



Program
International Conference "Geometry Days in Novosibirsk – 2015"
Wednesday, August 26



Plenary talks (conference hall)			
9:00 – 9:50	Sergei Vladimirovich Matveev, <i>Calculation of Dijkgraaf – Witten invariants over Z_2 for twice orientable Seifert manifolds</i>		
<i>Coffee break (20 minutes)</i>			
10:10 – 11:00	Vladimir Al'tafovich Sharafutdinov, <i>Killing tensor fields on the 2-torus</i>		
11:10 – 12:00	Sergei Vladimirovich Buyalo, <i>Incidence axioms for the boundary at infinity of complex hyperbolic spaces</i>		
<i>Lunch (90 minutes)</i>			
13:30 – 14:20	Miljan Knežević, <i>Some remarks to the class of HQC diffeomorphisms of the unit disk</i>		
	Section A (conference hall)	Section B (room 417)	Section C (room 344)
14:30 – 15:20	Evgenii Anatolevich Fominykh, <i>On minimal ideal triangulations of cusped hyperbolic manifolds</i>	Alexander Borisovich Zheglov, <i>Semistable sheaves on singular curves and commuting ordinary differential operators</i>	Victor Vasilevich Chueshev, <i>Differentials with matrix characters on Riemann surfaces with punctures</i>
<i>Coffee break (30 minutes)</i>			
15:50 – 16:10	Alyona Andreevna Akimova, <i>Classification of primary knots of special type in thickened torus</i>	Aleksandr Viktorovich Smirnov, <i>Quasi-isometric invariants of the fundamental group of an orthogonal graph-manifold</i>	Vladislav Vasiljevich Aseev, <i>Injective mappings transforming spheres to quasispheres</i>
16:10 – 16:30	Vladimir Viktorovich Tarkaev, <i>Relationship between homological characteristic and complexity of knot in thickened surface</i>	Adgam Yakhievich Sultanov, <i>On horizontal lifts of vector fields to Weil bundles of second order</i>	Andrei Viktorovich Tetenov, <i>On functions holding to generalized Reed-Bairaktarevich's condition</i>
16:30 – 16:50	Mikhail Alekseevich Ovchinnikov, <i>ε-TQFT-presentations of braids groups</i>	Evgenij Nikolaevich Sosov, <i>Basic metric invariants of metric spaces</i>	Kirill Glebovich Kamalutdinov, <i>On intersection of fractal curves</i>
16:50 – 17:10	Roman Anatol'evich Panenko, <i>De Rham regularization operators in Orlicz spaces of differential forms on Riemannian manifolds</i>	Artur Vladimirovich Kuleshov, <i>On internal equipment of some families of hyperflat elements in projective space</i>	Dmitry Alexeevich Vaulin, <i>Open set condition for self-similar dendrites on plane and one-side arcs</i>



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Plenary talks (conference hall)			
9:00 – 9:50	Zoran Rakić, $F_Q[M_N]$, $F_Q[GL_N]$ and $F_Q[SL_N]$ as quantize hyperalgebras		
<i>Coffee break (20 minutes)</i>			
10:10 – 11:00	Dmitry Valer'evich Talalaev, <i>Quasi-invariants of 2-knots and integrable three-dimensional statistical models</i>		
11:10 – 12:00	Atsushi Nakayashiki, <i>Character formulae of some D modules on hyperelliptic Jacobians</i>		
<i>Lunch (90 minutes)</i>			
13:30 – 14:20	Irina Alexandrovna Zubareva, <i>On sub-Riemannian distance on Lie groups SU(2) and SO(3)</i>		
	Section A (conference hall)	Section B (room 417)	Section C (room 344)
14:30 – 15:20	Alexander Valeryevich Greshnov, <i>Existence theorems in (q_1, q_2)-quasimetric spaces</i>	Vladimir Petrovich Golubyatnikov, <i>Geometry and combinatorics of phase portraits of gene networks models</i>	Andrei Evgen'evich Mironov, <i>Integrable geodesic flows on 2-torus: formal solutions and variational principle</i>
<i>Coffee break (30 minutes)</i>			
15:50 – 16:10	Aleksandr Sergeevich Romanov, <i>About continuity of Sobolev functions on hyperplanes</i>	Nataliya Alexandrovna Daurtseva, <i>Kähler structures on S^6 as sections of twistor bundle</i>	Valentina Nikolaevna Davletshina, <i>New examples of commuting ordinary differential operators of rank two</i>
16:10 – 16:30	Nikita Aleksandrovich Evseev, <i>Composition operators on weighted Sobolev spaces on a Carnot group</i>	Dmitrij Nikolaevich Oskorbin, <i>Investigation of homogeneous Ricci solitons using generalized J. Milnor's bases</i>	Sergey Vadimovich Agapov, <i>On integrable geodesic flow in magnetic field on 2-torus</i>
16:30 – 16:50	Maxim Vladimirovich Tryamkin, <i>Estimates on the of families of curves for maps with weight limits (p, q)-distortion</i>	Evgeniy Sergeevich Kornev, <i>Affinor metric structures and characteristic vector fields</i>	Bayan Talgatovna Saparbayeva, <i>On eigenfunctions of one-dimensional Schrodinger operator with polynomial potentials</i>
16:50 – 17:10	Nadejda Alexandrovna Chuesheva, <i>Several linear and nonlinear equations of high order</i>	Anna Gennad'evna Sedykh, <i>Irreducible SO(3)-structure on five dimensional Lie groups</i>	Gulnara Sainovna Mauleshova, <i>One-point commuting difference operators of rank one</i>



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Friday, August 28



Plenary talks (conference hall)		
9:00 – 9:50	Yurii Grigorievich Reshetnyak, <i>On stability in Bonnet's theorem from theory of surfaces</i>	
<i>Coffee break (20 minutes)</i>		
10:10 – 11:00	Stana Nikčević, <i>Homogeneity of Lorentzian three-manifolds with recurrent curvature</i>	
11:10 – 12:00	Alexander Aleksandrovich Kolpakov, <i>Constructing hyperbolic four-manifolds: geometry, topology and combinatorics</i>	
<i>Lunch (90 minutes)</i>		
13:30 – 14:20	Vassily Olegovich Manturov, <i>On groups G_n^k and their applications to geometry, topology and dynamical systems</i>	
Sectional talks		
Section A (conference hall)	Section B (room 417)	
14:30 – 15:20	Viktor Vladimirovich Slavsky, <i>On some properties of conformally flat Riemannian metrics of non-negative curvature</i>	Alexander Efimovich Gutman, <i>The existence problem of nonclosed Archimedean cones</i>
<i>Coffee break (30 minutes)</i>		
15:50 – 16:10	Anton Vyacheslavovich Sherstobitov, <i>How to determine by net of octahedron that its equator is flat?</i>	Vladimir Sergeevich Permikin, <i>Christian von Staudt and his work on geometry</i>
16:10 – 16:30	Liudmila Adilovna Mikaiylova, <i>Analogues of Casey's theorem in hyperbolic and spherical geometries</i>	Dmitry Vladimirovich Permikin, <i>On projective point of view at concept of absolutely rigid body</i>
16:30 – 16:50	Vladislav Vasiljevich Aseev, <i>Unique determination of three-dimensional convex polyhedral domains by relative conformal moduli of boundary condensers</i>	