Conference "SIMC Youth Race"

March 13–17, 2023 Steklov Mathematical Institute of RAS, Moscow, Russia conference hall, 9 floor

March 13, Monday. Algebra, geometry, and topology

11.00-11.40	Vasilii Rozhdestvenskii. On a lower bound in the problem of realization
	of cycles
12.00-12.40	Indira Zeinikesheva. Equivariant formality of moment-angle complexes
12.50-13.30	Georgy Chernykh. SU -linear operations and c_1 -spherical bordism
	theory
15.00-15.40	Egor Teplyakov. Topological methods in condensed matter physics
15.50-16.30	Mikhail Kornev. Dynamics and Multivalued Groups
16.50-17.30	Wenhao Wang. Orders on Free Metabelian Groups (Zoom)

March 14, Tuesday. Algebraic geometry

10.10-10.50	Mikhail Ovcharenko. Dolgachev–Nikulin duality for fibers of toric
	Landau-Ginzburg models of smooth Fano 3-folds (joint work with
	A. Harder)
11.00-11.40	Dmitrii Pirozhkov. Towards homological projective duality for
	$\operatorname{Gr}(2,2n)$
12.00-12.40	Alexandra Kuznetsova. Automorphisms of families of abelian varieties
12.50-13.30	Konstantin Loginov. Regularity of Fano threefolds
15.00-15.40	Bin Wang. Higgs Bundles with Nilpotent Structures
15.50-16.30	Aleksei Golota. Finite groups acting on compact complex
	parallelizable manifolds
16.50-17.30	Andrey Soldatenkov. The mapping class group action on Teichmüller
	spaces of hyperkähler manifolds (Zoom)
17.40-18.20	Anastasia Vikulova. Birational automorphism groups of Severi–Brauer
	surfaces over the field of rational numbers
18.30-	Buffet

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March 15, Wednesday. Analysis, differential equations, number theory, and applications

11.00-11.40	Alexander Kalmynin. Distribution of values of quadratic forms
12.00-12.40	Maria Stepanova. What is CR geometry?
12.50-13.30	Elijah Lopatin. On the scalar approach to the weak asymptotics
	problem for \mathcal{GN} -systems
15.00-15.40	Irina Limonova. Dense weakly lacunary subsystems of orthogonal
	systems
15.50-16.30	Andrey Dukov. Hyperbolyc polycycles and appearing multiple limit
	cycles
16.50-17.30	Mikhail Garbuz. On the motion of a spinning heavy plate in an ideal
	fluid

March 16, Thursday. Mathematical methods for quantum technologies and probability theory

12.00-12.40	Anton Kozubov. Quantum control attack: towards joint estimation of
	protocol and hardware loopholes
12.50-13.30	Vadim Petruhanov. Optimal control of open quantum system
15.00-15.40	Vsevolod Yashin. Integrable Floquet systems related to logarithmic
	conformal field theory
15.50-16.30	Gavriil Bakai. Large Deviations for Galton-Watson branching
	processes with immigration

March 17, Friday. Theoretical physics

11.00-11.40	Maria Matushko. Anisotropic spin generalization of elliptic
	Ruijsenaars–Macdonald operators
12.00-12.40	Marina Usova. Holographic RG flows of 3d $\mathcal{N}=2$ supergravity model
12.50-13.30	Timofei Rusalev. Entanglement entropy of radiation in spherically
	symmetric black holes
15.00-15.40	Ali Hajilou. Holographic Anisotropic Model for Heavy Quarks in
	Anisotropic Hot Dense QGP: Magnetic Catalysis
15.50-16.30	Aleksandr Belokon. Operator local quenches in massive scalar field
	theory
16.50-17.30	Vasilii Pushkarev. Non-equilibrium dynamics after quenches in
	quantum field theories