

Artem Prikhodko

Curriculum vitæ

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Education

- 2015–2020 **PhD student in Mathematics**, *NRU Higher School of Economics, Moscow*.
My advisor was prof. Chris Brav.
- 2019 **Specialist in Mathematics**, *Independent University of Moscow*.
- 2014 **Master of Applied Mathematics and Computer Science**, *Moscow State University*.
- 2010 **Bachelor of Computer Science and Computer Engineering**, *National Research University of Electronic Technology, Zelenograd*.

Papers and preprints

- 2022 **Rational p -adic Hodge theory for d -de Rham-proper stacks**.
Available at arxiv.org/abs/2211.17227. Last update: 2022, November.
- 2021 **p -adic Hodge theory for Artin stacks**.
Available at arxiv.org/abs/2105.05319. Last update: 2021, May.
- 2019 **Hodge-to-de Rham degeneration for stacks**.
Available at arxiv.org/abs/1910.12665. Accepted to International Mathematics Research Notices, 2021. Last update: 2021, April.
- 2019 **Equivariant Grothendieck–Riemann–Roch theorem via formal deformation theory**.
Available at arxiv.org/abs/1906.00172. Cambridge Journal of Mathematics, 9(4), 2021, 809–899. Last update: 2019, June.
- 2016 **Categorical proof of Holomorphic Atiyah–Bott formula**.
Available at arxiv.org/abs/1607.06345, Journal of the Institute of Mathematics of Jussieu, 19(5), 2020, 1739–1763. Last update: 2018, November.

Teaching

Graduate

- Fall 2019–
Spring 2020 **Organizer of the seminar Introduction to automorphic forms and Galois representations**, *Center for Advanced Studies at Skoltech, NRU Higher School of Economics*.
- Fall 2018–
Spring 2019 **Co-organizer of the seminar on Chromatic Homotopy Theory**, *Center for Advanced Studies at Skoltech, NRU Higher School of Economics*.
- Fall 2017–
Spring 2018 **Co-organizer of the seminar on p -adic Hodge theory and Topological Hochschild Homology**, *Center for Advanced Studies at Skoltech, Independent University of Moscow*.
- Spring 2017 **Co-organizer of the seminar Topics in Derived Algebraic Geometry**, *NRU Higher School of Economics*.
- Fall 2016 **Co-organizer of the seminar on Equivariant Homotopy Theory and Kervaire Invariant One problem**, *Independent University of Moscow*.
- Fall 2015 **Co-organizer of the seminar on Topological Modular Forms**, *Independent University of Moscow*.
- Fall 2014–
Spring 2015 **Teaching Assistant at Derived Algebraic Geometry seminar under prof. Chris Brav**, *NRU Higher School of Economics*.

Undergraduate

- Fall 2019 **Head teaching assistant at Algebra III**, *Independent University of Moscow*.
- Fall 2018–
Spring 2019 **Teaching assistant at Algebra I and II**, *Independent University of Moscow*.

Employment

- 2022–Now **Postdoc (Senior Research Scientist)**, *Skoltech’s Center for Advanced Studies*.

- 2020-Now **Junior Researcher**, *International laboratory of Mirror Symmetry and Automorphic Forms*.
2017-2019 **Research Assistant**, *International laboratory of Mirror Symmetry and Automorphic Forms*.
2017-2019 **Tutor**, *Math in Moscow program of Independent University of Moscow*.
2015-Present **Research Intern**, *Independent University of Moscow*.
2012–2014 **Software Developer**, YANDEX INC., Moscow.
My primary responsibility was to develop and maintain storage software for the Yandex e-mail service.

Selected research talks

- June 2020 **The Deligne–Illusie method for Artin stacks**, *Conference ‘D-brane categories and mirror symmetry’, Peking University*.
December 2019 **Higher traces and trace formulas**, *Seminar ‘Algebro-geometric methods in integrable systems and quantum physics’, MIPT*.
May 2018 **p -adic Hodge theory for cohomologically proper stacks**, *Moscow–St. Petersburg algebraic geometry symposium for young mathematicians*.

Awards

- 2020 **RF government grant for young doctors 30.2020.1 (co-executor)**.
2019 **Simons Stipend for Students and Graduate Students**.