

Mini-workshop "Algebraic groups: the White Nights season"

Monday 12 July 2021 - Friday 16 July 2021

PDMI RAS

Programme

Date/Time | Talk | Speaker

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12-Jul | |

9:00-10:00 | Registration |

10:00-10:50 | TBA | Nikolai Vavilov

10:50-11:20 | Coffee break |

11:20-12:10 | Fano varieties with interesting automorphism groups | Yuri Prokhorov

12:20-13:10 | Finite groups acting on projective varieties in positive characteristic | Constantin Shramov

13:30-15:00 | Lunch |

15:00-15:50 | On the Gröbner–Shirshov bases for vertex operator algebras | Pavel Kolesnikov

15:50-16:20 | Coffee break |

16:20-16:50 | Classification of linear maps of spaces with a scalar product | Berezhnoy Andrey

16:55-17:25 | TBA | Andrei Lavrenov

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13-Jul | |

10:00-10:50 | Positroids and quiver Grassmannians for cyclic quivers | Evgeny Feigin

10:50-11:20 | Coffee break |

11:20-12:10 | Root subgroups on affine spherical varieties | Roman Avdeev

12:20-13:10 | Rota—Baxter operators and their relations | Vsevolod Gubarev

13:30-15:00 | Lunch |

15:00-15:50 | TBA | Alexey Petukhov

15:50-16:20 | Coffee break |

16:20-16:50 | Commutative algebraic monoid structures on affine surfaces | Yulia Zaitseva

16:55-17:25 | Classification of noncommutative monoid structures on normal affine surfaces | Boris Bilich

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14-Jul | |

10:00-10:50 | Generalized R-equivalence on reductive group schemes | Anastasia Stavrova

10:50-11:20 | Coffee break |

11:20-12:10 | On the A1-fundamental group of Chevalley groups. | Sergei Sinchuk

12:20-13:10 | The automorphism group of an ind-variety of generalized flags | Mikhail Ignatev

13:30-15:00 | Lunch |

15:00-18:00 | Excursion (boat trip) |

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15-Jul | |

10:00-10:50 | Acyclicity properties for torus actions | Anton Ayzenberg

10:50-11:20 | Coffee break |

11:20-12:10 | Complex geometry of moment-angle manifolds | Taras Panov

12:20-13:10 | Algebraic-geometric properties of quantum integrable systems | Alexander Zheglov

13:30-15:00 | Lunch |

15:00-15:50 | On a construction of vector bundles on smooth projective horospherical varieties of Picard rank one | Alexander Samokhin

15:50-16:20 | Coffee break |

16:20-16:50 | On Jordan-Kronecker invariants of a pair of Lie algebra elements | Alexandra Garazha

16:55-17:25 | Some finiteness results on triangular automorphisms | Kirill Shakhmatov

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19:00-22:00 | Conference Dinner |

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16-Jul | |

10:00-10:50 | Automorphisms of affine varieties with torus actions | Sergei Gaifullin

10:50-11:20 | Coffee break |

11:20-12:10 | Isotropy of Tits construction | Victor Petrov

12:20-13:10 | Galois cohomology of connected reductive groups over \mathbb{R} | Dmitry Timashev

13:30-15:00 | Lunch |

15:00-15:50 | Tits' type alternative for groups acting on toric affine varieties | Ivan Arzhantsev

15:50-16:20 | Coffee break |

16:20-16:50 | Euler-symmetric toric varieties | Anton Shafarevich

16:55-17:25 | Short SL_2 -structures on simple Lie algebras | Roman Stasenko