

Contents

Vol. 53, No. 10, 2009

Simultaneous English language translation of the journal is available from Allerton Press, Inc.
Distributed worldwide by Springer. *Russian Mathematics (Iz. VUZ)* ISSN 1066-369X.

Controllability and Synthesis of Control for Nonlinear Systems <i>E. V. Voskresenskii</i> [†]	1
Distinguishability of s -Labyrinths <i>V. I. Grunskaya</i>	11
A Matrix Bernoulli Equation in the Adjoint Matrix Representation of Simple Three-Dimensional Lie Algebras <i>V. P. Derevenskii</i>	18
On the Homology Groups of Arrangements of Complex Planes of Codimension Two <i>A. V. Kazanova and Yu. V. Eliyashev</i>	28
Analogues of Recurrent Newton Formulas <i>A. A. Kytmanov</i>	34
Representation of Measurable Functions by Series in Walsh Subsystems <i>M. A. Nalbandyan</i>	45
Brief communications	
Solving the Maximum Problem for the Terminal Norm of a Linear Control System <i>N. S. Akhmedzhanova and S. N. Ushakova</i> (Submitted by V.A. Srochko)	57
C^* -Algebras Generated by Semigroups <i>S. A. Grigoryan and A. F. Salakhutdinov</i> (Submitted by A.M. Bikchentaev)	61
Polynomials with Curved Majorants on Two Segments <i>S. I. Kalmykov</i> (Submitted by F. G. Avkhadiev)	64
Mapping of a Half-Plane Onto a Polygon with Infinitely Many Vertices <i>R. B. Salimov and P. L. Shabalin</i> (Submitted by R.B. Salimov)	68
Regularization of Operator Equations with B -Symmetric and B -Positive Operators in Banach Spaces <i>P. A. Chistyakov</i> (Submitted by V. V. Vasin)	72
