

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

### Preface

*William M. Gelbart and Joel L. Lebowitz*

### Adsorption and Nucleation on Smooth Surfaces

*Jin Sheng Sheu, Jer Ru Maa, and Joseph L. Katz*

### Free Energy Models for Nonuniform Classical Fluids

*J. K. Percus*

### Dynamic and Thermodynamic Consequences of Adsorbate Lateral Interactions in Surface Reaction Kinetics

*M. Silverberg and A. Ben-Shaul*

### Semiclassical Description of Inelastic Atom Scattering by Surfaces

*Walter Kohn*

### The Statistical Wave Function

*R. D. Levine*

### Quantum Monte Carlo Study of a Proton in an Electron Gas

*G. Sugiyama, L. Terray, and B. J. Alder*

### Anomalous Scaling in Systems Partially Controlled by Diffusion

*G. O. Williams and H. L. Frisch*

### Mobility Fluctuations and Electrophoretic Light Scattering from Macromolecular Solutions

*J. B. Hubbard and D. A. McQuarrie*

### Monte Carlo Analysis of the Internal Structure of Light Scattering Particles with Slit-Scan Illumination

*R. Bhandari and M. Kerker*

### Depolarized Light Scattering from Liquids: Rotations, Collisions, and Hydrodynamics

*Daniel Kivelson*

### Liquid Crystalline States of Surfactant Solutions of Isotropic Micelles

*Carey Bagdassarian, William M. Gelbart, and Avinoam Ben-Shaul*

In Search of the Griffiths Shield Region

*I-Chen Wei and Robert L. Scott*

Effective Medium Theory for Elastic Matrix Composites Containing Dispersed Particulates

*Myung S. Jhon, Robert J. Metz, and Karl F. Freed*

Note on the Interfacial Tension of Phase-Separated Polymer Solutions

*B. Widom*

Monte Carlo Simulation Using the Fourier Transform of the Interatomic Potential

*Michael Plischke and Farid F. Abraham*

High-Pressure Equation of State for Solid Krypton from Interatomic Potentials

*J. A. Barker*

Coincidence Theorem for the Direct Correlation Function of Hard-Particle Fluids

*M. S. Wertheim*

The Hard-Sphere Fluid: New Exact Results with Applications

*Yaoqi Zhou and George Stell*

Is the Percolation Transition of Hard Spheres a Thermodynamic Phase Transition?

*Karl W. Kratky*

On the Long-Tail Solar Wind Electron Velocity Distribution

*Michael F. Shlesinger and Michael A. Coplan*

Nonlinear Optimization Simplified by Hypersurface Deformation

*F. H. Stillinger and T. A. Weber*

Computer Simulations of the Growth of Breath Figures

*Daniela Fritter, Charles M. Knobler, Didier Roux, and Daniel Beysens*

Power Law Decay of Correlations in Stationary Nonequilibrium Lattice Gases with Conservative Dynamics

*M. Q. Zhang, J.-S. Wang, J. L. Lebowitz, and J. L. Vallés*