

FIELDS OF INTEREST OF BOARD OF EDITORS

Dr. Berni J. Alder

Statistical mechanics, classical equilibrium and transport theory, molecular dynamics, machine computation

Dr. Igor T. Aleksanyan

Physical theory of reliability, thin film physics, physics of surfaces of the solid state

Professor Thor Bak

Statistical mechanics, chemical kinetics, transport, collective methods

Professor A. V. Balakrishnan

Control and information theory

Professor A. Bellemans

Equilibrium statistical mechanics

Professor Frank Buff

Statistical mechanics, surface phenomena, chemical kinetics

Dr. E. Richard Cohen

Numerical analysis, kinetic theory, stochastics, plasmas, reactor physics

Professor Morrel H. Cohen

Application of stochastics to pattern recognition, information and communication theory, life processes, macroeconomics, many-body physics

Professor John S. Dahler

Statistical mechanics, quantum and classical mechanics, kinetic theory

Professor Harry L. Frisch

Theory of liquids, high polymers, foundations of kinetic theory of gases

Dr. Robert P. Futrelle

Nonequilibrium phenomena, fluctuations, electromagnetic problems, theoretical and developmental biology

Professor Julian H. Gibbs

Applications of statistical physics to molecular biology, nature of the glass transition in supercooled liquids and polymers, properties of water in aqueous solutions of biochemical significance, structure and function of biological membranes

Professor Harold Grad

Statistical mechanics, kinetic theory, foundations, mathematical methods, plasma physics

Professor Melville S. Green

Statistical mechanics of irreversible processes, theory of simple liquids, graph theory, theory of critical phenomena, fluctuation theory, ergodic theory

Dr. John M. Hammersley

Monte Carlo methods, stochastic processes

Professor Michael D. Intriligator

Mathematical optimization, economic theory, econometrics

Professor Leo P. Kadanoff

Classical and quantum statistics, fluctuations, transport, urban problems

Professor Thomas Kailath

Statistical communication, control and data processing

Professor Rudolf E. Kalman

Control theory, mathematical system theory, probability

Professor Taro Kihara

Chemical physics related to intermolecular forces in gases, liquids, and solids; astrophysics, cosmology, and general theory of relativity; transport phenomena in high-temperature plasmas

Professor Tjalling C. Koopmans

Economic theory, optimal growth theory, econometrics

Professor Ryogo Kubo

Classical and quantum statistics, irreversibility, fluctuation and correlation collective methods

Professor Joel L. Lebowitz

Statistical mechanics of equilibrium and nonequilibrium processes, biomathematics, biophysics

Professor Shneior Lifson

Statistical biophysics, linear chain biopolymers

Professor Daniel L. McFadden

Econometrics and communication theory

Professor William C. Meecham

Fluid dynamics, stochastics, random processes in general

Professor Elliott W. Montroll

Statistical mechanics, theory of fluids, stochastics

Professor Dr. A. Münster

General equilibrium statistical mechanics (except ergodic theory and relativity), theory of fluctuations, theory of liquids and liquid mixtures, critical phenomena

Dr. Howard Reiss, Editor-in-Chief

Statistical thermodynamics, nucleation, polymers, life processes, chemical kinetics

Dr. Robert J. Rubin

Brownian motion theory, random walk theory, statistical mechanics of one- and two-dimensional systems, cooperative phenomena and phase transitions, properties of random media, statistical mechanics of many-body systems (nondiagrammatic), statistical mechanics of polymer systems

Professor Kurt E. Shuler

Stochastics, chemical kinetics, relaxation processes

Professor Arnold J. F. Siegert

Equilibrium statistical mechanics (applications of methods of theory of random variables and random functions to problems in equilibrium statistical mechanics), random processes (Brownian motion, circuit noise, with emphasis on applied mathematics aspect not on physical sources of noise)

Dr. Jerome Spanier

Monte Carlo methods, numerical analysis, transport theory

Dr. Frank H. Stillinger, Jr.

Classical and quantum statistics

Dr. Georgio Szegö

Abstract theory of dynamical system, theory of stability, numerical analysis

Dr. Dirk ter Haar

Classical and quantum statistics, kinetic theory, foundations, statistical physics in astrophysics

Dr. Myron Tribus

Any aspect of inference involving the principle of maximum entropy, applications of Bayesian inference

Professor Lotfi Zadeh

System and computer sciences