



Program of the conference
Geometry Days in Novosibirsk – 2018
Wednesday, September 19



9:00-10:00	Registration (Ground floor of the Sobolev Institute of Mathematics)		
Plenary talks (conference hall)			
10:00-10:50	Louis Kauffman, <i>Vortex Reconnection and Concordance of Knots</i>		
10:50-11:40	Andrei Shafarevich, <i>Singular Lagrangian manifolds, corresponding to asymptotic theory of differential operators on singular spaces</i>		
<i>Coffee break (20 minutes)</i>			
12:00-12:50	Sergey Buyalo, <i>Inverse problem of Möbius geometry on circle</i>		
13:00	<i>Conference photo</i>		
<i>Lunch (100 minutes)</i>			
Sectional talks			
	Section A (Conference Hall)	Section B (NSU new building, room 4109)	Section D (room 220)
14:30-15:00	Vladimir Golubyatnikov, <i>On cycles of some dynamical systems with piecewise smooth trajectories</i>	Alexander Mednykh, <i>Algebra, Geometry and Combinatorics of Circulant Graphs</i>	Alexandr Greshnov, <i>Some topological properties of f-quasimetric spaces</i>
15:05-15:35	Alexander Zheglov, <i>Normal forms of the spectral surfaces of commuting partial differential operators</i>	Victor Aleksandrov, <i>Why there is no an existence theorem for a convex polytope with prescribed directions and perimeters of the faces?</i>	Alexander Romanov, <i>Quasimetric and measure</i>
<i>Coffee break (25 minutes)</i>			
16:00-16:20		Mikhail Ovchinnikov, <i>A generalization of the Miyazaki's global knots R and U, and its properties</i>	Maria Karmanova, <i>Minimal Graph Surface on Two-Step Carnot Groups</i>
16:25-16:45		Vuong Huu Bao, <i>On the volume of a compact hyperbolic antiprism</i>	George Sharygin, <i>Cohomological obstructions for the deformation quantization of commutative families</i>
16:50-17:10		Alexander Levichev, <i>Minimal $U(3)$-integrality and quark charges</i>	



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Thursday, September 20



Plenary talks (conference hall)			
9:00-9:50	Yuri Kordyukov, <i>Laplacians on smooth distributions</i>		
10:00-10:50	Andrei Malyyutin, <i>Atypicality of hyperbolic links</i>		
<i>Coffee break (20 minutes)</i>			
11:10-12:00	Sergey Stepanov, <i>From harmonic mappings to Ricci solitons by the Bochner technique</i>		
12:10-13:00	Alexey Tuzhilin, <i>On geometry of Gromov–Hausdorff space</i>		
<i>Lunch (100 minutes)</i>			
Sectional talks			
	Section A (Conference Hall)	Section B (NSU new building, room 4109)	Section C (room 220)
14:30-15:00	Dmitrii Millionshchikov, <i>Positively graded narrow Lie superalgebras</i>	Alexander Smirnov, <i>The type of 4-dimensional graph-manifold as a quasi-isometric invariant of its fundamental group</i>	Valerii Berestovskii, <i>On the Urysohn R-tree</i>
15:05-15:35	Victor Gichev, <i>Fluctuations of random Laplace eigenfunctions on compact isotropy irreducible homogeneous spaces</i>	Viktor Lopatkin, <i>On realizability of Gauss diagrams and construction of meanders</i>	Vladislav Aseev, <i>The generalized angles in Möbius geometry</i>
<i>Coffee break (25 minutes)</i>			
16:00-16:20	Artur Kuleshov, <i>On some effective action of $GP(n)$ on the quotient of projective frame space</i>	Vladimir Krasnov, <i>On the volume of 4-simplex in the hyperbolic space</i>	Darya Isangulova, <i>Quasiconformal analysis on the complexified Heisenberg group</i>
16:25-16:45	Victor Krym, <i>Nonholonomic Distributions in Sub-Riemannian Geometry</i>	Konstantin Gotin, <i>An analogue of Markov's theorem for doodles on a two-sphere</i>	Nikolay Romanovskii, <i>Differential equations on metric spaces</i>
16:50-17:10	Yurii Shevchenko, <i>Interpretation of classical affine connection by means Laptev affine connection</i>	Vladimir Morozov, <i>To enumeration of global knots and links</i>	



Program of the conference
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Friday, September 21



Plenary talks (conference hall)			
9:00-9:50	Efstathios Antoniou, <i>Topological surgery in cosmic phenomena</i>		
10:00-10:50	Oleg Mokhov, <i>Frobenius manifolds and geometry of submanifolds in pseudo-Euclidean spaces</i>		
<i>Coffee break (20 minutes)</i>			
11:10-12:00	Stepan Orevkov, <i>On orthogonal polynomials in 2 variables</i>		
<i>Lunch (100 minutes)</i>			
Sectional talks			
	Section A (Conference Hall)	Section D (room 417)	Section C (room 220)
13:30-14:00	Mukut Tripathi, <i>Basic inequalities for Riemannian submanifolds</i>	Vladimir Sharafutdinov, <i>Radiation transformation of symmetric tensor fields with polynomial weights</i>	Alexander Gutman, <i>Archimedean and directionally closed cones</i>
14:05-14:35	Valeriy Il'in, <i>On integrated computational environment of geometric modeling</i>	Andrei Tetenov, <i>Iterations of m-sprouts and self-similar dendrites</i>	Semen Kutateladze, <i>Nonstandard Analysis Today (on the Centennial of Abraham Robinson)</i>
<i>Coffee break (25 minutes)</i>			
15:00-15:20	Sergei Kazancev, <i>Funk-Minkowski type transforms of vector fields on the sphere S^2</i>	Mary Samuel, <i>Generalised polygonal systems and deformations of polygonal dendrites</i>	Alexander Kachurovskii, <i>Fejer sums for periodical measures and the von Neuman ergodic theorem</i>
15:25-15:45	Natal'ya Daurtseva, <i>On almost Hermitian structures on $S^2 \times S^4$</i>	Kirill Kamalutdinov, <i>General Position Theorem for Self-Similar Fractals and it's Applications</i>	Adgam Sultanov, <i>On affine transformation groups of nonprojective flat spaces</i>
15:50-16:10	Rada Bogdanova, <i>Successive embedding of the rank $(n + 1, 2)$ of dimetric phenomenologically symmetric geometries of two sets</i>	Nadezhda Chuesheva, <i>Some examples of nonuniqueness solutions for two nonlinear differential equations</i>	Anatoly Voronin, <i>The generalized Riemann boundary value problem</i>
16:15-16:35	Vladimir Kyrov, <i>Solution of the imbedding problem for Euclidean multidimensional geometries</i>	Pavel Chernikov, <i>A generalization of some geometric statements related to sensory networks</i>	Victor Chueshev, <i>Prym differentials on Riemann surfaces of finite type</i>

19:00 Conference dinner in Vkusnyi Center (prosp. Lavrentyeva, 4)



Program of the conference
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Saturday, September 22



Plenary talks (conference hall)			
9:00-9:50	Ivan Dynnikov, <i>Dynamics related to the Rauzy gasket</i>		
10:00-10:50	Roman Novikov, <i>Moutard transformations for generalized analytic functions</i>		
<i>Coffee break (20 minutes)</i>			
11:10-12:00	Vladlen Timorin, <i>Slices of the parameter space of cubic polynomials</i>		
12:10-13:00	Pedro Lopes, <i>Quandles of cyclic type with several fixed points</i>		
<i>Lunch (100 minutes)</i>			
Sectional talks			
Section C (Conference Hall)			
14:30-15:00	Anatoli Kopylov, <i>On Unique Determination of Conformal Type for Domains in Euclidean Spaces</i>		
15:05-15:35	Yaroslav Kopylov, <i>The Rao-Reiter Criterion for the Amenability of Homogeneous Spaces</i>		
<i>Coffee break (25 minutes)</i>			
16:00-16:20	Viktor Slavskii, <i>Convex analysis and the analog of the Young-Fenchel inequality for conformally flat metrics</i>		