

Contents

Vol. 54, No. 5, 2018

A simultaneous English language translation of this journal is available from Pleiades Publishing, Ltd.
Distributed worldwide by Springer. *Differential Equations* ISSN 0012-2661.

Ordinary Differential Equations

Estimates of the Root Functions of a One-Dimensional Schrödinger Operator with a Strong Boundary Singularity <i>D. Yu. Borodinova and L. V. Kritskov</i>	567
Strongly Invariant Subspaces of Nonautonomous Linear Periodic Systems and Solutions Whose Period Is Incommensurable with the Period of the System Itself <i>V. T. Borukhov</i>	578
Dirac Operator with a Potential of Special Form and with the Periodic Boundary Conditions <i>M. Sh. Burlutskaya and A. P. Khromov</i>	586
Estimates of Root Functions of the Adjoint of a Second-Order Differential Operator with Integral Boundary Conditions <i>I. S. Lomov</i>	596
Complete Description of the Reducibility Sets of Linear Differential Systems with Real Parameter Multiplying the Coefficient Matrix <i>P. A. Khudyakova</i>	608

Partial Differential Equations

Criterion for the Solvability of the Weighted Cauchy Problem for an Abstract Euler–Poisson–Darboux Equation <i>A. V. Glushak</i>	622
Asymptotic Behavior of Solutions of Inverse Problems for Degenerate Parabolic Equations <i>V. L. Kamynin</i>	633
Riquier–Neumann Problem for the Polyharmonic Equation in a Ball <i>V. V. Karachik</i>	648
Solvability of a Model Oblique Derivative Problem for the Heat Equation in the Zygmund Space H_1 <i>A. N. Konenkov</i>	658
Solution of Contrast Structure Type for a Parabolic Reaction–Diffusion Problem in a Medium with Discontinuous Characteristics <i>A. O. Orlov, N. T. Levashova, and N. N. Nefedov</i>	669
On Periodic Solutions of a Beam Vibration Equation <i>I. A. Rudakov</i>	687
Traces of Quantized Canonical Transformations Localized on a Finite Set of Points <i>P. A. Sipailo</i>	696
