

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

### **ARTICLES**

Two Solutions to Diluted  $p$ -spin Models and XORSAT Problems

*M. Mézard, F. Ricci-Tersenghi, and R. Zecchina*

Replica Bounds for Optimization Problems and Diluted Spin Systems

*Silvio Franz and Michele Leone*

Closure Approximations for Passive Scalar Turbulence: A Comparative Study on an Exactly Solvable Model with Complex Features

*Peter R. Kramer, Andrew J. Majda, and Eric Vanden-Eijnden*

Discrete Velocity Fields with Explicitly Computable Lagrangian Law

*Curtis D. Bennett and Craig L. Zirbel*

A Simple Asymmetric Evolving Random Network

*Michel Bauer and Denis Bernard*

Lévy-driven Langevin Systems: Targeted Stochasticity

*Iddo Eliazar and Joseph Klafter*

Modes of a Gaussian Random Walk

*Philip K. Rawlings*

Higher-order Spectral Densities of Fractional Random Fields

*V. V. Anh, N. N. Leonenko, and L. M. Sakhno*

A Boolean Delay Equation Model of Colliding Cascades. Part I: Multiple Seismic Regimes

*Ilya Zaliapin, Vladimir Keilis-Borok, and Michael Ghil*

A Boolean Delay Equation Model of Colliding Cascades. Part II: Prediction of Critical Transitions

*Ilya Zaliapin, Vladimir Keilis-Borok, and Michael Ghil*

Sinai-Ruelle-Bowen Measures for Lattice Dynamical Systems

*Miaohua Jiang*

Ergodic Properties of a Simple Deterministic Traffic Flow Model

*Michael Blank*

Convergence from Boltzmann to Landau Processes with Soft Potential and Particle Approximations

*Hélène Guérin and Sylvie Méléard*

On the Kohn–Sham Equations with Periodic Background Potentials

*E. Prodan and P. Nordlander*

A Note on Cactus Trees: Variational vs. Recursive Approach

*Marco Pretti*

On the Landau–Lifschitz Degrees of Freedom in 2-D Turbulence

*C. Foias, M. S. Jolly, O. P. Manley, and R. Rosa*

#### *DEPARTMENTS*

Book Review: *Quantum Mechanics and Its Emergent Macrophysics*

*Herbert Spohn*