

Advances in Scientific Computing and Applications

(科学计算及应用研究进展)

Yayan Lu Weiwei Sun Tao Tang



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Preface

This volume is a collection of 39 papers presented at the *Third International Workshop on Scientific Computing and Applications* held in January 2003 at City University of Hong Kong (<http://math.cityu.edu.hk/sca03>). The first and the second workshops of the series were held at City University of Hong Kong in December 1998 and Banff, Alberta, Canada in May 2000, respectively. The aim of the workshop is to bring together mathematicians, scientists and engineers working in the field of scientific computing and its applications and to provide a forum for the participants to meet and exchange ideas in an informal atmosphere.

This year, more than one hundred people from fifteen different countries attended the four day event. The workshop includes 12 plenary talks, 7 organized mini-symposiums and many contributed talks. The papers presented at the workshop cover a wide range of topics in the field of scientific computing and its applications.

The workshop was supported by the Department of Mathematics and the Liu Bie Ju Center for Mathematical Sciences at City University of Hong Kong. The Editors wish to thank Prof. Roderick Wong, Prof. Jianzhong Zhang and Prof. Qiang Zhang for their contributions to the success of the workshop. We also received significant help from members of the scientific committee and organizers of the mini-symposiums. Special thanks must go to the K. C. Wong Education Foundation which provided financial support for participants from the mainland China. We are also grateful to the authors for their contributions and to the referees for reviewing the papers efficiently.

Hong Kong, October 2003

Yayan Lu, Weiwei Sun
City University of Hong Kong

Tao Tang
Hong Kong Baptist University

Contents

Preface	i
Periodic Solutions and Simulation for a Lagoon Model.....	
..... <i>Walter Alleghretto, Chiara Mocenni, and Antonio Vicino</i>	1
Artificial Boundary Conditions for Schrödinger-type Equations and their Numerical Approximation	
..... <i>X. Antoine and C. Besse</i>	8
Microlocal Filtering of Images with Parseval Wavelet Frames.....	
..... <i>R. Ashino, S. J. Desjardins, M. Nagase, and R. Vaillancourt</i>	22
A Lagrangian Moving Finite Element Method Incorporating Monitor Functions	
..... <i>Mike Baines, Matthew Hubbard, and Peter Jimack</i>	32
Accurate Computation of the Electromagnetic Scattering from a Cavity	
..... <i>Gang Bao and Jun Liu</i>	45
A New Algorithm for Solving the Helmholtz Equation with High Wavenumbers	
..... <i>Gang Bao, G. W. Wei, and Shan Zhao</i>	55
Splitting Methods for Partial Volterra Integro-differential Equations	
..... <i>H. Brunner, P. J. van der Houwen, and B. P. Sommeijer</i>	68
Poisson Runge-Kutta Methods for Chemical Reaction Systems.....	
..... <i>Kevin Burrage and Tianhai Tian</i>	82
An Exact Absorbing Boundary Condition for 2-D Helmholtz Equations in Layered Media	
..... <i>Wei Cai and Hongtao Yang</i>	97
Superconvergence for Elliptic Problems by Least-squares Mixed Finite Element	
..... <i>Yanping Chen</i>	104
Comparison of Some Moving Mesh Methods in Higher Dimensions	
..... <i>Shaohua Chen, Robert D. Russell, and Wentao Sun</i>	117
High-order Methods for the Simulation of Transitional to Turbulent Wakes	
..... <i>Laurent Cousin and Richard Pasquetti</i>	133
Boundary Value Methods for Computing Periodic Solutions of Conservative Systems with Application to the CR3BP	
..... <i>E. J. Doedel, D. J. Dichmann, and R. C. Paffenroth</i>	144
A Fully Discrete ADI Method for a Class of Hyperbolic Problems in Three Dimensions	
..... <i>M. Ganesh and K. Mustapha</i>	159

Analysis of an ADI Finite Difference Method for the Time-dependent Maxwell Equations in 3-D	<i>Liping Gao, Bo Zhang, and Dong Liang</i>	171
On a Stable Finite Difference Scheme for Eguchi-Oki-Matsumura Model of Phase Separation	<i>Takao Hanada, Naoyuki Ishimura, and Masaaki Nakamura</i>	181
Error Analysis of A Full Discrete Postprocessing Procedure to the Galerkin Approximation for Navier-Stokes Equations	<i>Yanren Hou</i>	189
A High Order Adaptive Algorithm for Flow Reversal Reactor Models	<i>Jinyang Huang and Chengyue Li</i>	200
Nonlinear Local Orthogonal Transformation for Acoustical Waveguide with a Curved Bottom	<i>Yuxia Huang and Jianxin Zhu</i>	209
A FETI-DP Formulation for Elliptic Problems on Nonmatching Grids	<i>Hyea Hyun Kim and Chang-Ock Lee</i>	217
Numerical Methods for a Model of Population Dynamics with Finite Life-span	<i>Mi-Young Kim</i>	229
Long Time Evolution of Two-dimensional Periodic Vortex Sheet	<i>Sun-Chul Kim, June-Yub Lee, and Sung-Ik Sohn</i>	242
Parallel Asynchronous Iteration with Arbitrary Splitting Form on SMP Cluster	<i>Kazuya Kishi and Lei Li</i>	252
Numerical Simulation of DOI Model of Polymeric Fluids	<i>Ruo Li, Chong Luo, and Pingwen Zhang</i>	258
Finite Element Methods with Weighted Basis Functions for Singular Perturbation Problems	<i>Xiang-Gui Li, C. K. Chan, and Song Wang</i>	274
A Fractional Step Method for the Unsteady Viscous/Inviscid Coupled Equations	<i>Yumin Lin and Chuanju Xu</i>	286
Surface Current Second-order Differential Equation for Wire Antennas by Using MEI Method	<i>Y. W. Liu and K. K. Mei</i>	295
Time-dependent Hermite Spectral Methods for Convection-diffusion Equations in Unbounded Domains	<i>Heping Ma, Weiwei Sun, and Tao Tang</i>	303
Computations on Relaxation Oscillation of Five Point Vortices	<i>Tatsuyuki Nakaki</i>	314

Marching Schemes for Inverse Helmholtz Problems	<i>F. Natterer</i>	321
An Accelerated Domain Decomposition Procedure for Nonconforming Primal Mixed Method For Elliptic and Parabolic Problems	<i>Jungho Park and Eun-Jae Park</i>	331
Mathematical Modeling of Environmental Pollution by the Action of Motor Transport	<i>V. A. Perminov</i>	341
The Expectation Maximization Algorithm for Aeroelastic Systems with Struc- tural Non-Linearities	<i>Cristina Adela Popescu and Yau Shu Wong</i>	347
Solving the Black-Scholes Equation by a Fitted Finite Volume Method	<i>Song Wang</i>	357
The Perturbation Theory of Truncated Weighted SVD and its Application in Regularization	<i>Yimin Wei, Wei Xu, and Michael K. Ng</i>	368
Data Mining Approach for Nonlinear Dynamic Predictions	<i>Yau Shu Wong, Ovidiu Voitcu, and Cristina Adela Popescu</i>	376
Numerical Simulation of Fluid-Solid Two-Phase Flows at Particle Level	<i>Y. H. Wu, X. Yu, and P. F. Siew</i>	388
A Moving Boundary Problem and its Applications to Land-atmosphere Interac- tions	<i>Zhenghui Xie, Hongwei Yang, and Xu Liang</i>	396
Superconvergence and Recovery Type a Posteriori Error Estimate for Constrained Convex Optimal Control Problems	<i>Ningning Yan</i>	408