

Australian Statistical Mechanics Meeting

Mathematics Department, Australian National University

7 November 1991

- C. J. Thompson (Melbourne) Self consistent approach to localization and the Anderson transition
- T. C. Choy (Monash) Yet another way to look at the 1-d Hubbard model—some exact results for correlation functions
- J. Oitmaa (U.N.S.W.) The Heisenberg antiferromagnet with spin or bond defects
- M. T. Batchelor (A.N.U.) Central charge of the Izergin–Korepin and solvable $O(n)$ models
- R. Brak (Melbourne) A collapse transition in a directed walk model
- C. Pisani (La Trobe) The 2-d, 2-component Coulomb gas at $\Gamma=2$ in a disc
- P. J. Forrester (La Trobe) The Fisher–Hartwig formula in statistical mechanics
- G. Campbell (D.E.E.T.) Some identities related to visible lattice point vectors
- B. Davies (A.N.U.) Corner transfer matrices and Virasoro symmetry
- T. Prellberg (Melbourne) Maps of intervals with indifferent fixed points: thermodynamic formalism and phase transitions
- J. Yang (U.N.S.W.) Lattice model of phase diagram of YBCU
- N. E. Frankel (Melbourne) Prime and integer gases

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- P. A. Pearce (Melbourne) Scaling dimensions of restricted solid-on-solid models

- A. J. Guttmann (Melbourne) Modelling collapse transitions in polymers
 V. V. Bazhanov and R. J. Baxter (A.N.U.) New solvable lattice models in three-dimensions
 A. D. J. Haymet (Sydney) Integral equation theory for associating liquids
 I. Snook (R.M.I.T.) Computer simulation with N -body hydrodynamically interacting particles: clusters, chaos and colloids
 D. E. Evans (A.N.U.) Lyapunov instability, far from equilibrium steady states and time correlation functions
 S. Priyardshy (Sydney) Orientation relaxation in a two-dimensional diatomic crystal
 D. Smith (Sydney) Computer simulations of ionic solvation and ion-pair free energies in aqueous solution
 W. Zheng and C. J. Hamer (U.N.S.W.) Approximate universality in the 3-state Potts model
 G. R. W. Quispel (La Trobe) Nonlinear dynamics
 R. Moss (Sydney) Fluctuations and dynamics at the crystal-liquid interface
 T. Taucher (Melbourne) The n -vector p -spin glass
 J. Henderson (U.N.S.W.) High temperature expansion of the Hubbard model