Conference "Algebraic groups: the White Nights season III"

Monday 10 July 2023 - Friday 14 July 2023

Leonhard Euler International Mathematical Institute in Saint Petersburg

Programme

The conference programme Date/Time Talk Speaker 10-Jul 09:30-10:00 Opening of the conference 10:00-10:50 Horospherical variety of type G 2 Alexander Kuznetsov 10:50-11:20 Coffee break 11:20-12:10 Uniform bounded elementary generation of Chevalley groups Nikolai Vavilov 12:20-13:10 B-root subgroups on spherical varieties Roman Avdeev 13:50-15:30 Lunch 15:30-16:20 Automorphisms of the space of n × n-matrices preserving immanants Sergey Gayfullin 16:20-16:50 Coffee break 16:50-17:20 Skew Howe duality and limit shapes for Young diagrams Olga Postnova 17:25-17:55 Classification of coadjoint orbits of the unipotent radical of a Borel subgroup in a simple algebraic group of type F 4 Matvey Surkov 11-Jul 10:00-10:50 Cylinders in Fano manifolds Yuri Prokhorov 10:50-11:20 Coffee break 11:20-12:10 Narrow Lie algebras and integrable complex structures **Dmitry Millionshchikov** 12:20-13:10 Orbits and characters of unipotent groups Mikhail Ignatyev 13:50-15:30 Lunch 15:30-16:20 Cylinders on (weak) del Pezzo surfaces and flexibility of affine cones Alexander Perepechko 16:30-17:00 Finite groups acting on compact complex parallelizable manifolds Aleksei Golota 17:00-18:00 Coffee break, poster session 12-Jul 10:00-10:50 Derived varieties of nonassociative algebras Pavel Kolesnikov 10:50-11:20 Coffee break 11:20-12:10 Birational geometry of del Pezzo surfaces Konstantin Shramov 12:20-12:50 Coadjoint orbits of free nilpotent Lie algebras Alexey Petukhov 12:55-13:25 Cubic surfaces over F 2 and Jordan constant for Cremona group of rank 2 over a finite field Anastasia Vikulova 13:50-15:30 Lunch 15:30 Spare time 13-Jul 10:00-10:50 Basic cohomology of canonical holomorphic foliations on complex manifolds with torus action Taras Panov 10:50-11:20 Coffee break 11:20-12:10 Supergroup OSp(2, 2n) and super Jacobi polynomials Alexander Sergeev 12:20-13:10 On some representations of maximal parabolic subgroups in Sp(2n) Anton Fonarev 13:50-15:30 Lunch 15:30-16:20 Modified Makar-Limanov and Derksen invariants Anton Shafarevich 16:20-16:50 Coffee break 16:50-17:20 Cosheaves of Steinberg progroups

Egor Voronetsky 17:25-17:55 Representations of short SL(2)-structures Roman Stasenko 18:00-18:30 Four approaches to the enumeration of dual defective finite sets Vladislav Pokidkin 14-Jul 10:00-10:50 Non-alternating Hamiltonian Lie algebras Mikhail Kuznetsov 10:50-11:20 Coffee break 11:20-12:10 On principal G-bundles over the relative projective line Anastasia Stavrova 12:20-13:10 Varieties covered by affine spaces, uniformly rational varieties and their cones Ivan Arzhantsev 13:50-15:30 Lunch 15:30-16:20 Morava K(2)-motives and Rost invariant Viktor Petrov