

Contents

Vol. 42, No. 7, 2006

Simultaneous English language translation of the journal is available from Pleiades Publishing, Inc.
Distributed worldwide by Springer. *Differential Equations* ISSN 0012-2661.

Members of Scientific Community

Yurii Sergeevich Osipov (A Tribute in Honor of His Seventieth Birthday)	925
---	-----

Numerical Methods

A Method for Solving Boundary Value Problems and Spectral Problems for Linear Differential-Algebraic Systems <i>A. A. Abramov, V. I. Ul'yanova, and L. F. Yukhno</i>	932
Multicomponent Vector Decomposition Schemes for the Solution of Multidimensional Problems of Mathematical Physics <i>N. G. Abrashina-Zhadaeva and N. S. Romanova</i>	941
On the Accuracy of Grid Approximations to Nonsmooth Solutions of a Singularly Perturbed Reaction–Diffusion Equation in the Square <i>V. B. Andreev</i>	954
Numerical Methods for Some One-Dimensional Equations with Fractional Derivatives <i>V. M. Goloviznin and I. A. Korotkin</i>	967
Study of the Norm in Stability Problems for Nonlocal Difference Schemes <i>A. V. Gulin, N. I. Ionkin, and V. A. Morozova</i>	974
An Estimate for the Global Error of the Adams Method on Long Intervals <i>N. D. Zolotareva</i>	985
Analysis of Solution Algorithms for the Three-Dimensional Navier–Stokes Equations in the Natural Variables <i>V. V. Kolmychkov, O. S. Mazhorova, and Yu. P. Popov</i>	994
An Adaptive Upper Relaxation Method <i>A. N. Kononov</i>	1005
Error Estimates for Projection-Difference Schemes for Degenerate Nonstationary Equations <i>A. D. Lyashko and E. M. Fedotov</i>	1013
On Some Parallel Iterative Methods for Solving Elliptic Equations on Triangular Grids <i>O. Yu. Milyukova</i>	1018
Compatibility of Norms in the Analysis of Difference Schemes for the Samarskii–Ionkin Problem <i>A. Yu. Mokin</i>	1031
The Effect of Viscous Friction on Pulse Waves <i>S. I. Mukhin, N. V. Sosnin, and A. P. Favorskii</i>	1041
Stability and Accuracy of Implicit Methods for Stiff Systems of Linear Differential Equations <i>N. G. Chikurov</i>	1057
