

13th West Coast Statistical Mechanics Conference

University of California, Berkeley, California

June 9, 1987

Tony Ladd, Lawrence Livermore National Lab. Structural Relaxation in Hard-Sphere Fluids

David T. Wu, Chemistry, UC Berkeley. Non-Gaussian Influence Functional for Quantum Systems

Francis H. Ree, Lawrence Livermore National Lab. Hard-Sphere Perturbation Theory for One-Component Plasma

Toshiko Ichiye, Chemistry, UC Berkeley. Solvation of Hydrophobic Molecules

Dirk Stigter, Pharmaceutical Chemistry, UC San Francisco. Head-Group Interactions among Amphiphilic Molecules at Oil/Water Interfaces

David A. Young, Lawrence Livermore National Lab. Systematics of Phase Diagrams for Hard and Soft Potentials

Hugh DeWitt, Lawrence Livermore National Lab. The Bridge Function Graph Obtained from OCP Monte Carlo Simulation Data

Craig A. Tracy, Mathematics, UC Davis. Recent Results for the Hard Hexagon Model

William G. Hoover, UC Davis-Livermore. How Nosé-Gauss Reversible Mechanics is Consistent with the Irreversible Second Law of Thermodynamics

W. P. Keirstead and B. A. Huberman, Physics, Stanford University. Ultradiffusion and Dynamical Phase Transitions

David Ceperley, Lawrence Livermore National Lab. Calculation of Tunneling Frequencies in BCC ^3He

James C. Davis, Physics, UC Berkeley. Flow of Superfluid ^3He in Restricted Geometries

Herb Strauss, Chemistry, UC Berkeley. Phonon-Assisted Tunneling in Crystals

- Mike Colvin, Lawrence Livermore National Lab. Dynamics of Hard Hexagons: A Method for Very Large-Scale MD Simulations
- Lloyd L. Lee, Chemical Engineering University of Oklahoma. Solutions of Groups: The Interaction Site Model Analysis for Multifunctional Polyatomic Mixtures
- Giuseppe Rossi, Materials, UC Santa Barbara. Conformons—Self-Localized Electrons in Soluble Conjugated Polymers
- Udayan Mohanty, Chemistry, Boston College. Dynamical Processes in Supercooled and Glassy States
- Grant Heffelfinger, Chemical Engineering Cornell University. Liquid–Vapor Coexistence in a Cylindrical Pore
- John Stephenson, Physics, Alberta. Some New Results on Ising Model Partition Function Zeros
- Julian Talbot, Chemistry, UCLA. Anisotropic Hard Core Molecules in One Dimension
- D. A. Huckaby, Chemistry, TCU. Exact Two-Phase Coexistence Surface for a Three-Component Solution on the Square Lattice
- P. K. Basu, University of the District of Columbia. MD Evaluation of Cell Models for Gas Hydrate Crystal Dynamics
- Jeffrey Fox, National Bureau of Standards, Boulder. A Field Space Corresponding States Method
- R. McGraw, Rockwell International. The Fluctuation-Dissipation Theorem and Laser-Induced Dynamic Gratings
- Zhong-Ying Chen, Chemistry, UCLA. Second-Order Light Scattering of Fractal Objects
- Douglas Henderson, IBM Almaden Research Center. Remarks Concerning the Self-Consistency of the PB Theory for the Pair Correlation Functions of Inhomogeneous Charged Particles
- H. Jönsson, Chemistry, Stanford. “Slow” Structural Relaxation and Fivefold Symmetry in the One-Component LJ Fluid
- P. B. Balbuena, Chemistry, UC Davis. Finding the Global Minimum Free Energy by Simulated Annealing: Application to a Lattice Model
- F. Forstmanns, Physics, Berlin. A Local Density Functional Method for Strongly Inhomogeneous Fluids
- K. Ding, Chemistry, UC Berkeley. Freezing of Water