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(P2) "Heavy Quark Potential in Lattice QCD — A Review of Recent Progresses"

Authors: H.-Q. Ding

Current Status: Vol. 2, No. 2, pp. 637–658

(P3) "An Efficient Method to Calculate Field Theories with Dynamical Fermions"

Authors: Marcia G. Do Amaral, M. Kischinhevsky, C. Aragao de Carvalho and F. L. Teixeira

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(P4) "The 2D Heisenberg Antiferromagnet in High-Tc Superconductivity, A Review of Numerical Techniques and Results"

Authors: T. Barnes

Current Status: Vol. 2, No. 2, pp. 659–709

(P5) "Incorporating Knowledge into Simulated Annealing"

Authors: Xin Yao

Current Status: Referee comments to authors (4/17/91).

(P6) "Computational Ecosystems in a Changing Environment"

Authors: Natalie Glance, Tad Hogg and Bernardo A. Huberman

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(P7) "Physics Goals of the QCD Teraflop Project"

Authors: S. Aoki, et al. (submitted by Carleton DeTar)

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(P8) "Calculating Fractal Dimensions"

Authors: S. Goshen and R. Thieberger

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(P10) "On Quantum Complexity and the Fundamental Limits of Computational Complexity"

Authors: J. D. Brasher, C. F. Hester, and H. J. Caulfield

Current Status: Referee comments to authors (12/2/91).

(P11) "Mathematical Formulations and Computer Enumerations of Polymer Models with Loops"

Authors: Hwa A. Lim

Current Status: Vol. 3, No. 2, pp. 385–446

(P12) "GISMO: An Object-Oriented Program for High-Energy Physics Event Simulation and Reconstruction"

Authors: W. B. Atwood, T. Burnett, R. Cailliau, D. R. Myers, and K. M. Storr

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(P13) "Finite-Size Scaling at Critical Points with Spatial Anisotropies"

Authors: Kwan-Tai Leung

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(P14) "Monte Carlo Simulation of the Scattering Contributions to the XRF Line"

Authors: Hector Jorge Sanchez and Renzo Sartori

Current Status: Rejected (11/2/92).

(P15) "Parallel Acceleration Algorithm for Spin Models"

Authors: G. V. Bhanot and S. Adler

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(P16) "Hierarchical Tree-Structures as Adaptive Meshes"

Authors: David J. Edelsohn

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(P17) "Modelling and Simulation of Ergodic Data"

Authors: N. Faghih

Current Status: Rejected (11/2/92).

(P18) "Estimating Eigenvalue Spectra of Large Matrices"

Authors: R. N. Silver, H. Roder, J. A. Brueggeman

Current Status: Paper to Publisher (4/12/94).

(P19) "Spectrum of Text Information Content in the RNA Sequence of the Vesicular Stomatitis Virus"

Authors: Alexander A. Filyukov

Current Status:

(P20) "A Graphics Interface for Interpreting and Analyzing Inherently Two-Dimensional Images"

Authors: Robert J. McKee

Current Status: Rejected (7/31/92).

(P21) "Multicanonical Spin Glass Simulations"

Authors: Bernd A. Berg and Tarik Celik

Current Status: Vol. 3, No. 6, pp. 1251–1274

(P22) "Glueball and Meson Dispersion Relations in Compact $U(1)_{2+1}$ Lattice Gauge Theory"

Authors: A. M. Chaara, H. Kroger, K. J. M. Moriarty, and J. Potvin

Current Status: Vol. 4, No. 5, pp. 919–945

(P23) "Rainbows in $K_{i\,\eta}\,(\xi)$"

Authors: M. S. Hussein and M. P. Pato

Current Status: Rejected (2/3/93).

(P24) "V Cycle Dynamical Exponent of the Multi-Scale Update Algorithm for the 2-d XY Model"

Authors: S. L. Adler and G. V. Bhanot

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(P25) "Spline Techniques for Solving Relativistic Conservation Equations"

Authors: D. J. Dean, C. Bottcher, M. R. Strayer, and G. Gatoff

Current Status: Vol. 4. No. 4, pp. 723–747

(P26) "Investigation of the 3-D State, 2-D Potts Model with One Defect Line of Couplings by Density of States Monte Carlo Method"

Authors: Géza Ódor

Current Status: Vol. 3, No. 6, pp. 1195

(P27) "A Numerical Implementation of the Dirac Equation on a Hypercube Multicomputer"

Authors: J. C. Wells, A. S. Umar, V. E. Oberacker, C. Bottcher, M. R. Strayer, J.-S. Wu, J. Drake and P. Flanery

Current Status: Vol. 4, No. 3, pp. 459–592

(P28) "On the Determinant and Eigenvalues of the Autocorrelation Matrices"

Authors: Nezameddin Faghih

Current Status: Rejected (2/3/93).

(P29) "New SIMD Algorithms for Cluster Labeling on Parallel Computers"

Authors: John Apostolakis, Paul Coddington, and Enzo Marinari

Current Status: Vol. 4, No. 4, pp. 749–763

(P30) "A Hybrid Monte Carlo Study of the Su-Schrieffer-Heeger Model"

Authors: Marcia G. Do Amaral and C. Aragao de Carvalho

Current Status: Paper submitted (11/3/92). Paper to Publisher (9/25/93).

(P31) "Development of a Gaussian Hypergeometric Function Code in Complex Domains"

Authors: Yupai P. Hsu

Current Status: Vol. 4, No. 4, pp. 805–840

(P32) "Projector Approximation and Quantum Monte Carlo"

Authors: R. M. Fye

Current Status: Revised paper received (10/12/93). Paper to Publisher (12/10/93).

(P33) "Automatic Calculations in High Energy Physics by Grace/Chanel and CompHEP"

Authors: E. E. Boos, M. N. Dubinin, V. A. Ilyin, A. E. Pukhov, S. A. Shichanin, T. Kaneko, S. Kawabata, Y. Kurihara, Y. Shimizu, and H. Tanaka

Current Status: Revised paper received (12/10/93). Paper to Publisher (12/10/93).

(P34) "Autoregressive Genomic Walks"

Authors: B. G. Nguyen, D. J. Cork, D. Wu, T. Grace, and J. Roberge

Current Status: Referee comments to authors (7/2/93).

(P35) "Compressibility Effects in Modeling Turbulent High Speed Mixing Layers"

Authors: Cheryl L. Sellers and Suresh Chandra

Current Status: Referee comments to authors (8/10/94).

(P36) "Multigrid Methods for the Computation of Propagators in Gauge Fields"

Authors: Thomas Kalkreuter

Current Status: Paper to Publisher (3/12/94).

(P37) "Parallel Implementation of 3 + 1-Dimensional Relativistic Hydrodynamics"

Authors: D. J. Dean, C. Bottcher, M. R. Strayer, and J. C. Wells

Current Status: Vol. 4, No. 5, pp. 1023–1040

(P38) "Toward a Theory of the Physics of the Brain"

Authors: Richard T. Gordon

Current Status: Rejected (1/17/94).

(P39) "Spectral Properties of Derivative Operators in the Basis-Spline Collocation Method"

Authors: J. C. Wells, V. E. Oberracker, M. R. Strayer, and A. S. Umar

Current Status: Paper submitted (8/22/93). Paper to Publisher (10/20/94).

(P40) "Analysis of Random Number Generators using Monte Carlo Simulation"

Authors: P. D. Coddington

Current Status: Paper submitted (9/13/93). Paper to Publisher (9/29/93).

(P41) "Absorbing Computer Aided Design Geometries into the GEANT Simulation Program"

Authors: S. Youssef, P. Dragovitsch, and J. Womersley

Current Status: Paper submitted (9/27/93). Paper to Publisher (10/28/93).

(P42) "Topology Dependence in Lattice Simulations of Non-linear PDEs on a MIMD Computer"

Authors: P. Valin, B. Goulard, and M. Sanielevici

Current Status: Revised paper received (7/15/94). Paper to Publisher (8/10/94).

(P43) "Full QCD on APE100 Machines"

Authors: S. Antonelli, M. Bellacci, A. Donini, and R. Sarno

Current Status: Revised paper received (7/15/94). Paper to Publisher (8/10/94).

(P44) "Vector Hysteresis Modeling"

Authors: Alexandru Stancu and Constantin Papusoi

Current Status: Referee comments to authors (1/31/95).

(P45) "Parallel Wolff Cluster Algorithms"

Authors: S. Bae and S. H. Ko

Current Status: Paper to Publisher (3/5/95).

(P46) "The Mathematical Structures of Hierarchical Algorithms"

Authors: Zheng-Yao Su and Geoffrey C. Fox

Current Status: Referee comments to authors (8/5/94).

(P47) "Monte Carlo Simulation of the DC Size Effect in Thin Films"

Authors: R. I. Boughton and Zhiping Feng

Current Status: Paper to Publisher (3/5/95).

(P48) "Massively Parallel Supercomputing for Electromagnetic Modeling"

Authors: C. Y. Pan, Thomas J. Timmerman, and H. Q. Lin

Current Status: Referee comments to authors (3/5/95).

(P49) "Applying Tabu Search to the Two-Dimensional Ising Spin Glass"

Authors: Manuel Laguna and Pablo Laguna

Current Status: Paper to Publisher (12/12/94).

(P50) "Electrophoretic Classification of Topologically Nontrivial Macromolecules"

Authors: Elena Kenderova and Hwa A. Lim

Current Status: Referee comments to authors (1/17/96).

(P51) "Frequency Locking and Synchronization in 2-D Modulated Maps"

Authors: Sangeeta D. Gadre and V. S. Varma

Current Status: Referee comments to authors (2/15/96).

(P52) "Projection Monte Carlo Methods: An Algorithmic Analysis"

Authors: Nicolas J. Cerf and Olivier C. Martin

Current Status: Revised Paper Received (8/19/95). Paper to Publisher (9/11/95).

(P53) "Primality Test via Quantum Factorization"

Authors: H. F. Chau and H.-K. Lo

Current Status: Paper to Publisher (11/11/96).

(P54) "Phase Diagram of a Two Dimensional Dilute Binary Alloy"

authors: G. K. Khalil, K. Yaldram, and A. Sadiq

Current Status: Paper to Publisher (11/11/96).

(P55) "Boundary Integral Method for Stationary States of Two-dimensional Quantum Systems"

Authors: Ioan Kosztin and Klaus Schulten

Current Status: Paper to Publisher (4/25/97).

(P56) "Molecular Orbitals Calculation on LiH with Algebraic Treatment of the Integrals"

Authors: A. F. M. Righi, and C. A. Kuhnen

Current Status: Paper to Publisher (7/30/97).

(P57) "Exploiting Problem Structure as a Search Heuristic"

Authors: Tad Hogg

Current Status: Paper to Publisher (12/1/97).

(P58) "Parallel Invaded Cluster Algorithm for the Ising Model"

Authors: Y. S. Choi, and J. Machta

Current Status: Revised paper (6/30/98). Paper to Publisher (9/10/98).

(P59) "Graphical Presentation of Alpha-Decay Processes"

Authors: Moon H. Cha and Yeoung E. Kim

Current Status: Paper to Publisher (9/10/98).

(P60) "Performance Evaluation of the Quadrics Machine in Solving Chemical Rate Equations"

Authors: R. Lorenzini, L. Delle Monache, and G. Zanini

Current Status: Referee comments to authors (9/10/98).

(P61) "A Strategy of Designing Routing Algorithms Based on Ideal Routings"

Authors: K. Shinjo, S. Shimogawa, J. Yamada, and K. Oida

Current Status: Paper to Publisher (9/10/98).

(P62) "Conceptual Foundations of Quantum Mechanics: The Role of Evidence Theory, Quantum Sets, and Modal Logic"

Authors: Germano Resconi, George J. Klir, and Eliano Pessa

Current Status: Paper to Publisher (9/10/98).