

C O N T E N T S

Oksana BARAN
 Some properties of twin value sets and twin element sets for
 special form of a branched continued fraction 5

Oksana HAIDUKEVYCH-RATUSHNA, Volodymyr MASLYCHENKO
 Finally continuous discontinuous functions on inductive limits .. 15

Igor GAPYAK, Viktor GERASIMENKO
 The generalized Fokker – Planck equation for the Enskog gas ... 23

Oleh HOLUBCHAK
 Operators on Hilbert spaces of analytic functions 44

Yaroslav GRUSHKA
 Primitive Changeable Sets and their Properties..... 52

Nataliia DZHALIUK, Vasył’ PETRYCHKOVYCH
 The semiscalar equivalence of polynomial matrices and the
 solution of the Sylvester matrix polynomial equations 81

Maryan DMYTRYSHYN
 Interpolation of tensor products of exponential type vectors of
 closed operators..... 89

Bohdan DOVHAN’, Andrij VUS
 CSingularities of symmetric problems of 4 pairwise interacting
 particles on line and closest neighbors interaction of closed
 chain of 4 particles on line 97

- Zhanna DOVGHEI, Vitaliy SUSHCHANSKY
- Unitriangle automorphisms of the two variable polynomial ring
over a field of characteristic $p > 0$ 108
- Bogdan ZABAVSKY, Halyna ZELISKO, Tetyana KYSIL
- On the right Bezout ring with finite stable range 124
- Andriy ZAGORODNYUK, Iryna CHERNEGA
- The multiplicative convolution on the spectra of algebras of
symmetric analytic functions 129
- Arkadii KINDYBALIUK, Mykola PRYTULA
- Power basis functions usage in finite element method for solving
advection-diffusion singular perturbed boundary value problem 140
- Andriy LOPUSHANSKY
- The regularity of abstract Cauchy problem solutions
for semi-linear parabolic equation 158
- Miroslav LUSTYK, Anatoliy PRYKARPATSKY, Mykola PRYTULA,
Myroslava VOVK
- Functional-operator analysis of the convergence problem for the
F. Calogero approximation method in Banach spaces 168
- Mariya MAHOLA, Petro FILEVYCH
- The distribution of values of random analytic functions 180
- Ihor OVCHAR, Oleh SKASKIV
- The growth in the horizontal strips entire Dirichlet series with
non-monotonous exponents 216

Andriy OLIYNYK

Free products of cyclic 2-groups in groups of infinite
unitriangular matrices 231

Bogdana OLIYNYK

Universal properties of Hamming submetrics 238

Lubomyr PETRYSHYN

Modelling of subtractive-additive methods of information form
trasformation 246

Andriy ROMANIV, Volodymyr SHCHEDRYK

The greatest common left divisor and the least common right
multiple of second order matrices 269

Aleksandr SAVCHENKO

Pairs of convex subsets in fuzzy normed spaces 285

Yuriy SYDORENKO, Oleksandr CHVARTATSKYI

Projection method and Darboux-Crum-Matveev
transformations 297

Anna SLYVKA-TYLYSHCHAK, Izabella MARINA

Justification of the Fourier method for round membrane's
vibrations with random initial conditions from Orlicz space 330

Yuri KHARKEVYCH, Inna KAL'CHUK

Approximation of (ψ, β) -differentiable functions of their
Weierstrass integrals in the integral metric 350

Sergii SHARYN	
Fourier transformation in the algebra of polynomial Schwartz tempered distributions	366
Stepan SHAKHNO, Halyna YARMOLA	
On error estimates for a two-parametric secant-type method for solving nonlinear equations	375
Bohdan SHUVAR, Anatoliy OBSHTA, Mykhailo KOPACH	
Decomposition of linear operator equations by iterative aggregation methods	387
Taras BANAKH, Bohdan BOKALO, Nadiya KOLOS	
On σ -convex subsets in spaces of scatteredly continuous functions	401
Mykola CHERNIKOV	
On factor groups of some groups	414
Contents on Language of the article's original	423
Contents in English	427