

CONTENT

MATHEMATICS

Aliev B.A. <i>A boundary value problem for second order elliptic differential-operator equations with a spectral parameter and discontinuous coefficient</i>	3
Aliyev O.S., Bayramova N.Q. <i>Behavior of solutions of degenerated parabolic equations</i>	21
Akhundova E.B. <i>Representation for eigen functions of third order differential operator</i>	25
Azizov F.J., Abdurakhmanov V.A., Khalilov V.S. <i>Asymptotics of numerical characteristics of the first passage time of level by the trajectory of perturbed Markov chain</i>	33
Eroglu A., Alizadeh F.Ch. <i>Boundedness of fractional integral operators with rough kernel on generalized Morrey spaces</i>	39
Guliyev V.S. Rahimova K.R. <i>Parabolic fractional maximal operator in parabolic generalized Morrey spaces</i>	51
Hashemi M., Hashemi R. <i>On the commuting graphs of finitely generated groups</i>	67
Khalilov E.H. <i>Cubic formula for the potential of a simple layer and its normal derivative</i>	77
Mamedova F.M. <i>A Hardy type variable exponent inequality for the decreasing exponents</i>	85
Mamedov E.M. <i>On the stabilization of solutions for pseudohyperbolic equation with nonlinear boundary conditions</i>	89
Mamedov F.I., Amanov R.A. <i>On the removable singularity of solutions of nonlinear elliptic equations</i>	95
Musayev H.K. <i>A priori estimations for coercive solvability of</i>	

differential-operator equations with variable coefficients 111

Yusufov V.Sh.

Cardinal invariants and semigroups of homeomorphic mappings of topological spaces 117

APPLIED PROBLEMS OF MATHEMATICS AND MECHANICS

Guliyev H.F., Nazarova V.B.

A problem an elastic bar vibrations control 121

Seyfullayeva H.I.

Thickness optimization of an oscillating plate-like construction 129

Tagiyev H.T.

Gradient of the functional in the optimal control problem with non-local conditions for the wave equation 139