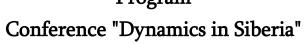
Program

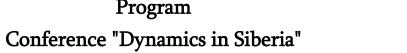




Monday, February 28			
9:00-09:50	Registration (Ground floor of the Sobolev Institute of Mathematics)		
	Plenary talks (Conference Hall of the Sobolev Institute of Mathematics)		
09:50-10:00	Opening.		
10:00-10:50	V. Kozlov. On the integrability of the equations of dynamics in a non-potential force field.		
11:00-11:50	V. Buchstaber. Noncommutative Korteweg-de Vries hierarchy and the Novikov quantum equations.		
Coffee break (20 minutes)			
12:10-13:00	S. Gorchinskiy. Gauss-Manin connection and higher local fields.		
CONFERENCE PHOTO			
Lunch (90 minutes)			

	Section talks (Monday, February 28)			
	Section A	Section B	Section C	
	(Conference Hall)	(417, Sobolev Institute of Mathematics)	(213, Sobolev Institute of Mathematics)	
14:30-15:00	N. Tyurin. Constructing lagrangian	S. Sokolov. Integrable Cases of Vortex	V. Kruglov. The Morse-Smale flows on a	
	submanifolds in algebraic varieties with toric	Dynamics.	surface with a finite number of moduli and	
	action.		their classification in sense of topological	
			conjugacy.	
15:05-15:35	V. Przhiyalkovskiy. Hodge level for weighted	V. Shubin, S. Agapov. Rational integrals of	E. Nozdrinova. E. Tsaplina. <i>Existence of a</i>	
	complete intersections.	magnetic geodesic flows on 2-surfaces.	connected characteristic space of orbits for	
			gradient-like diffeomorphisms on surfaces.	
15:40-16:10	A. Zheglov. On some questions around	V. Kibkalo. Topological properties of	M. Barinova. Energy function for 3-	
	Berest's conjecture.	integrable tops in pseudo-Euclidean space.	diffeomorphisms with basic sets of	
			codimension 1.	
		Coffee break (20 minutes)		
16:30-17:00	I. Viygin. Vector bundles and the Riemann-	S. Pustovoytov. Topological magnetic	S. Zinina. Global dynamics of regular	
	Hilbert problem on a Riemann surface.	billiard. Oriented and non-oriented cases.	topological flows on manifolds.	
17:05-17:35	A. Golota. Finite abelian subgroups in groups of	S. Vasyutkin. The operator of invariant	D. Baranov. Knot as a complete invariant of	
	birational automorphisms.	differentiation and its action on the basis of	diffeomorphisms of surfaces with three	
		the differential algebra of matrices.	periodic orbits.	
17:40-18:10	A. Vikulova. Smooth 1-Fano weighted	T. Zvonareva. Tensor train for solving the	D. Shubin. Three-dimensional non-singular	
	complete intersections.	multi-parameter optimization problem for	Morse-Smale flows with three periodic	
		the diffusion-logistic model.	orbits.	

Program





Tuesday, March 1			
Plenary talks (Conference Hall of the Sobolev Institute of Mathematics)			
10:00-10:50	D. Treschev. On isochronous dynamics.		
11:00-11:50	D. Orlov. Geometric realizations of noncommutative varieties and phantoms.		
	Coffee break (20 minutes)		
12:10-13:00	D. Kaledin. Homotopy types and higher symmetries.		
Lunch (90 minutes)			

Section talks (Tuesday, March 1)			
	Section A	Section B	Section C
	(Conference Hall)	(417, Sobolev Institute of Mathematics)	(213, Sobolev Institute of Mathematics)
14:30-15:00	M. Guzev. Heat flux structure for orstein-	Yu. Kordukov. Semiclassical trace formula	N. Denisova. On the topological classification
ļ	uhlrnbeck particles of a one-dimensiomal	for the Bochner-Schroedinger operator.	of multidimensional polar flows.
	harmonic chain.		
15:05-15:35	N. Kuznetsov. M. V. Keldysh problem on the	D. Millionshikov. N-graded Lie algebras as	A. Dobralyubova. On number of moduli for
	nonlinear analysis of flutter suppression	critical points.	non-singular flows on S^2xS^1.
	models.		
15:40-16:10	M. Shishlenin. Acoustic tomography: inverse	A. Basalaev. Berglund-Hubsch duality and	E. Chilina. On perturbations of nonhyperbolic
	problems and deep learning.	Arnold's strange duality.	automorphisms of the two-dimensional torus.
		Coffee break (20 minutes)	
16:30-17:00	O. Krivorotko. Mathematical modeling and	A. Orlov. New solvable matrix integrals.	E. Shustova. Dynamics of direct products of
	forecasting of COVID-19 in Russian		diffeomorphisms.
	Federation regions, Kazakhstan Republic and		
	UK.		
17:05-17:35	P. Akhmet'ev. On the Melikhov colored finite	C. Shramov. Cremona group over a finite	A. Morozov. Determination of the homotopy
	type invariants.	field.	type of a Morse-Smale diffeomorphism on a
			surface by heteroclinic intersection.
17:40-18:00	N. Chuesheva. On the solvability of several		
	non-linear equations of odd order.		

Program



Conference "Dynamics in Siberia"

Wednesday, March 2 (Conference Hall of the Sobolev Institute of Mathematics)		
10:00-10:50	O. Pochinka. Knot as a complete invariant of Morse-Smale diffeomorphisms on the 3-sphere.	
11:00-11:50	A. Glutsyuk. On rationally integrable planar dual and projective billiards.	
Coffee break (20 minutes)		
12:10-13:00	I. Polekhin. The Kapitza-Whitney Pendulum.	
Cultural program		

Thursday, March 3 (Conference Hall of the Sobolev Institute of Mathematics)		
10:00-10:50	A. Shafarevich. Geometric Construction and Dynamics of Lagrangian Manifolds and Complex Vector Bundles Corresponding to	
	Short-Wave Solutions of Hyperbolic Equations with Abruptly Varying Coefficients.	
11:00-11:50	A. Tsiganov. Integrable metrics with higher order invariants on the sphere, ellipsoid and plane.	
Coffee break and poster session (20 minutes)		
12:10-13:00	A. Buryak. An integrable system for the Gromov-Witten invariants of the elliptic curve.	
Cultural program		

Poster session:

G. Sharygin. About the shift of argument in universal enveloping algebra.

Friday, March 4 (Conference Hall of the Sobolev Institute of Mathematics)		
10:00-10:50	S. Dobrokhotov. Constructive asymptotic solutions of nonlinear shallow Water equations in basins with gentle shores.	
11:00-11:50	S. Bolotin. Crossing of a critical energy level in Hamiltonian systems with slow dependence on time.	
Coffee break (20 minutes)		
12:10-13:00	A. Popov. Multidimensional gravity with higher derivatives.	
Cultural program		