



Program

International Conference "Geometry Days in Novosibirsk - 2017"

Wednesday, September 20



9:00-10:00	Registration (Ground floor of the Sobolev Institute of Mathematics)		
Plenary talks (conference hall)			
10:00-10:50	S.V. Matveev, <i>TBA</i> .		
10:50-11:40	G.Yu. Panina, <i>Diagonal complexes</i> .		
<i>Coffee break (20 minutes)</i>			
12:00-12:50	V.A. Sharafutdinov, <i>Orthogonality relations for a stationary flow of ideal fluid</i> .		
13:00	<i>Conference photo</i>		
<i>Lunch (100 minutes)</i>			
Sectional talks			
	Section A (Conference Hall)	Section B (room 417)	Section C (room 220)
14:30-15:00	V.V. Przyjalkowski, <i>On the Katzarkov-Kontsevich-Pantev conjectures</i> .	V.V. Slavsky, <i>The Kronrod-Reeb graph of a conformally flat spline</i> .	E.A. Fominykh, <i>On complexity of 3-manifolds</i> .
15:05-15:35	D.V. Millionshchikov, <i>Lie algebras of slow growth and hyperbolic systems of PDE</i> .	A.D. Mednykh, <i>Jacobians of circulant graphs and their generalisations</i> .	A.V. Tetenov, <i>On self-similar dendrites in the plane</i> .
<i>Coffee break (25 minutes)</i>			
16:00-16:20	D.N. Tyurin, <i>Relative Milnor K-groups and Kahler differentials</i> .	E.E. Skurikhin, <i>Sheaf cohomology and dimensions of categorical proximity spaces</i> .	A. Lightfoot, <i>Vassiliev invariants and link homotopy in dimension four</i> .
16:25-16:45	V.P. Golubyatnikov, <i>On monodromy in the Prony systems with near-colliding nodes</i> .	M.B. Karmanova, <i>On metric properties of classes of Hölder surfaces on nonholonomic structures</i> .	L.R. Nabeeva, <i>On the proof of equivalence of certain tabulated knots in the thickened Klein bottle</i> .
16:50-17:10	V.M. Gichev, <i>On submanifolds of constant width in higher codimensions</i> .	K.V. Storozhuk, <i>About fixed points of multivalued mapping: analog of Bessaga Theorem</i> .	I.K. Mai, <i>Quazoids for knotoids</i> .
17:15-17:35	E.S. Kornev, <i>Kähler and sublagrangian submanifolds</i> .	Ya.A. Kopylov, <i>Duality for Orlicz spaces of differential forms</i> .	E.S. Kudina, <i>Angles and edge lengths of a hyperbolic hexahedra with 3-symmetry</i> .



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Thursday, September 21



Plenary talks (conference hall)			
9:00-9:50	I.A. Panin, <i>Multivalued algebraic mappings.</i>		
9:50-10:40	E.A. Kudryavtseva, <i>The topology of spaces of smooth functions with specified singularities on surfaces.</i>		
<i>Coffee break (20 minutes)</i>			
11:00-11:50	S.E. Stepanov, <i>Spectral properties of the Tachibana operator on a complete Riemannian manifold.</i>		
<i>Lunch (100 minutes)</i>			
Sectional talks			
	Section A (Conference Hall)	Section B (room 417)	Section C (room 220)
13:30-14:00	V.A. Alexandrov, <i>How many times can the volume of a convex polyhedron be increased by isometric deformations?</i>	A.B. Zheglov, <i>Amazing examples of nonrational smooth spectral surfaces.</i>	V.V. Volchkov, Vit.V. Volchkov, <i>Extremal problems of integral geometry.</i>
14:05-14:35	D. Slutskiy, <i>On embeddings of non-positively curved compact surfaces in flat Lorentzian manifolds.</i>	A.P. Kopylov, <i>Quasi-isometric mappings and the p-moduli of path families.</i>	I.A. Zubareva, <i>On the Laplace spectra of some connected compact simple Lie groups of rank 4.</i>
<i>Coffee break (25 minutes)</i>			
15:00-15:20	A.G. Megrabov, <i>The geometrical aspects of the equivalence group and conservation laws for families of curves and surfaces.</i>	A.G. Kachurovskii, <i>Rates of convergence in the von Neumann ergodic theorem.</i>	A.A. Kazhymurat, <i>Lower estimates for the energy functional on a family of Hamiltonian-minimal Lagrangian tori in CP^2</i>
15:25-15:45	V.V. Aseev, <i>Coefficients of quasi-Möbius maps.</i>	A.V. Greshnov, <i>On the definition of the affine mappings in the Heisenberg group.</i>	P.D. Andreev, <i>On the similarity homogeneous R-trees.</i>
15:50-16:10	N.V. Abrosimov, <i>On geometric structures on the figure-eight knot with a bridge.</i>	A.A. Egorov, <i>Integral estimates for solutions of differential relations constructed by quasiconvex functions and null Lagrangians.</i>	D.N. Oskorbin, E.D. Rodionov, I.V. Ernst, <i>On Ricci solitons on k-symmetric Lorentzian manifolds.</i>
16:15-16:35	D.S. Rozhkov, <i>Cubed complexes and transformation groups of dimer coverings.</i>	A.V. Levichev, <i>On canonical intertwining operators in the multi-level model of quark-gluon media.</i>	V.A. Kyrov, G.G. Mikhailichenko, <i>Hypercomplex numbers in the geometry of two sets.</i>
16:40-17:00	K.G. Kamalutdinov, A.V. Tetenov, <i>On some use of general position theorem for self-similar structures.</i>		R.A. Bogdanova, V.A. Kyrov, G G. Mikhailichenko, <i>Groups of motions of some phenomenologically symmetric three-dimensional geometries.</i>



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Friday, September 22



Plenary talks (conference hall)

9:00-9:50	D.B. Kaledin, <i>Witt vectors, commutative and non-commutative.</i>
9:50-10:40	A.V. Malyutin, <i>Classifying Matveev's virtual 3-manifolds.</i>
<i>Coffee break, POSTER SESSION (30 minutes)</i>	
11:10-12:00	T.E. Panov, <i>Manifolds defined by right-angled 3-dimensional polytopes.</i>
12:00-12:50	N.A. Tyurin, <i>Manifolds of modules of special Bohr-Sommerfeld cycles for algebraic manifolds.</i>
<i>Lunch</i>	
16:30	<i>Excursion to the archaeological museum (starting at 16:00 from the Sobolev Institute of Mathematics)</i>
19:00	<i>Conference dinner</i>

List of poster presentations:

G.A. Abdikalikova, *On the finite-gap two-dimensional Schrödinger operator.*

M.S. Ermentay, *Minimal isotropic tori in CP^3 .*

G.S. Mauleshova, *One-point commuting difference operators and their connection with commuting differential operators.*

E.V. Shumakova, *Sufficient conditions for minimality of special spines with three 2-components.*



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Saturday, September 23



Plenary talks (conference hall)

10:00-10:50	V.N. Berestovsky, <i>Geodesics and curvatures of special sub-Riemannian metrics on Lie group.</i>
10:50-11:40	V.P. Ilyin, <i>Some problems and approaches of calculating geometry in mathematical modeling.</i>
<i>Coffee break (20 minutes)</i>	
12:00-12:50	I.A. Dynnikov, <i>Interval exchange transformations with integral linear restrictions on the parameters.</i>