

CURRICULUM VITAE

Name: Kuznetsova Alexandra

Date of birth: March 5, 1995.

Citizenship: Russia

Scientific advisor: Constantin Shramov

Education: 2012 — 2016: B.S. National Research University Higher School of Economics, Moscow;
2016 — present: M.S. National Research University Higher School of Economics, Moscow.

Course thesis:

- 2016: *Endomorphisms of projective bundles* (B.S. Diploma, under the supervision of E. Amerik).
- 2017: *3-subgroups in Cremona group of rank 3* (under the supervision of C. Shramov).

Publications:

- *Endomorphisms of projective bundles over a certain class of varieties*, joint work with E. Amerik, Bulletin of the Korean Mathematical Society, 54 (2017), No. 5, pp. 1743-1-755.
- *3-subgroups in Cremona group of rank 3* — in preparation.

Talks on conferences:

3-subgroups in Cremona group, Workshop on birational geometry, HSE, November 23, 2017.

Schools and conferences:

- May 1–11, 2013: XII International School on theoretical and mathematical physics, (Sevastopol, Ukraine).
- May 1–10, 2014: XIII International School on theoretical and mathematical physics, (Dubna, Russia).
- May 19–23, 2014: Workshop on the Chow group of holomorphically symplectic manifolds, (Higher School of Economics, Moscow).
- July 25–31, 2014: The 4th Summer school “Algebra and geometry”, (Yaroslavl’, Russia).
- November 10–14, 2014: Workshop “Complex manifolds, dynamics and birational geometry” (Higher School of Economics, Moscow).
- December 1–5, 2014: Workshop “Zeta Functions 5” (Independent University, Moscow).
- May 18–22, 2015: Workshop on rationally connected varieties (Higher School of Economics, Moscow).
- July 25–31, 2015: The 5th Summer school “Algebra and geometry”, (Yaroslavl’, Russia).
- September 7–12, 2015: Workshop on Projective Algebraic Geometry (Higher School of Economics, Moscow).
- April 4–8, 2016: Spring School-Conference “Surfaces in positive characteristic” (Higher School of Economics, Moscow).
- July 25–31, 2016: The 6th Summer school “Algebra and geometry”, (Yaroslavl’, Russia).
- August 1–12, 2016: School and Workshop on Homological Methods in Algebra and Geometry (ICTP, Trieste, Italy).
- November 14–18, 2016: Workshop “Groups of birational automorphisms” (Higher School of Economics, Moscow).
- April 3–7, 2017: Spring school-conference “Birational geometry in positive characteristic” (Higher School of Economics, Moscow).

- May 29–June 2, 2017: Spring school “Positivity in Arithmetic and Geometry” (Orsay, Paris).
- July 3–8, 2017: First Summer Mathematical School on the Fontanka “Geometry 2017” (Saint-Petersburg, Russia)
- July 25–31, 2017: The 7th Summer school “Algebra and geometry” (Yaroslavl’, Russia).
- November 22–24, 2017: Workshop on birational geometry (Higher School of Economics, Moscow).

Talks on seminars:

- *Homotopy category of complexes*, XII International School on theoretical and mathematical physics, Sevastopol, May 8, 2013.
- *Beilinson theorem*, XII International School on theoretical and mathematical physics, Dubna, May 5, 2014.
- *Reider Theorem*, Seminar on geometric structures, HSE, April 23, 2015.
- *Enriques Manifolds*, Seminar on geometric structures, HSE, February 25, 2016.
- *Endomorphisms of projective bundles*, Iskovskikh Seminar, Steklov Mathematical Institute (Moscow), October 6, 2016.
- *Surfaces with surjective endomorphisms*, Seminar on geometric structures, HSE, December 1, 2016.
- *Spherical varieties*, Seminar on geometric structures, HSE, March 2, 2017.
- *About minimal model program*, Seminar on geometric structures, HSE, April 27, 2017.
- *Unirational nonrational varieties*, Iskovskikh Seminar, Steklov Mathematical Institute (Moscow), November 16, 2017.

Research interests: Algebraic geometry, Cremona group, Fano varieties, Dynamics.