Program of the conference "Modern Methods, Problems and Applications of Operator Theory and Harmonic Analysis VIII", Rostov-on-Don, 22 - 27 April 2018

MONDAY 23.04.2018 Location: IMMCS, Michalkova 8a.			
08:30-10:00	**Registration, Hall of the IMMCS**		
10:00-13:40	**Plenary Session (a.120)**		
10:00-10:10	Opening ceremony (a.120)		
10:10-10:30	Yoshihiro Sawano	Interpolation of Morrey spaces	Chairman - Helmuth Malonek
10:35-11:05	Andrei Shkalikov	Spectral portraits and the eigenvalue dynamics of non-self-adjoint Sturm-Liouville operators (…)	
11:10-11:40	Roland Duduchava	Helmholtz equation in domains with Lipschitz boundary	
11:40-12:00	**Coffee break**		
12:00-12:30	A.Karapetyants, S.Samko	On new spaces of analytic functions of nonstandard growth	Chairman - Roland Duduchava
12:35-13:05	Michael Reissig	Fujita versus Strauss - a never ending story	
13:10-13:40	Helmuth Malonek	Harmonic analysis and combinatorics - a hypercomplex function theoretic approach	
13:45-14:00	Michael Reissig	Short communication on ISAAC by M. Reissig, ISAAC President, and ISAAC award ceremony	

14:00-14:15	Photo: Please, gather at the entrance of the building for the conference photo	
14:15-14:55	Lunch (Café "Integral", 1st floor)	
15:00-19:00	Session talks	
19:00-21:00	Welcome furshet (Café "Integral", 1st floor)	

15:00-19:00	**Session «Functional Analysis and Operator Theory» (a 211)**		
15:00-15:15	Alexander Abanin	Minimality of overfull representing systems and related problems of weighted function spaces	Chairman - Andrei Shkalikov
15:15-15:30	Alexander Abanin	Minimality of overfull representing systems and related problems of weighted function spaces	
15:30-15:45	Armen Kamalyan	Convolution type operators	
15:45-16:00	Armen Kamalyan	Convolution type operators	
16:00-16:15	Louhichi Issam	Finite Rank Commutators and Semicommutators of Quasihomogeneous Toeplitz Operators	
16:15-16:30	Louhichi Issam	Finite Rank Commutators and Semicommutators of Quasihomogeneous Toeplitz Operators	
16:30-16:45	Mustafa Muratov	Dominated ergodic theorem in symmetric sequence spaces	
16:45-17:00	**Break**		
17:00-17:15	Evgenii Berezhnoi	Estimates of Rademacher series in Morrey spaces	Chairman - Mikhail Goldman
17:15-17:30	Ekaterina Shulman	On polynomials on groups and nilpotence of nil subsets	
17:30-17:45	Yousef Abdel Rahman	Commuting Toeplitz operators on the Bergman space with bounded symbols	
17:45-18:00	Seyyed Tabatabaie	Frames Related to Locally Compact Hypergroups	
18:00-18:15	Zalina Kuvasraeva	Factorization of homogeneous disjointness preserving polynomials	
18:15-18:30	Elza Bakhtigareeva	An optimal ideal space for a cone of nonnegative generally decreasing functions	
18:30-18:45	Veronika Vladykina	Regular differential operators with involution	
18:45-19:00	Mikhail Karapetyants	Dyadic subdivision operator on a half-line, its properties and necessary and sufficient (…)	

15:00-19:00	Session «Function Theory and Approximation Theory» (a. 212)		
15:00-15:15	Hrachik Hayrapetyan	Boundary value problems with infinite index	Chairman - Adolf Mirotin
15:15-15:30	Hrachik Hayrapetyan	Boundary value problems with infinite index	
15:30-15:45	Daria Polyakova	On particular solution for differential equation of infinite order with constant coefficients	
15:45-16:00	Dmitry Gorbachev	Sharp Jakson-Nikolskii constant for nonnegative entire functions of exponential spherical type	
16:00-16:15	M. Nevskii, A. Ukhalov	On optimal interpolation by linear functions	
16:15-16:30	Dmitry Polyakov	On operators with divided spectrum	
16:30-16:45	Igor Tsarkov	Continuous sampling	
16:45-17:00	Break		
17:00-17:15	Adolf Mirotin	The Livschits-Krein trace formula in several operator variables on Banach spaces	Chairman – Hrachik Hayrapetyan
17:15-17:30	Alexander Fedotov	Solved and open problems of trigonometrical interpolation	
17:30-17:45	Dmitry Didenko	Spectral analysis of operator polynomials and differential operators of an arbitrary order	
17:45-18:00	Natalia Izvarina	On Fredholm property of G-operators associated with diffeomorphisms	
18:00-18:15	Irina Braeutigam	Spectral analysis of a fourth order differential operator with matrix coefficients	
18:15-18:30	Alexander Rybakov	Diophantine approximations to special numbers	
18:30-18:45	Maria Danshina	On asymptotic properties of some characteristics in generalized random graph	
18:45-19:00			

15:00-19:00	Session «Differential Equations and Mathematical Physics I» (a. 311)		
15:00-15:15	Tigran Harutyunyan	Some Problems of Spectral Theory	Chairman – Vyacheslav Yurko
15:15-15:30	Tigran Harutyunyan	Some Problems of Spectral Theory	
15:30-15:45	Elina Shishkina	Solution of the Cauchy problem for generalized Euler–Poisson–Darboux equation	
15:45-16:00	Elina Shishkina	Solution of the Cauchy problem for generalized Euler–Poisson–Darboux equation	
16:00-16:15	Sergei Buterin	On recovering a Sturm-Liouville integro-differential operator with discontinuity conditions	
16:15-16:30	Natalia Bondarenko	Partial inverse problem for the Sturm-Liouville operator on a graph with a cycle	
16:30-16:45	Victor Barrera-Figueroa	Numerical methods in the spectral theory of quantum graphs	
16:45-17:00	Break		
17:00-17:15	Gulden Murzabekova	Boundary Control and Inverse Problems for the Heat Equation with Memory and Loaded Masses	Chairman – Tigran Harutyunyan
17:15-17:30	Karlygash Nurtazina	Controllability and identifiability in inverse problems … on tree-graph	
17:30-17:45	Andrei Faminskii	On controllability of Korteweg-de Vries equation	
17:45-18:00	Anton Savin	On the homotophy classification of nonlocal elliptic boundary value problems	
18:00-18:15	L. Lyakhov, S. Roshchupkin	Application of integral transformation of Bessel-Kiprianov-Katrakhov in B-hyperbolic equations	
18:15-18:30	A. Vatulyan, S. Nesterov	Application of the method of algebraization in solving inverse heat conduction problems	
18:30-18:45	Pavel Sipailo	On traces of Fourier Integral operators on submanifolds	
18:45-19:00	Viktoriya Budyika	Non-Relativistic Limit of Gesztesy--{\v S}eba realizations of $2p$--Dirac operators with (…)	

15:00-19:00	Session «Differential Equations and Mathematical Physics II»» (a. 312)		
15:00-15:15	Eugeniy Radkevich	Example of nonstandard hydrodynamics	Chairman – Ioannis Stratis
15:15-15:30	Eugeniy Radkevich	Example of nonstandard hydrodynamics	
15:30-15:45	Valeriy Levenshtam	Inverse Problems and asymptotic Methods	

15:45-16:00	Valeriy Levenshtam	Inverse Problems and asymptotic Methods	
16:00-16:15	Michail Norkin	Analytical solution of the problem of free cavitation deceleration of a cylinder in a liquid …	
16:15-16:30	Ludmila Serbina	Cauchy problem with mix-typed carrier for loaded Boussinesq equation	
16:30-16:45	Vladimir Lukianenko	Some generalizations of a Carleman-type problem for a strip	
16:45-17:00		Break	
17:00-17:15	Yuliya Khazova	Parabolic problem with transformations of spatial variables on the circle	Chairman - Valeriy Levenshtam
17:15-17:30	Alexander Kovalevsky	Variational problems with implicit constraints in variable domains	
17:30-17:45	Joel Restrepo	Omega-weighted generalizations of the fractional forced oscillator and the fractional …	
17:45-18:00	Irina Konopleva	Stability branching solutions of the bifurcation problem Poincare-Andronov-Hopf	
18:00-18:15	Davron Juraev	The Cauchy problem for matrix factorizations of the Helmholtz equation in a triangular domain	
18:15-18:30	Andrey Morgulis	Homogenization of PDEs and desorientation of species due to inhomogeneity of the environment	
18:30-18:45	Mark Dorodnyi	Homogenization of a nonstationary model equation of electrodynamics	
18:45-19:00	Natalia Polyakova	Mathematical model of sedimentation of an impurity in an evaporating liquid drop	

15:00-19:00		**Session «Probability-Analytical Models and Methods» (a. 120)**	
15:00-15:15	Yuri Gliklikh	Stochastic equations and inclusions with current velocities	Chairman – Alexander Bendikov
15:15-15:30	Alla Makarova	Stochastic differential inclusions with current velocities	
15:30-15:45	Yana Belopolskaya	Stochastic models for systems of nonlinear parabolic equations	
15:45-16:00	Natalia Smorodina	A Stochastic Interpretation of the Cauchy Problem Solution for the Schrödinger Equation	
16:00-16:15	Dmitrij Klimentov	On the calculation of the curvature of a surface in terms of the characteristics of a Wiener proc.…	
16:15-16:30	Oleg Kudryavtsev	Numerical methods for pricing options under regime switching Levy models	
16:30-16:45	Mikhail Tikhov	Consistency of Robust Kernel Function Distribution Estimators in Dose-Effect Relationship	
16:45-17:00		Break	
17:00-17:15	Vasile Rodochenko	On model calibration techniques for cryptocurrency markets	Chairman – Alla Makarova
17:15-17:30	Alexander Grechko	Static hedging in pricing derivatives under processes admitting jumps	
17:30-17:45	Victor Nesterenko	Data Classification Based on Distribution Functions	
17:45-18:00	Valentina Misyura	Comparative analysis of methods for forecasting financial indices in the environment R	
18:00-18:15	Valentin Sidorenko	Structural-parametric optimization of position hydraulic drive with stochastic statement …	
18:15-18:30	Nadezda Bespalova	Stochastic accounting of export-import transactions	
18:30-18:45	Alexander Minakov	About the number of runs in hidden Markov chains	
18:45-19:00			

15:00-19:00		**Session «Bioinformatics and Mathematical Modelling» (a.215)**	
15:00-15:15	Grigory Beliavsky	Structural methods for forecasting time series	Chairman - Michael Stryukov
15:15-15:30	Nikolay Boyev	Diffraction of Ultrasonic waves by arrays of rigid inclusions in the two-dimensional elastic (…)	
15:30-15:45	Luydmila Sakharova	Fuzzy-plural analysis of the ecological state of the region on the example of the Rostov region	
15:45-16:00	Victoria Shamraeva	The operating principle of software Zond-Control measuring residual deformations (...)	
16:00-16:15	Vladimir Skorokhodov	On dynamic resources networks. The case of low resource	
16:15-16:30	Mikhail Stepovich	On one peculiarity of the mathematical model describing the interaction of the electron beam (…)	
16:30-16:45	Ivan Bogachev	On the reconstruction of the characteristics of a functional gradient disk with regard to rheology	
16:45-17:00		Break	

Time	Speaker	Title	Chairman
17:00-17:15	Boris Steinberg	Transfer of parallel alignment programs for nucleotide sequences	Chairman - Iakov Erusalimskiy
17:15-17:30	Michael Stryukov	Fuzzy-plural analysis of the ecological state of the region on the example of the Rostov region	
17:30-17:45	Konstantin Nadolin	Reduced 3D model of the natural stream in a deep and long channel with a constant viscosity	
17:45-18:00	Maxim Kadomtsev	Stochastic methods of analysis of transient signals for monitoring the condition of structures	
18:00-18:15	Gennadij Vinogradov	Modeling the truth of subjective representations in a situation of incomplete and (…)	
18:15-18:30	Evgeniy Puchkov	Structural methods of time series forecasting	
18:30-18:45			
18:45-19:00			

TUESDAY 24.04.18. Location: Congress Hall of DSTU, 6th floor, Gagarin square 1, Late registration, 08:30-09:50			
09:45-13:30	**Plenary Session (Congress Hall of DSTU, 6th floor)**		
09:50-10:20	Vagif Guliyev	Characterization of Lipschitz Functions via the Commutators of Singular and Fractional (…)	Chairman - Yoshihiro Sawano
10:25-10:55	Humberto Rafeiro	Bergman projection in non-standard analytic function spaces	
11:00-11:50	**Coffee break & Poster Session**		
11:50-12:20	Garnik Karapetyan	Boundary embedding theorems for multianisotropic spaces	Chairman - Humberto Rafeiro
12:25-12:55	Vladislav Kravchenko	On a method for solving inverse Sturm-Liouville and scattering problems	
13:00-13:30	Ioannis Stratis	The exterior Calderón operator for non-spherical objects	
13:30-14:15	Lunch (Café "Mig", 1st floor)		
14:20	Departure of the bus to the excursion. Please gather at the entrance of the café "Mig" and follow instructions		
15:00-18:00	Excursion (starts and ends at Berth № 20)		

WEDNESDAY 25.04.18. Location: IMMCS, Michalkova 8a. Late registration 09:30-10:00 at room 213.			
10:00-18:20	**Plenary Session (a.120)**		
10:00-10:30	Sergei Grudsky	Theory of solitons and Hankel operators	Chairman - Viktor Burenkov
10:35-11:05	Vladimir Rabinovich	Essential Spectra of Quantum Graphs with General Vertex Conditions	
11:10-11:40	Davit Harutyunyan	Recent mathematical progress in rigidity of thin elastic structures	
11:40-12:00	**Coffee break**		
12:00-12:30	Viktor Burenkov	Pre-compactness of sets in general Morrey-type spaces	Chairman - Elijah Liflyand
12:35-13:05	Mikhail Goldman	Optimal embeddings of generalized Bessel and Riesz potentials	
13:10-13:40	Viacheslav Yurko	Inverse problems for integral operators	
13:45-14:40	**Lunch (Café "Integral", 1st floor)**		
14:40-15:10	Katica Hedrih	Analytical dynamics of fractional type discrete system	Chairman - Igor Sheipak
15:15-15:45	Stasys Rutkauskas	On the well-posedness of a weighted boundary value problem for the systems of (…)	
15:50-16:20	Elijah Liflyand	Hausdorff operators in H^p spaces, $0<p<1$	
16:25-16:40	**Coffee break**		
16:40-17:10	Igor Sheipak	Spectral analysis of differential operator with weight from multipliers space	Chairman - Davit Harutyunyan
17:15-17:45	Hichem Ben-El-Mechaiekh	Generalized variational inequalities without convexity	
17:50-18:20	Suheil Khoury	Biorthogonality conditions for a class of BVPs and its applications to flow problems	
19:00-23:00	Banquet (Frau Martha). Departure of bus at 18:45. Please gather at the entrance of IMMCS		

THURSDAY 26.04.18. Location: IMMCS, Michalkova 8a. Late registration 09:30-10:00 at room 213			
10:00-13:30		**Plenary Session (a.120)**	
10:00-10:30	Panov Evgeniy	On decay of periodic entropy solutions to a degenerate nonlinear parabolic equation	Chairman - Stasys Rutkauskas
10:35-11:05	Gushchin Alexander	Single jump martingales and the Skorokhod embedding	
11:10-11:40	Bendikov Alexander	Aronson's theorem for non-local operators	
11:40-12:00		**Break**	
12:00-12:30	Umarkhadzhiev Salaudin	Grand Lebesgue spaces	Chairman - Bendikov Alexander
12:35-13:05	Iakov Erusalimskiy	p-reachability on oriented graphs	

13:10-14:20	Lunch (Café "Integral", 1st floor)
14:30-18:30	Session talks

14:30-18:30		**Session «Functional Analysis and Operator Theory-1» (a. 311)**	
14:30-14:45	Natalia Uskova	On similarity transformation for operators with an involution	Chairman - Vagif Guliyev
15:45-15:00	Makhmadiyor Yakhshiboev	Unilateral ball potentials on generalized Lebesgue spaces Lp(x)	
15:00-15:15	Vladimir Scherbakov	A probabilistic approach to the assessment of the reliability of the boiler equipment of (…)	
15:15-15:30	Elgun Kirimli Elcim	Gabor Frames of Heisenberg Type Locally Compact Group Extensions	
15:30-15:45	Uster Ruya	Projectivity and Injectivity of Orlicz Spaces	
15:45-16:00	Sandikci Ayse	Time-Frequency Representations of Wigner Type Operators on Lorentz Spaces	
16:00-16:15	Maria Oreshina	On a rational approximation of the functions of linear self-adjoint operator pencils	
16:15-16:30		**Break**	
16:30-16:45	Oleg Avsyankin	On the algebra of integral operators with homogeneous kernels and oscillating coefficients	Chairman - Salaudin Umarkhadzhiev
16:45-17:00	B. Vakulov, Yu. Drobotov	Two-pole potential type operators in weighted generalized Hölder spaces	
17:00-17:15	Armenak Gasparyan	Sigma-determinant inequalities for linear functionals and operators	
17:15-17:30	Larisa Kabantsova	The conditions of invertibility of differential operators of the second order	
17:30-17:45			
17:45-18:00			
18:00-18:15			
18:15-18:30			

14:30-18:30		**Session «Functional Analysis and Operator Theory-2» (a. 312)**	
14:30-14:45	Laszlo Szekelyhidi	Spherical Spectral Synthesis	Chairman -
15:45-15:00	Vladimir Stukopin	On eigenvalues of large Toeplitz matrices	
15:00-15:15	Vadim Kryakvin	A general boundary-value problem for elliptic pseudo-differential operators in (…)	
15:15-15:30	Yakub Elsaev	The Stinespring representation theorem for semi-maps on Hilbert A-modules	
15:30-15:45	Sergej Melikhov	On algebras of analytic functionals	
15:45-16:00	Olga Ivanova	On representations of algebras of analytic functionals in the spaces of entire functions	

16:00-16:15	Yulia Pashkova	Ergodic Theorems in Rearrangement Invariant Spaces	
16:15-16:30		**Break**	
16:30-16:45	Vitalii Kaplitskii	Some new results about the sizing model	Chairman – Sergej Melikhov
16:45-17:00	Alla Kalinichenko	Conditionally positive definite kernels and sesquilinear forms	
17:00-17:15	Viktoriia Kocherova	On the embedding W1, n (Ω) for domain of arbitrary measure (О вложении W1,n(Ω) для (…)	
17:15-17:30	Vladimir Deundyak	On the equation with double convolution on the descrete finite Heizenberg group	
17:30-17:45	Javanshir Hasanov	Necessary and sufficient conditions for the boundedness of commutator Riesz potentials in (…)	
17:45-18:00			
18:00-18:15			
18:15-18:30			

14:30-18:30		**Session «Differential Equations and Mathematical Physics I» (a.212)**	
14:30-14:45	Sergey Sitnik	Integral Transforms Composition Method (ITCM) for singular differential equations	Chairman - Natalia Bondarenko
15:45-15:00	Niyaz Tokmagambetov	Nonharmonic Analysis of Boundary Value Problems	
15:00-15:15	Sultan Askhabov	Nonlinear integral equations of convolution type in complex Lebesgue spaces	
15:15-15:30	Irina Morshneva	The codimension-2 bifurcations in the dynamic systems with double circle symmetry	
15:30-15:45	Irina Ostrovskaya	Stability and instability of regular vortex configurations in a two-layer rotating fluid	
15:45-16:00	Aleksandr Lyashko	On eigenfrequencies and eigenforms of rectangular orthotropic prism	
16:00-16:15	Kirill Lapin	Higher-order derivatives of Lyapunov functions and uniform Poisson boundedness	
16:15-16:30		Break	
16:30-16:45	Vitaly Kazak, Nikolai Solokhin	Infinitesimal bendings of surfaces of positive curvature	Chairman - Joel Restrepo
16:45-17:00	Andrei Boltachev	On boundary value problems for the wave equation with conditions on the entire boundary	
17:00-17:15	Abud Ahmed Hanun.	Asymptotic methods in investigation of boundary value problems of ordinary differential (…)	
17:15-17:30	Andrey Chegolin	On a class of hyperbolic analogues of Bessel potentials	
17:30-17:45			
17:45-18:00			
18:00-18:15			
18:15-18:30			

14:30-18:30		**Session «Differential Equations and Mathematical Physics II» (a. 319)**	
14:30-14:45	Sergey Postnov	Optimal control for fractional-order systems with distributed parameters: problem investigation …	Chairman - Karlygash Nurtazina
15:45-15:00	Elena Postnova	New results in the optimal control problem for fractional-order double integrator	
15:00-15:15	A. Vatulyan, V. Yurov	The analysis of forced wave motions in waveguides with variable properties	
15:15-15:30	Mezhlum Sumbatyan	Integral equation connecting stream and vorticity functions in a channel flow of viscous fluid	
15:30-15:45	Konstantin Yeletskikh	On a particular class of singular equations	
15:45-16:00	Konstantin Zhuikov	On ellipticity of noncommutative operators associated with action of metaplectic group	
16:00-16:15	Khasan Umarov	The Cauchy problem for the equation of longitudinal oscillations of an infinite rod	
16:15-16:30		Break	

16:30-16:45	M. Zhukov, E. Shiryaeva	Analogy between the PDEs and finite differences for the electrophoresis problem	Chairman - Sergey Postnov
16:45-17:00	M. Zhukov, E. Shiryaeva	Kinematic shock waves…	
17:00-17:15	Tatyana Dolgikh	Periodic in space solutions of equations for zonal electrophoresis	
17:15-17:30	Andrey Epifanov	Multistability of regimes in population models	
17:30-17:45	Mostafa Abdelhafez	Cosymmetry and modeling of anisotropic nanofluid convection in a porous medium	
17:45-18:00			
18:00-18:15			
18:15-18:30			

14:30-18:30		Session «Probability-Analytical Models and Methods» (a. 120)	
14:30-14:45	Dmitry Rokhlin	Reinforcement learning in discounted stochastic Stackelberg game	Chairman - Yuri Gliklikh
15:45-15:00	Igor Pavlov	On the concept of deformed martingales with continuous time	
15:00-15:15	Alexander Skorikov	Analytical and Discrete Approaches to Renewal Function Estimation	
15:15-15:30	Inna Tsvetkova	Interpolation martingale measures of a financial market with a countable number of outcomes …	
15:30-15:45	Mikhail Monakhov	Second Order Chebyshev-Edgeworth and Cornish-Fisher Expansions for distributions of statistics…	
15:45-16:00	Olga Marukhina	Assessment of multidimensional characteristics informativeness in the medical researches tasks	
16:00-16:15	Ekaterina Pavlova	SLA optimization for SIAM provider	
16:15-16:30		Break	
16:30-16:45	Sergey Uglich	Description of maximum points of the objective function of a quasilinear complex system …	Chairman - Inna Tsvetkova
16:45-17:00	Nadezhda Krasii	Special cases of optimization of quasilinear models with independent priorities	
17:00-17:15	Tatiana Volosatova	Finding extremums of special objective functions with dependent priorities, part 1	
17:15-17:30	Anzhelika Danekyanc	Finding extremums of special objective functions with dependent priorities, part 2	
17:30-17:45	Elena Chub	Estimation Equations of Information-measuring Complex of a Traveling Car	
17:45-18:00	Natalia Sayfutdinova	The probabilistic approach to the solution of the problem resource allocation	
18:00-18:15	Natalia Neumerzhitskaia	The multifactor experiment concept in the determination of the degree of dust slippage …	
18:15-18:30	Kirill Ryadovkin	On the one theorem about an average number of particles of a branching random walk	

14:30-18:30		Session «Hausdorff Operators and Related Topics» (a. 208)	
14:30-14:45	Volosivets Sergey	Multiple Hausdorff operators on p-adic linear space	Chairman - Elijah Liflyand
15:45-15:00	Volosivets Sergey	Multiple Hausdorff operators on p-adic linear space	
15:00-15:15	Bandaliyev Rovshan	Hausdorff operator in variable Lebesgue spaces	
15:15-15:30	Bandaliyev Rovshan	Hausdorff operator in variable Lebesgue spaces	
15:30-15:45	Burtseva Evgeniya	Generalized Hardy-type and fractional operators in Morrey-type spaces	
15:45-16:00	Chuvenkov Anatoliy	On the new grand Orlicz space generated by power functions	
16:00-16:15	Burchaev Hajdar	Inheritance of smoothness by extremal elements in Hardy classes	
16:15-16:30	Break		
16:30-16:45	Azizova Zuleyxa	Weighted Hardy type operator in Orlicz-Morrey spaces	Chairman - Elijah Liflyand
16:45-17:00			
17:00-17:15			

17:15-17:30			
17:30-17:45			
17:45-18:00			
18:00-18:15			
18:15-18:30			

Poster session (Tuesday 24 of April 11:00-11:50):

Olga Lucia Paez Beltran	On certain harmonic Bergman type spaces
Liparit Tepoyan	Degenerate differential-operator equations
Anshelika Kornuta	Dynamics of stationary structures in a parabolic problem with transformation of a spatial variable
V. Belozub, M. Kozlova	Discrete models of the choice of solutions in problems of indirect measurements
Vladimir Dudarev, Roman Mnukhin	Investigation of the oscillations of an inhomogeneous cylinder
Dmitry Plotnikov	On the integral equation in the contact problem for an inhomogeneous strip
Heghine Petrosyan	Construction of approximate solutions of regular equations in R^n
Daniil Nepryahin	A finite element method for the problem of the sedimentation in fluid flow
Svetlana Plyshevskaya	Dynamics of stationary structures in the parabolic problem on a segment
Fatima Khushtova	The first boundary value problem in a bounded domain for a differential equation with Bessel…
Irina Lysenko	Stability of the vortex N-gon in the Alfven model of two-fluid plasmas
Aleksandr Bazzaev	Numerical methods for boundary value problems for equations with fractional derivatives
Abuomar Mohammed	A computational method for solving a class of fractional non-linear singularly perturbed Volterra…
Ekaterina Syomkina	Small motions of viscoelastic fluids in a stationary container
Pyotr Ivanshin	Solution of the mixed boundary-value problem for NON-simply connected domains
Marat Ishmeev	Periodic by time solutions high-frequency asymptotic for the partial differential equation system…
Maksim Kukushkin	Asymptotic of eigenvalues for the differential operators of fractional order
Elena Shirokova	Approximate solution of Dirichlet problem for a multiply connected domain
Atallah Elshenawy	Linear spline interpolation solution for 3D Dirichlet problem in a simply connected solid …
Svetlana Kharitonova	Conformally flat C10-manifolds
Vladimir Nikolaev	On solutions of the Schwartz problem in one case
Dmitry Zakora	Maxwell's model of viscoelastic fluid
Abdulrahman Haiadr	On dynamic resources networks. The case of low resource
Al-Temimi Ammar Mudheher	Mathematical method for Automatic determination of the thresholds values for Canny algorithm in the case of medical X-Ray images
Salah Eddargani	Splines approximation theory
Olga Kirichenko	Stability of two-dimensional flows
Жумана Петрова	Перенос параллельных программ выравнивания нуклеотидных последовательностей
Elena Rusina	Stochastic analysis of economic processes management
Alhalil Nisrin Hamadekh	Differential properties of generalized potentials of Bessel type and Riesz type
Almohammad Halil Ibragim	Integral properties of generalized potentials of Bessel type and Riesz type
Hadi Roopaei	Norm of Operators on Sequence Spaces
Gulgayit Dadashova	Maximal function associated with a homogeneous function in Heisenberg groups
Javanshir Azizov	Characterizations for the commutator of fractional maximal operator in generalized Morrey spaces on Carnot groups
Abbasova Gulnare	Characterization of parabolic fractional integral operator and its commutators in parabolic generalized Orlicz-Morrey spaces
Sabina Sadigova	On a space of μ-statistical continuous functions
Mehriban Omarova	Characterizations for the nonsingular integral operator on generalized Orlicz-Morrey spaces
Pavel Ivanov	Commutants and cyclic vectors of a multidimensional Pommiez operators
Nariman Abasov	Nonlinear lattice homomorphisms in vector lattices and functional spaces