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	Nota di contenuto	Invited Papers Forgivable Variational Crimes An Introduction to the Theory of Plausible and Paradoxical Reasoning Comparison of Ten Methods for the Solution of Large and Sparse Linear Algebraic Systems Variable-Coefficient Difference Schemes for Quasilinear Evolution Problems Additive Schemes for Systems of Time- Dependent Equations of Mathematical Physics Geometry of Polynomials and Numerical Analysis Monte Carlo and Quasi-Monte Carlo Methods Hybrid Monte Carlo Methods for Matrix Computation A New Efficient Algorithm for Generating the Scrambled Sobol' Sequence Generating and Testing the Modified Halton Sequences

Parallel Importance Separation and Adaptive Monte Carlo Algorithms for Multiple Integrals -- Monte Carlo and Quasi-Monte Carlo Algorithms for the Barker-Ferry Equation with Low Complexity -- On Some Weight Monte Carlo Methods for Investigating the Asymptotical Behavior of Solution of the Transfer Equation -- A Monte Carlo Approach for Finding More than One Eigenpair -- A New Class of Grid-Free Monte Carlo Algorithms for Elliptic Boundary Value Problems --Monte-Carlo Integration Using Cryptographically Secure Pseudorandom Generator -- Robust Iterative Solution Methods and Applications -- Galerkin and Control Volume Finite Element Methods for Large Scale Air Pollution Simulations: A Comparison -- Robust Preconditioners for Saddle Point Problems -- Solving Eigenproblems: From Arnoldi via Jacobi-Davidson to the Riccati Method -- On a Multigrid Adaptive Refinement Solver for Saturated Non-Newtonian Flow in Porous Media -- On a Multigrid Eigensolver for Linear Elasticity Problems -- On a Two-Level Parallel MIC(0) Preconditioning of Crouzeix-Raviart Non-conforming FEM Systems -- Control and Uncertain Systems -- Discrete Methods for Optimal Control Problems -- Numerical Schemes of Higher Order for a Class of Nonlinear Control Systems -- A Size Distribution Model Applied to Fish Farming -- A Stabilizing Feedback of an Uncertain Control System -- On the Stabilizability of Control Constrained Linear Systems -- An Interval Analysis Based Algorithm for Computing the Stability Margin of Uncertain Systems -- Evaluation of Crisis, Reversibility, Alert Management for Constrained Dynamical Systems Using Impulse Dynamical Systems -- Numerical Methods for Sensor Data Processing -- Digital Quadrature Demodulation of LFM Signals Obtained by Lowpass Filtering -- An Accelerated IMM JPDA Algorithm for Tracking Multiple Manoeuvring Targets in Clutter -- Tracking Algorithms Represented as Classes -- CFAR Processors in Pulse Jamming --Statistical Classifier of Radar Returns -- Estimation of Markovian Jump Systems with Unknown Transition Probabilities through Bayesian Sampling -- A Comparison of Decision Making Criteria and Optimization Methods for Active Robotic Sensing -- Gaze-Contingent Multi-modality Displays of Multi-layered Geographical Maps -- About the Specifics of the IMM Algorithm Design -- Target Behaviour Tendency Estimation Using Fuzzy Logic -- Contributed Papers -- Two Approaches to the Finite Element Analysis of the Stiffened Plates -- On the Postprocessing Technique for Eigenvalue Problems -- The Kachanov Method for a Rigid-Plastic Rolling Problem --Implementation of Bilinear Nonconforming Finite Elements in an Eulerian Air Pollution Model: Results Obtained by Using the Rotational Test -- Contour-Integral Representation of Single and Double Laver Potentials for Axisymmetric Problems -- Uniformly Convergent High-Order Schemes for a 2D Elliptic Reaction-Diffusion Problem with Anisotropic Coefficients -- Kantorovich Method for Solving the Multidimensional Eigenvalue and Scattering Problems of Schrödinger Equation -- A Unified Algorithm to Predict Both Compressible and Incompressible Flows -- Parameter Estimation in Size/Age Structured Population Models Using the Moving Finite Element Method --Numerical Solution of Large Non-Hermitian Eigenvalue Problem Arising from Model of Vertical Cavity Surface Emitting Laser Array -- ACO Algorithm for MKP Using Various Heuristic Information --Discretization Methods with Discrete Minimum and Maximum Property for Convection Dominated Transport in Porous Media -- Finite Difference Scheme for Filtration and Consolidation Problems -- An Algorithm for Parallel Implementations of an Eulerian Smog Model --Generating Minimal Surfaces Subject to the Plateau Problems by Finite

Element Method -- Optimal Structural Design of Biomorphic Composite Materials -- A Generalized (Meshfree) Finite Difference Discretization for Elliptic Interface Problems -- Applications of Weighted Compact Scheme to Curvilinear System -- Immersed Interface Method for a Reaction-Diffusion Equation with a Moving Own Concentrated Source -- Effectiveness Evaluation of Parallel Execution of Some Mathematical Methods -- A Numerical Approach for a Hemivariational Inequality Concerning the Dynamic Interaction between Adjacent Elastic Bodies --Parallel Performance of an MPI Solver for 3D Elasticity Problems --Unconditionally Stable Explicit Difference Schemes for the Variable Coefficients Parabolic Differential Equation (IV) -- Flexible Two-Level Parallel Implementations of a Large Air Pollution Model -- High Accuracy Difference Schemes on Unstructured Triangle Grids -- The PCD Method.