

Thursday 06.06.2019

9.00

Registration

10.30

Opening ceremony

Section: **Differential Equations and Mathematical Physics**

305 room	
Chairperson: Andrii Goriunov	
11.00 – 11.15	Soldatov V. O. On approximative properties of multipoint boundary-value problems
11.20 – 11.35	Pelekhata O., Reva N. Limit theorems for solutions of linear boundary value problems for systems of differential equations
11.40 – 11.55	Masliuk H. On the one-dimensional boundary-value problems with parameter in Slobodetskii spaces
12.00 – 12.15	Atlasiuk O. Limit theorems for solutions of multipoint boundary-value problems in Sobolev spaces
12.20 – 12.35	Yevgenieva Ye. A. Limiting profile of solutions for quasilinear parabolic equations with singular boundary data
12.40 – 12.55	Myslo Yu. Almost periodic solutions of Mackey-Glass equations with non-fixed moments of pulse action
13.00 – 14.00	Lunch time

Section: Algebra, Number Theory and Combinatorics

	208 room
	Chairperson: Oleksandr Pypka
11.00 – 11.15	Çınarcı B., Erkoç T. Derived length and character degrees
11.20 – 11.35	Bondarenko Ie. Anti-tori, plane tilings and Burnside groups
11.40 – 11.55	Williams A. Distances to lattice points in rational polyhedra
12.00 – 12.15	Chitaia I. Algebraic structures related to Q-reducibility
12.20 – 12.35	Abramov A. V. Semi-distributive nearrings with identity
12.40 – 12.55	Bovdi V., Laver V. Rota-type operators on a commutative modular group algebra
13.00 – 14.00	Lunch time

Section: Differential Equations and Mathematical Physics

	305 room
	Chairperson: Oleksandr Pokutnyi
14.00 – 14.15	Ahmed Mahdi Ahmed. Long-time behavior of solution for a nonlinear fractional integro-differential problem
14.20 – 14.35	Karakenova S. G. On solution to the special Cauchy problem for Fredholm integro-differential equations with nonlinear integral part
14.40 – 14.55	Mynbayeva S. T. Solvability of the special Cauchy problem for the system of nonlinear Fredholm integro-differential equations
15.00 – 15.15	Tokmurzin Zh. S. On the periodic problem for fourth order partial differential equations
15.20 – 15.35	Chepok O. O. Asymptotic representations of some class of solutions with slowly varying derivatives of the second order differential equations with product of rapidly and regularly varying nonlinearities
15.40 – 16.00	Coffee Break

Section: Theory of Functions and Functional Analysis

	208 room
	Chairperson: Nataliia Vasylenko
14.00 – 14.15	Kovalyov I. Shift in the truncated indefinite Stieltjes moment problem
14.20 – 14.35	Ratushniak S. Density of sets of values of fractal functions related to Q_2 -representation of real numbers
14.40 – 14.55	Klishchuk B., Salimov R. Lower bounds for the area of the image of a sphere
15.00 – 15.15	Tsyhanok O. On the summability and convergence of series in the Banach space
15.20 – 15.35	Vyhivska L. Estimates of the inner radii of symmetric non-overlapping domains
15.40 – 16.00	Coffee Break

Section: Differential Equations and Mathematical Physics

	305 room
	Chairperson: Olena Vaneeva
16.00 – 16.15	Nesterenko M. O., Pošta S. Contractions of realizations of Lie algebras
16.20 – 16.35	Zinenko V. Classification of low-dimensional Lie algebras and computation of their characteristics
16.40 – 16.55	Lokaziuk A. Nonlinear second-order evolution equations with Lie symmetries algebras of maximal dimensions
17.00 – 17.15	Satur O. The sure event problem in multi-component dynamical systems with attractive interaction
17.20 – 17.35	Martseniuk V. V., Gefter S. L., Piven' A. L. Integer solutions of implicit linear difference equations of the second order

Section: **Geometry and Topology**

	208 room
	Chairperson: Yuliia Soroka
16.00 – 16.15	Eftekharinasab K. Finslerian geodesics on Fréchet manifolds
16.20 – 16.35	Zabka M. Moduli spaces of Morse functions for persistence
16.40 – 16.55	Kuznietsova I., Soroka Yu. First Betti numbers of orbits of Morse functions on surfaces
17.00 – 17.15	von Dichter K. Asymmetric diameters

Friday 07.06.2019

Section: Theory of Functions and Functional Analysis

305 room	
Chairperson: Iryna Denega	
10.00 – 10.15	<i>Varma Serhan.</i> Orthogonality of linear combinations of orthogonal polynomials: the general case
10.20 – 10.35	<i>Sucu Sezgin.</i> Approximation results of the sequence of operators involving generalized Appell polynomials
10.40 – 10.55	<i>Bilanyk I.</i> Truncation error bounds of two-dimensional branched continued fractions of the special form in some angular domains
11.00 – 11.15	<i>Maciaszek K.</i> On polynomial extension property in n-disc
11.20 – 11.35	<i>Kirka D., Trofymenko O.</i> Application of integral transformations in uniqueness theorems
11.40 – 11.55	<i>Kuznietsov M.</i> The ordering of coexistence of homoclinic trajectories for interval maps
12.00 – 12.30	<i>Coffee Break</i>

Section: **Differential Equations and Mathematical Physics**

	208 room
	Chairperson: Igor Rainovskii
10.00 – 10.15	<i>Pokutnyi O.</i> Bounded solutions of nonlinear Lyapunov equation and homoclinic chaos
10.20 – 10.35	<i>Grushkovska V.</i> Stabilization of nonlinear systems using gradient flow approximation
10.40 – 10.55	<i>Filipkovska M. S.</i> Two combined methods for the solution of semilinear differential-algebraic equations
11.00 – 11.15	<i>Taistra Yu.</i> On the problem for one-way null Maxwell field in the Kerr space-time
11.20 – 11.35	<i>Zuev O., Novikova Yu.</i> Control functionals for stabilization of a nonlinear mechanical system with two plates
11.40 – 11.55	<i>Vasylieva I.</i> Investigation of the stability of a nonholonomic mechanical system using stochastic processes of Sussmann type
12.00 – 12.30	<i>Coffee Break</i>

12.30 – 13.00

Poster session

Section: Algebra, Number Theory and Combinatorics

	305 room
	Chairperson: Ievgen Bondarenko
14.00 – 14.15	Pypka A. A. “Antinormality” in groups
14.20 – 14.35	Raievska I. Iu., Raievska M. Iu. Finite dihedral groups as the additive groups of nearrings with identity
14.40 – 14.55	Kozerenko S. Extremal size graphs in Seidel’s switching classes
15.00 – 15.15	Yashchuk V. S. On the structure of Leibniz algebras having only two types of subalgebras
15.20 – 15.35	Krainichuk H. Classification function equations and identities of the length three
15.40 – 16.00	<i>Coffee Break</i>

Section: Geometry and Topology

	208 room
	Chairperson: Kaveh Eftekharinasab
14.00 – 14.15	Feshchenko B. Deformations of smooth functions on 2-torus
14.20 – 14.35	Karvatsky D. Geometry of representation real numbers by incomplete sums of series, whose terms are generalized Fibonacci numbers
14.40 – 14.55	Kravchenko A., Maksymenko S. Automorphisms of Kronrod-Reeb graphs of Morse functions on 2-sphere
15.00 – 15.15	Maksymenko S., Khokhlyk O. Diffeomorphism of 3 manifolds
15.40 – 16.00	<i>Coffee Break</i>

Saturday 08.06.2019

Section: **Differential Equations and Mathematical Physics**

	305 room
	Chairperson: Viktoriya Grushkovska
10.00 – 10.15	Turchyna N. On the correct solvability in Hölder spaces of growing functions of model boundary-value problems with and without initial conditions for an Eidelman parabolic system
10.20 – 10.35	Heseleva K. The collocation-iterative method of solving a nonlinear integral equation with additional conditions
10.40 – 10.55	Repetylo S., Symotiuk M. Dirichlet-Neumann type problem for partial differential equation with delay argument
11.00 – 11.15	Ilkiv V., Symotiuk M., Skovronska I. Metric estimates for the determinant of the problem for periodic oscillations of a three strings bunch
11.20 – 11.35	Raynovskyy I. Resonant three-dimensional sloshing in a cylindrical tank with damping. Steady-state solutions
11.40 – 11.55	Lahodzynskiy O. Sloshing in an orbitally-forced square-base tank

Section: **Probability and Statistics**

	401 room
	Chairperson: Kateryna Glinyanaya
10.00 – 10.15	Fomichov V. V. Concentration of measure in stochastic flows
10.20 – 10.35	Aiubova N. Boundary theorems for one statistics of the Fractional Brownian process in the model of real observations
10.40 – 10.55	Dychko H., Maiboroda R. Nonparametric regression estimation for mixtures with varying concentrations
11.00 – 11.15	Miroshnychenko V.O., Maiboroda R.E. Asymptotics of generalized least squares estimates for mixture of nonlinear regressions

305 room	<i>Closing Ceremony</i>