

CURRICULUM VITAE

DENIS NESTEROV

Date of Birth: January 7, 1996

Citizenship: Russia

Languages: English (fluent), French (intermediate), German (intermediate), Russian (native)

Personal webpage: www.math.uni-bonn.de/people/nesterov/

Research interests:

Enumerative geometry; Moduli problems; hyper-Kähler varieties

Education:

- Ph.D. supervised by Georg Oberdieck, University of Bonn, 2019-2022
- Qualification year, University of Bonn, 2018-2019
- M2 in Mathematics supervised by Dimitri Zvonkine, Université Pierre et Marie Curie, 2017-2018
- BSc in Mathematics, Imperial College London, 2014-2017

Publications:

- D. Nesterov and G. Oberdieck, *Elliptic curves in hyper-Kähler varieties*, Int. Math. Res. Not. **2021** (2021), no. 4, 2962–2990

Preprints:

- D. Nesterov, *Quasimaps to moduli spaces of coherent sheaves on a K3 surface*, 2021
- D. Nesterov, *Quasimaps to moduli spaces of coherent sheaves*, 2021
- D. Nesterov, *Weierstrass points, Determinantal loci, Flags of Differentials and Tautological rings*, Mémoire supervised by Dimitri Zvonkine, 2018

Research talks:

- *Quasimaps to moduli spaces of coherent sheaves*, Oberwolfach, July 2020
- *Derived categories – there and back again*, Algebraic Geometry and Gromov-Witten Theory Seminar, Bonn, October 2020
- *Quasimaps: wall-crossing*, Algebraic Geometry and Gromov-Witten Theory Seminar, Bonn, January 2021
- *Quasimaps to moduli spaces of coherent sheaves*, SAG, Bonn, December 2021
- *Quasimaps to moduli spaces of sheaves*, Korea Institute for Advanced Study, December 2021

- *Quasimaps to moduli spaces of sheaves*, Institute for Advanced Study in Mathematics, Zhejiang University, December 2021

Expository talks:

- *Derived equivalences and variation of GIT*, Bonn, November 2018
- *Quantum cohomology*, Bonn, January 2020
- *Classical semi-orthogonal decompositions*, Bonn, April 2020
- *Tautological integrals over the Hilbert scheme*, Bonn, July 2020
- *Gromov-Witten theory of K3 surfaces*, Bonn, June 2021
- *The perfect obstruction theory of moduli spaces of sheaves*, Bonn, November 2021

Other academic activities:

I was a teaching assistant of the following courses taught by Georg Oberdieck in University of Bonn:

- *Topics in Enumerative Geometry*, 2019;
- *Intersection theory*, 2019;
- *Algebraic stacks*, 2020;
- *Gromov-Witten theory of hyper-Kähler varieties*, 2021.

I organised a students' seminar "*The Geometry of Derived Categories*" in Ecole Normale Supérieure, Paris, 2017-2018.

With Thorsten Beckmann I wrote an *Oberwolfach report* of the meeting "*Algebraic Geometry: Moduli Spaces, Birational Geometry and Derived Aspects*", Oberwolfach, 2020.

Honours:

- *FSMP scholarship*, PGSM program, Université Pierre et Marie Curie, 2017-2018
- *The Ken Allen Prize* for academic excellence, Imperial College London, 2017
- *G-Research Prize in Mathematics* for academic excellence, Imperial College London, 2016

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