

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

### *ARTICLES*

Upper Bounds on the Critical Temperature for Kac Potentials

*M. Cassandro, R. Marra, and E. Presutti*

Logarithmic Corrections and Finite-Size Scaling in the Two-Dimensional  
4-State Potts Model

*Jesús Salas and Alan D. Sokal*

An Algorithm-Independent Definition of Damage Spreading-Application to  
Directed Percolation

*Haye Hinrichsen, Joshua S. Weitz, and Eytan Domany*

Optimal Multigrid Algorithms for Variable-Coupling Isotropic Gaussian  
Models

*A. Brandt and M. Galun*

The Convergence of Cluster Expansion for Continuous Systems with  
Many-Body Interaction

*A. L. Rebenko and G. V. Shchepan'uk*

Stable Quasicrystalline Ground-States

*Jacek Miekisz*

Ground-State Correlation Functions for an Impenetrable Bose Gas with  
Neumann or Dirichlet Boundary Conditions

*Takeo Kojima*

Quasi-Bound States of Two Magnons in the Spin-1/2 *XXZ* Chain

*Yoshifumi Morita, Mahito Kohmoto, and Tohru Koma*

Minimal Sandpiles on Hexagonal Lattice

*V. B. Priezzhev and D. V. Kitarev*

Majority-Vote Cellular Automata, Ising Dynamics, and P-Completeness

*Cristopher Moore*

Kolmogorov-Sinai Entropy, Lyapunov Exponents, and Mean Free Time  
in Billiard Systems

*P. L. Garrido*

Lyapunov Instability of the Boundary-Driven Chernov–Lebowitz Model  
for Stationary Shear Flow

*Ch. Dellago and H. A. Posch*

Front Speed in the Burgers Equation with a Random Flux

*J. Wehr and J. Xin*

The Inviscid Burgers Equation with Initial Value of Poissonian Type

*A. Dermoune*

On Vlasov–Maniv Equations. I: Foundations, Properties, and Nonglobal  
Existence

*A. V. Bobylev, P. Dukes, R. Illner, and H. D. Victory, Jr.*

Analytic Solutions of Linearized Lattice Boltzmann Equation for Simple  
Flows

*Li-Shi Luo*

Lattice Boltzmann Model for the Incompressible Navier–Stokes Equation

*Xiaoyi He and Li-Shi Luo*

Relativistic Ornstein–Uhlenbeck Process

*F. Debbasch, K. Mallick, and J. P. Rivet*

#### SHORT COMMUNICATIONS

On the Quantum Probability Flux Through Surfaces

*M. Daumer, D. Dürr, S. Goldstein, and N. Zanghi*

Chaos for the Sierpinski Carpet

*Chen Ercai*

On a Generalized Model of Biological Evolution

*H. N. Agiza, M. F. Elettreby, and E. Ahmed*

#### DEPARTMENTS

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