

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>