

1994 Statistical Mechanics/ Mathematical Physics Meeting

Melbourne University, November 14–16, 1994

Paul A. Pearce, Coordinator¹

Henry, B. (UNSW)

On Equipartition Principles for Normal Mode Energies in Anharmonic Chains

Searles, D. (ANU)

Steady States, Invariant Measures and Response Theory

Morriss, G. (UNSW)

Nonequilibrium Lorentz Gas

Todd, B. (ANU)

A General Statistical Mechanical Method for Calculating the Pressure Tensor

Daivis, P. (ANU)

The Wavevector Dependent Viscosity and its Einstein Relation

Hurley, M. (Sydney)

On the Inhomogeneity of Relaxation Processes in a 2D Liquid

Panjkov, A. (La Trobe)

Virial Binding and the Solvent Cage

Harrowell, P. (Sydney)

Visualizing the Collective Motions in Simulations of a Model Glass

Travis, K. P. (ANU)

Unbiased Thermostats for Non-equilibrium Shear Flow in Molecular Systems

Casey, A. (Sydney)

Lattice Simulations of a Model Liquid Crystal

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- Gates, D. J. (CSIRO)
Crystal Growth in Three Dimensions
- Koks, D. (Adelaide)
Application to Entropy of the Influence Functional Formalism
- Quispel, G. R. W. (La Trobe)
Numerical Integration Schemes Preserving Symmetries and/or Volume
- Roberts, J. A. G. (Melbourne)
Escaping Orbits in Trace Maps
- Attard, P. (ANU)
Born-Green-Yvon Equation for Polymer Fluids
- Guttman, A. J. (Melbourne)
Three-Choice-Polygons—An Exactly Solvable Model
- Bennett-Wood, D. (Melbourne)
Interacting Oriented Polymers
- Brak, R. (Melbourne)
Asymptotics of Polyominoe Models
- Owczarek, A. (Melbourne)
Universal Distance Ratios for Interacting Two-Dimensional Polymers
- Batchelor, M. T. (ANU)
Exact Results for the Adsorption of a Flexible Self-Avoiding Polymer Chain in 2D
- Yang, S. (Melbourne)
Phase Transitions of a Liquid-Metal Model
- Zheng, W. (UNSW)
The Comparison Between t -Expansion and Strong-Coupling Series Expansion
- Frankel, N. (Melbourne)
Magnetized Bose Pair Gas
- Forrester, P. J. (Melbourne)
A Test Bench for the Nested Dipole Hypothesis of Kosterlitz and Thouless
- Seaton, K. A. (La Trobe)
Polymer Surface Exponents from Configurational Equivalences to Solvable Models
- Yung, C. M. (ANU)
Reflection Matrices and Integrable Lattice Models with Open Boundary Conditions
- Behrend, R. (Melbourne)
Commuting Row Transfer Matrices with Fixed Boundary Conditions
- O'Rourke, M. (ANU)
Numerical Results for the Critical 3-State Potts Model

- Zhou, Y.-K. (Melbourne)
Calculation of Finite-Size Corrections for Higher Rank Lattice Models
- Bazhanov, V. V. (ANU)
Lattice Ising Model in a Field: E8 Scattering Theory
- Foda, O. (Melbourne)
Elliptic Affine Algebras
- Warnaar, S. O. (Melbourne)
Rogers–Ramanujan Identities from Solvable Lattice Models
- Jarvis, P. (Tasmania)
Schemes of a Final SUSY—A Schizosymmetrically Twisted Taswegian Tale
- Hurst, C. A. (Adelaide)
A Rigorous Version of Dirac's Constraint Theory
- Zhang, Y.-Z. (Queensland)
Finite-Dimensional Reps of Quantum Affine Algebras and Solutions of QYBE
- Molev, A. (ANU)
New Families of Casimir Operators for Classical Lie Algebras
- McCarthy, J. (Adelaide)
B-V Algebra Structure in the (2, 2) Dimensional W-String
- Hou, B.-Y. (Xian)
 q -Homotopy and q -Gauge Cocycles
- Green, H. S. (Adelaide)
Contiguity and the Theory of Measurement in Quantum Mechanics
- Tsohantjis, I. (Tasmania)
BRST and Poincaré Symmetries
- Links J. (Queensland)
A Model of Correlated Electrons with $gl(2|1)$ Symmetry
- McAnally, D. (Queensland)
Some Comments on the Unusual World of Quaternion Quantum Mechanics
- Kreimer, D. (Tasmania)
Renormalization and Knot Theory
- Bezen, A. (Melbourne)
Stochastic Perturbations of the Sine-Gordon Equation