International Online Conference
Algebraic and Geometric Methods of Analysis
Odesa, Ukraine
May 26-30, 2020

The conference will hold in the program ZOOM
Please install it to your computer and register in the program in order to use it before the conference.
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Please pay attention that all times are shown in Kyiv time zone: UTC+03:00.
The schedule might change, so please check it regularly.

Tuesday 26, May

9:30 - 10:00 **Opening**

Morning section (**Chairman**: Sergiy Maksymenko)
10:00 - 10:40 **Alexandr Prishlyak** - *Topology of flows with collective dynamics on the sphere*
10:50 - 11:30 **Taras Banakh** - *A universal coregular countable second-countable space*
11:40 - 12:00 **Robert Wolak** - *Lefschetz duality and transverse Lefschetz duality for isometric flows*
12:10 - 12:30 **Ihor Mykytyuk** - *Ricci-flat Kahler metrics on tangent bundles of rank-one symmetric spaces of compact type*
12:40 - 13:00 **Leonid Plachta** - *Some topological obstructions for strong coloring of uniform hypergraphs*

Day section (**Chairman**: Aleksandr Savchenko)
14:00 - 14:40 **Mykhailo Zarichnyi** - *Functors and fuzzy metric spaces*
14:50 - 15:10 **Михайло Романський** - *Конус, надбудова та джойн в асимптотичних категоріях. Ліпшицева та груба еквівалентності деяких функторіальних конструкцій.*
15:30 - 15:50 **Francisco Bulnes** - *Motivic Hypercohomology Solutions in Field Theory II*
16:00 - 16:40 **Boris Apanasov** - *Hyperbolic 4-cobordisms, Teichmuller spaces and quasiregular mappings in space*
16:50 - 17:10 **Jun Ueki** - *Non-acyclic SL2-representations of twist knots and non-trivial L-invariants*
17:20 - 17:40 **Olexander Stokolos** - *Extremal polynomials in geometric complex analysis*

Wednesday 27, May

Morning section (**Chairman**: Alexandr Prishlyak)
10:00 - 10:40 **Alexander Kachurovskii** - *Fejer Sums and the von Neumann Ergodic Theorem*
10:50 - 11:20 **Sergiy Maksymenko** - *On the square of diffeomorphisms of a surface*
11:30 - 11:50 **Nataliia Luno** - *Connection problems for the generalized hypergeometric Appell polynomials*
12:00 - 12:20 **Darya Sukhorebska** - *Geodesics on regular tetrahedra in spherical space*
12:30 - 12:50 **Анна Скрябіна** - *Дослідження T_0-топологій на n-елементній множині з вагою $k \in (2^(n-2), 2^(n-1)]$*

Day section (**Chairman**: Omer Gok)
14:00 - 14:20 **Sumit Som** - *Some remarks on the metrizability of $\mathcal{F}$-metric spaces*
15:30 - 15:50 **Azam Zoyidov** - *On the group of isometries of foliated manifolds*
16:00 - 16:20 **Микола Працьовитий** - *Канторвал як множина неелементарних ланцюгових дробів*
16:30 - 17:10 **Sergey Antonyan** - *The topology of the Gromov-Hausdorff hyperspaces of Euclidean spaces*

Thursday 28, May

<u>**Morning section**</u> (**Chairman**: Enzo Bonacci)
9:30 - 10:10 **Yuri Sachkov** - *Conjugate points in sub-Riemannian problem on Cartan group*
10:20 - 10:40 **Rouzbeh Mohseni** - *Symmetries of Einstein-Weyl Manifolds with boundary*
10:50 - 11:10 **Veronika Starodub** - *Triangle conics and cubics*
11:20 - 11:40 **Omer Gok** - *A note on tensor product of Archimedean vector lattices*
11:50 - 12:10 **Nikolaj Glazunov** - *Formal groups and algebraic cobordism*
12:20 - 12:40 **Abdigappar Narmanov** - *On the geometry of submersions*

<u>**Day section**</u> (**Chairman**: Farkhod Mukhamadiev)
14:00 - 14:20 **Bogdan Feshchenko** - *Kronrod-Reeb graphs of Morse functions on 2-torus and their automorphisms*
14:30 - 14:50 **Eugene Polulyakh** - *On quotient spaces and their spaces of continuous maps*
15:00 - 15:40 **Alexey Bolsinov** - *On integrability of geodesic flows on 3-dimensional manifolds*
15:50 - 16:10 **Markiian Khylynskyi** - *Minimal topologies on semigroup of matrix units*
16:20 - 16:40 **Erdal Gül** - *Trace Regularization Problem On a Banach Space*
16:50 - 17:10 **Aleksandr Savchenko** - *Covariant functors of finite degree and unicoherent compacts*
17:20 - 18:00 **Sergey Antonyan** - *The topology of the Gromov-Hausdorff hyperspaces of Euclidean spaces*

Friday 29, May

<u>**Morning section**</u> (**Chairman**: Davron Juraev)
9:30 - 9:50 **Elena Kushner** - *Dynamics and exact solutions of linear PDEs*
10:00 - 10:20 **Dmitry Bolotov** - *Foliations of 3-manifolds with small module of mean curvature*
10:30 - 10:50 **Łukasz Michalak** - *Framed cobordism of systems of submanifolds in the classification of free quotients*
11:00 - 11:20 **Upasana Samanta** - *A short note on Hurewicz and $\mathcal{I}$-Hurewicz properties in topological spaces*
11:30 - 11:50 **Aymaz Ismail** - *Representation of gravi-electromagnetism using matrix algebra*
12:00 - 12:20 **Enzo Bonacci** - *Algebraic and geometric questions about the EM helix*
12:30 - 12:50 **Микола Працьовитий** - *Фрактальні властивості неперервних перетворень квадрата, пов'язані з двосимвольнимим системами числення*