

Future Contributions to *Journal of Statistical Physics*

This special issue consists of papers dedicated to the memory of Paola Calderoni

ARTICLES

Editors' Preface

Joel L. Lebowitz and Errico Presutti

Small Random Perturbations of Finite- and Infinite-Dimensional Dynamical Systems: Unpredictability of Exit Times

Fabio Martinelli, Enzo Olivieri, and Elisabetta Scoppola

Stochastically Perturbed Landau–Ginzburg Equations

Roberto Benzi, G. Jona-Lasinio, and Alfonso Suter

Transient Bimodality in Interacting Particle Systems

P. Calderoni, A. Pellegrinotti, E. Presutti, and M. E. Vares

A Reaction-Diffusion Model for Moderately Interacting Particles

G. Nappo, E. Orlandi, and H. Rost

A Microscopic Model of Interface Related to the Burgers Equation

A. De Masi, P. A. Ferrari, and M. E. Vares

Computer Simulation of Shock Waves in the Completely Asymmetric Simple Exclusion Process

C. Boldrighini, G. Cosimi, S. Frigio, and M. Grasso Nuñez

A Stochastic Particle System Modeling the Carleman Equation

S. Caprino, A. De Masi, E. Presutti, and M. Pulvirenti

Large-Density Fluctuations for the One-Dimensional Supercritical Contact Process

Antonio Galves, Fabio Martinelli, and Enzo Olivieri

A Mechanical Model of Brownian Motion in Half-Space

Paola Calderoni, Detlef Dürr, and Shigeo Kusuoka

The Smoluchowski Limit for a Simple Mechanical Model

Paola Calderoni and Detlef Dürr

On the Analyticity of the Pressure in the Hierarchical Dipole Gas

G. Benfatto, G. Gallavotti, and F. Nicolò

Behavior of a Quantum Particle in Contact with a Classical Heat Bath

P. Nielaba, J. L. Lebowitz, H. Spohn, and J. L. Vallés

Particles and “Bumps” in Quantum Field Configurations

Ph. Blanchard, E. A. Carlen, and G. F. Dell’Antonio

An Invariance Principle for Reversible Markov Processes. Applications to
Random Motions in Random Environments

A. De Masi, P. A. Ferrari, S. Goldstein, and W. D. Wick