

## CONTENTS

**V.A. Glazatov, V.Zh. Sakbaev**

MEASURES ON HILBERT SPACE THAT ARE INVARIANT  
WITH RESPECT TO HAMILTONIAN FLOWS  
pp. 3–22

**R.N. Gumerov, R.L. Khazhin**

ON DIVISIBLE QUANTUM DYNAMICAL MAPPINGS  
pp. 23–36

**K.N. Zhuikov, A.Yu. Savin**

ETA-INVARIANT FOR PARAMETER-DEPENDENT FAMILIES WITH PERIODIC COEFFICIENTS  
pp. 37–57

**V.L. Leontiev**

FOURIER METHOD CONNECTED WITH ORTHOGONAL SPLINES IN PARABOLIC INITIAL  
BOUNDARY-VALUE PROBLEM FOR REGION WITH CURVILINEAR BOUNDARY  
pp. 58–69

**E.V. Lipacheva**

TRIVIAL EXTENSIONS OF SEMIGROUPS AND SEMIGROUP  $C^*$ -ALGEBRAS  
pp. 70–81

**S.V. Khabirov, T.F. Mukminov**

SIMPLE WAVES OF CONIC MOTIONS  
pp. 82–93

**S.G. Haliullin**

ULTRAPRODUCTS OF QUANTUM MECHANICAL SYSTEMS  
pp. 94–100

**Yu.Kh. Eshkabilov, D.J. Kulturaev**

ON DISCRETE SPECTRUM OF ONE TWO-PARTICLE LATTICE HAMILTONIAN  
pp. 101–111

**A.J. Mkrtchyan**

CONTINUABILITY OF MULTIPLE POWER SERIES  
INTO SECTORIAL DOMAIN BY MEANS OF INTERPOLATION OF COEFFICIENTS  
pp. 112–119

**Abstracts**

pp. 120–125

**Contents**

pp. 126–126