

Future Contributions to *Journal of Statistical Physics*

ARTICLES

Information Processing in Three-State Neural Networks

C. Meunier, D. Hansel, and A. Verga

Some Rigorous Results on the Hopfield Neural Network Model

Hans Koch and Jacques Piasko

An Improved Algorithm for Computing Topological Entropy

Louis Block, James Keesling, Shihai Li, and Kevin Peterson

A Chaotic Map with a Flat Segment Can Produce a Noise-Induced Order

Shinji Doi

Correlation Lengths for Oriented Percolation

Richard Durrett, Roberto H. Schonman, and Nelson I. Tanaka

Scaling Inequalities for Oriented Percolation

Richard Durrett and Nelson I. Tanaka

Nonequilibrium Lattice Models: Series Analysis of Steady States

Ronald Dickman

Random Walk in Dynamically Disordered Chains: Poisson White Noise Disorder

E. Hernández-García, L. Pesquera, M. A. Rodríguez, and M. San Miguel

Open Systems of Splitting Particles

V. A. Antonets, M. A. Antonets, and V. A. Farfel

Einstein's Relation between Diffusion Constant and Mobility for a Diffusion Model

Hermann Rodenhausen

Defect of the Five-Thirds Law Using the Wiener-Hermite Expansion

Tung-chen Chung and William C. Meecham

The Kinetic Boundary Layer around an Absorbing Sphere and the Growth of Small Droplets

M. E. Widder and U. M. Titulaer

The Boundary Value Problem in Fermion Systems

H. Seibold and C. Toepffer

Generalization of the Foldy–Lax Formula for the Self-Energy of a Wave Propagating in a Disordered System of Scatterers

B. U. Felderhof and B. Cichocki

Sum Rules for the One-Component Plasma with Additional Short-Range Forces

P. Vieillefosse and M. Brajon

Surface Properties of Finite Classical Coulomb Systems: Debye–Hückel Approximation and Computer Simulations

Ph. Choquard, B. Piller, René Rentsch, and P. Vieillefosse

Collective Modes in Ising Lattices

J. K. Percus

SHORT COMMUNICATIONS

Purely Absolutely Continuous Spectrum for Almost Mathieu Operators

V. Chulaevsky and F. Delyon

Finite-Size Effects in a Cellular Automaton for Diffusion

K. Froböse

The Microscopic Stress Tensor Field in Particle Systems with Many-Body Interactions

Heinz-Jürgen Wagner

Turbulence without Strange Attractor

U. Brosa

A Global Existence Theorem for the Nonlinear BGK Equation

William Greenberg and Jacek Polewczak

DEPARTMENTS

Book Review: Convection and Chaos in Fluids

Bruce J. West

Book Review: Principles of Radiophysics

George H. Weiss

Book Review: Random Media

Frank den Hollander

Book Review: Phase Transitions and Critical Phenomena, Vol. 12

Maria C. T. P. C. Bartelt

Abstracts from the CECAM Workshop on Computer Simulations of Cellular Automata, Orsay, September 26–October 7, 1988

Program of the 60th Statistical Mechanics Meeting