

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 $n \times n$ -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 pro-
groups

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