

Fifteenth West Coast Statistical Mechanics Conference

Organized by Bill Hoover and Dan Calef

16 June, 1989

D. Calef, presiding

Carol Hoover (LLNL), Precision engineering via nonequilibrium molecular dynamics

Francis H. Ree (LLNL), Statistical mechanical calculations on melting of krypton and xenon

Tony Ladd (LLNL), Computer simulations of hydrodynamically interacting particles

Hugh DeWitt (LLNL) and Wayne Slattery (LASL), Coulomb glass

Rajiv R. Singh (UCB), Systematic differences, near the critical point, between gas-liquid and liquid-liquid systems

Douglas Henderson (IBM-San Jose), Modified Lovett-Mou-Buff-Wertheim equation for inhomogeneous fluids

Marlene Huerta (UCD), Swelling pressure on clays: Effect of the unequal ionic radius of electrolyte

Matthew Glaser (U of Co), Melting and the structure of two-dimensional liquids

Claude Garrod (UCD), Solvable models for crystal growth

F. Ree, presiding

Gerald Wilemski (Phys Sci, Inc.), Discontinuous shear thinning in Brownian dynamics simulations of aqueous suspensions

John Wheeler (USD), Simulations of polymerizing chains

Thomas P. Stockfisch (UCSD), A microscopic lattice model for microemulsions

Robert L. Scott (UCLA), Modeling the tricritical region with the van der Waals equation

A. K. Macpherson (Lehigh Univ), The entropy of an interstitial pair in silicon

Lloyd L. Lee (U of Ok), New zero separation results for the cavity distribution functions $y_{ij}(r)$ of isotropic and anisotropic mixtures

Carey K. Bagdassarian (UCLA), In-plane defect topologies in amphiphilic lamellar systems

Joel Keizer (UCD), Molecular fluctuations on limit cycles and chaotic attractors

Jeffrey R. Fox (NIST), Field-space corresponding states, version 3

Shi Qing Wang (UCLA), Langevin approach to polymers in flow

The Sixteenth West Coast Statistical Mechanics Meeting will be held in June 1990 in southern California. For details, contact Doug Henderson (IBM, Almaden Research Center, San Jose, California).