp Phase Boundaries for a Lattice Flux Line Model

C. Borgs, J. T. Chayes, C. King, and N. Madras

Cassie's Law and Concavity of Wall Tension with Respect to Disorder

François Dunlop and Krzysztof Topolski

Dynamical Localization for the Random Dimer Schrödinger Operator

Stephan De Bièvre and François Germinet

Flowing Sand—A Possible Physical Realization of Directed Percolation

Haye Hinrichsen, Andrea Jiménez-Dalmaroni, Yadin Rozov, and Eytan Domany

Kinetic Theory of Area-Preserving Maps. Application to the Standard Map in the Diffusive Regime

R. Balescu

Derivation of Maximum Entropy Principles in Two-Dimensional Turbulence via Large Deviations

Christopher Boucher, Richard S. Ellis, and Bruce Turkington

On the Trend to Equilibrium for Some Dissipative Systems with Slowly Increasing *A Priori* Bounds

G. Toscani and C. Villani

Large Deviations for Expanding Transformations with Additive White Noise

S. C. Carmona and A. Lopes

A Modified Boltzmann Equation for Bose–Einstein Particles: Isotropic Solutions and Long-Time Behavior

Xuguang Lu

On the Brazil Nuts Problem: Is It of Relevance to Hydrodynamics?

Effat A. Saied

A Remark on the Notion of Robust Phase Transitions

Aernout C. D. van Enter

DEPARTMENTS

Book Review: *Nonequilibrium Phase Transitions in Lattice Models*

Daniel ben-Avraham

Book Review: *Scaling Limits of Interacting Particle Systems*

Ellen Saada

Book Review: *Molecular Thermodynamics*

Rudi Podgornik

Book Review: *Ludwig Boltzmann: The Man Who Trusted Atoms*

Stephen Brush