CONTENTS

A.M. Abylayeva, A.O. Baiarystanov

Compactness criterion for fractional integration operator of infinitesimal order pp. 3-10

A.K. Bazzaev

Finite-difference schemes for diffusion equation of fractional order with third type boundary conditions in multidimensional domain pp. 11–16

Yu.N. Drozhzhinov, B.I. Zavialov

Generalized functions asymptotically homogeneous with respect to one-parametric group at origin pp. 17–35

Kh.K. Ishkin

On analytic properties of Weyl function of Sturm – Liouville operator with a decaying complex potential pp. 36–55

K.A. Kirillov, M.V. Noskov

A version of discrete Haar transform with nodes of Π_0 -grids pp. 56–62

L.M. Kozhevnikova, A.A. Leontiev

Decay of solution of anisotropic doubly nonlinear parabolic equation in unbounded domains pp. 63–82

A.G. Losev, E.A. Mazepa

On asymptotic behavior of positive solutions of some quasilinear inequalities on model Riemannian manifolds pp. 83–89

N.Kh. Mamatova, A.R. Hayotov, Kh.M. Shadimetov

Construction of optimal grid interpolation formulas in Sobolev space $\widetilde{L_2^m}(H)$ of periodic function of n variables by Sobolev method pp. 90–101

CONTENTS 135

M.M. Matyoqubov, A.B. Yakhshimuratov,

Integration of higher Korteweg-de Vries equation with a self-consistent source in class of periodic functions pp. 102-111

S.N. Mishin

On growth characteristics of operator-valued functions pp. 112-124

S.V. Khabirov

Reductions of partially invariant solutions of rank 1 defect 2 five-dimensional overalgebra of conical subalgebra pp. 125-129

Abstracts pp. 130–133

Contents pp. 134–135