

CURRICULUM VITAE

ALEKSEI GOLOTA

Personal data: Born in Rostov-on-Don, Russia, August 10, 1994.

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Education:

- 2001 – 2012 Gymnasium 52 with advanced English, Rostov-on-Don; summa cum laude.
- 2012 – 2016 Bachelor of Science, National Research University Higher School of Economics; summa cum laude.
- 2016 – January 2017 PhD student, SUNY at Stony Brook;
- 2017 – Master student, National Research University Higher School of Economics.

Positions and awards:

- Möbius Contest finalist (2015);
- Participant of the research group “Algebraic Geometry of Symplectic Manifolds”, RSF grant 14-21-00053, 2015-2016;
- Participant of the research and study group “Geometric Structures on Manifolds”, 2015-2016.

Teaching experience:

- Teaching assistant, spring semester 2014/2015, Independent University of Moscow, course on Measure Theory;
- Teaching assistant, spring semester 2015/2016, Independent University of Moscow, course on Metric Geometry;
- Teaching assistant, fall semester 2016/2017, SUNY at Stony Brook, course on Calculus A.

Papers and preprints:

- “On negativity of total k -jet curvature and ampleness of the canonical bundle”. ArXiv e-prints 1708.02866.
- “Zariski-dense entire holomorphic curves on threefolds”, in preparation.

Selected talks:

- Nori’s fundamental group scheme and geometry in positive characteristic (after I. Biswas – J.-P. dos Santos), seminar “Geometric Structures on Manifolds”, February 20, 2014;
- Holomorphic vector bundles on generic complex tori (after M. Verbitsky), seminar “Geometric Structures on Manifolds”, June 26, 2014;
- Non-Kähler counterexamples to Abundance and Iitaka conjectures (after G. T. Magnusson), seminar “Geometric Structures on Manifolds”, February 5, 2015;
- Compact Kähler manifolds with semipositive Ricci curvature (after F. Campana – J.-P. Demailly – T. Peternell), seminar “Geometric Structures on Manifolds”, April 30, 2015;
- Groups of bimeromorphic automorphisms of nonprojective hyperkähler manifolds (after K. Ogus), seminar “Geometric Structures on Manifolds”, December 17, 2015;
- Arithmeticity of fake projective plane (after B. Klingler), seminar “Automorphic Forms and their applications”, May 24, 2016;

- Towards the Green-Griffiths-Lang conjecture for complex surfaces (after F. Bogomolov, M. McQuillan, M. Brunella, Ya Deng), The Number Theory Day (student conference), September 20, 2017.

Research interests: Complex algebraic and analytic geometry; Holomorphic foliations; Birational geometry; Kobayashi hyperbolicity; positivity of vector bundles and coherent sheaves.