Australian Statistical Mechanics Meeting

Mathematics Department, Melbourne University

16 November 1992

Does $2 - \alpha = 1/\phi$ in Tricritical Interacting Walk Models?
    R. Brak (Melbourne)
Exact Solution of the Discrete $(1 + 1)$-Dimensional SOS Model with Field and Surface Interactions
    T. Prellberg (Melbourne)
Partially Directed Walks Give Up Their Secrets
    A. Owczarek (Melbourne)
Asymptotics of Walks on Quasilattices
    K. Briggs (Melbourne)
Diffusion in Lattice Gas Cellular Automata
    E. G. D. Cohen (Rockefeller)
Lyapunov Exponents and the "Statistical Mechanics" of Tangent Space
    D. Evans (ANU)
Thermal Conducitivity of a Strongly Sheared Liquid
    P. Daivis (ANU)
The Glass Transition
    B. van Megen (RMIT)
Quenched n-Vector p-Spin Models
    T. Taucher (Melbourne)
Study of Electron Self-Trapping in a Lattice Model
    K. C. Wang (UNSW)
High Order Spin Wave Theory for the Heisenberg Antiferromagnet
    W. Zheng (UNSW)
The Duality Transformation Revisited
    C. A. Hurst (Adelaide)
Correlations in the $1/r^2$ Quantum Many Body System
    P. J. Forrester (La Trobe)
Off-Critical Correlation Functions: Recent Progress
    O. Foda (Melbourne)

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Transmutation between Quantized Bosonic and Fermionic Lie Algebras
R. Zhang (ANU)
Dilute A-D-E Lattice Models
K. A. Seaton (Melbourne)
Izergin–Korepin and Dilute A Models
U. Grimm (Melbourne)
Star–Triangle Relation for a Three-Dimensional Model
V. V. Bazhanov (ANU)
Spectra of Fractals and Random Walks
A. Telcs (Melbourne)
The Role of Fluctuations and Anisotropy in the Growth and Form of Aggregation Processes
B. I. Henry (UNSW)
Tip Lengths, Tip-Splitting, Whiskering and Conformal Transformations in Noise-Reduced DLA
M. T. Batchelor (ANU)
Trace Maps: Dynamical Systems Derived from Quasicrystals and Other Quasiperiodic Phenomena
J. A. G. Roberts (Melbourne)
Brownian Motion Simulation on a Ring of Transputers
A. Panjkov (La Trobe)
Heat Flow in Liquid Crystals
S. Sarman (ANU)
Chiral Potts Models and Corner Transfer Matrices
R. J. Baxter (RMIT)
The Widom Model of Microemulsions
A. Soehianie (UNSW)
Extended Conformal Algebras and Integrable Hierarchies
C. M. Yung (Tasmania)
Boltzmann Maps for n-Level Atoms
L. Rondoni (UNSW)