

Future Contributions to *Journal of Statistical Physics*

ARTICLES

Critical Exponent for the Loop Erased Self-Avoiding Walk by Monte Carlo Methods

A. J. Guttmann and R. J. Bursill

Dynamical Exponents for One-Dimensional Random-Random Directed Walks

Claude Aslangul, Marc Barthelemy, Noëlle Pottier, and Daniel Saint-James

Diffusion in Lattices with Anisotropic Scatterers

J. B. T. M. Roerdink, K. E. Shuler, and G. F. Lawler

Diffusion and Survival in a Medium with Imperfect Traps

Th. M. Nieuwenhuizen and H. Brand

On the Stability of Crystal Growth

D. J. Gates and M. Wescott

Coding and Computation with Neural Spike Trains

William Bialek and A. Zee

Statistical Mechanics of Probabilistic Cellular Automata

Joel L. Lebowitz, Christian Maes, and Eugene R. Speer

A Toom Rule That Increases the Thickness of Sets

Peter Gács

A Fixed Point Equation for the High-Temperature Phase of Discrete Lattice Spin Systems

Tom Kennedy

Cluster Expansion for d -Dimensional Lattice Systems and Finite-Volume Factorization Properties

Enzo Olivieri and Pierre Picco

Statistical-Thermodynamic Approach to a Chaotic Dynamical System: Exactly Solvable Examples

H. Shigematsu

Asymptotic Geometry of Hyperbolic Well-Ordered Cantor Sets

F. M. Tangerman and J. J. P. Veerman

Finite-Temperature Density Functional Theory of Atoms in Strong
Magnetic Fields

Shiwei Li and J. K. Percus

The Nearest-Neighbor Resonating-Valence Bond State in a Grassmannian
Form

Thomas Blum and Yonathan Shapir

Inertial Effects on the Escape Rate of a Particle Driven by Colored Noise:
An Instanton Approach

T. J. Newman, A. J. Bray, and A. J. McKane

Brownian Motion in a Rotating Flow

Toshiyuki Gotoh

On Solutions to the Linear Boltzmann Equation with General Boundary
Conditions and Infinite-Range Forces

Rolf Petterson

The Kinetic Boundary Layer for the Linearized Boltzmann Equation
around an Absorbing Sphere

G. F. Hubmer and U. M. Titulaer

Global Existence in L^1 for the Generalized Enskog Equation

Jacek Polewczak

SHORT COMMUNICATIONS

Viscous Drag by Cellular Automata

J. A. M. S. Duarte and U. Brosa

Large-Scale Simulation of Avalanche Cluster Distribution in Sand Pile
Model

S. S. Manna

Euler Characteristic in Percolation Theory

B. L. Okun

DEPARTMENTS

Program: Statistical Physics at the 45th Parallel: 3rd Annual Meeting,
Clarkson University

Book Review: Principles of Statistical Radiophysics, 3, Elements of
Random Fields

Mark J. Beran

Addendum: A Stochastic Particle System Modeling the Carleman Equation

S. Caprino, A. DeMasi, E. Presutti, and M. Pulvirenti