Artem Kotelskiy
Curriculum Vitae

Indiana University
Math dept, 831 E 3rd Street
Bloomington, IN, 47405

email: artofkot@iu.edu
homepage: artofkot.github.io

EMPLOYMENT

- **Indiana University**, Bloomington, USA.   2018 – present
  Zorn postdoctoral fellow.

EDUCATION

- **Princeton University**, Princeton, USA.   2013 – 2018
  Ph.D. in Mathematics. Advisor: Zoltán Szabó.

- **Lomonosov Moscow State University**, Moscow, Russia.   2008 – 2013
  B.S. and M.S. in Mathematics. GPA 4.97/5.00.
  Advisor: Taras Panov.

PUBLICATIONS AND PREPRINTS

- **A mnemonic for the Lipshitz-Ozsváth-Thurston correspondence.**   2020
  Submitted. arXiv:2005.02792

- **Khovanov invariants via Fukaya categories: the tangle invariants agree.** 2020
  Submitted. arXiv:2004.01619

- **Immersed curves in Khovanov homology.**   2019
  Submitted. arXiv:1910.14584

- **Bordered theory for pillowcase homology.**   2019
  Mathematical Research Letters **26**, no. 5, 1467-1516.
  arXiv:1707.07481

- **Comparing homological invariants for mapping classes of surfaces.**   2017
  To appear in Michigan Mathematical Journal. arXiv:1702.04071

- **Minimal and Hamiltonian-minimal submanifolds in toric geometry.** Master thesis.   2016
  Journal of Symplectic Geometry **14**, no. 2, 431-448.
  arXiv:1307.8140

CONFERENCE AND WORKSHOP TALKS

- **CRM's 50th anniversary workshop "Low-dimensional topology".**   September 2019
  CIRGET, Montréal, Canada.

- **Tehran Topology 2018.**   June 2018
  School of Mathematics, IPM, Tehran, Iran.

- **International Seminar on Toric Topology and Homotopy Theory.**   June 2018
  Steklov Mathematical Institute, Moscow, Russia.

- **Perspectives on bordered Heegaard Floer theory.**   May 2018
  CIRGET, Montréal, Canada.

Seminar talks

- **Trends in Low-Dimensional Topology**, virtual seminar. — May 2020
- **University of British Columbia**, online via zoom. — May 2020
  Topology Seminar.
- **Caltech**, online via zoom. — April 2020
  Joint LA Topology Seminar.
- **Columbia University**, New York, USA. — December 2019
  Topology Seminar.
- **Princeton University**, Princeton, USA. — December 2019
  Topology Seminar.
- **Dartmouth College**, Hanover, USA. — March 2019
  Topology Seminar.
- **Michigan State University**, Lansing, USA. — October 2018
  Topology Seminar.
- **University of British Columbia**, Vancouver, Canada. — September 2018
  Topology Seminar.
- **University of Georgia**, Athens, USA. — August 2018
  Topology Seminar.
- **Indiana University**, Bloomington, USA. — January 2018
  Topology Seminar.
- **Caltech**, Pasadena, USA. — November 2017
  Geometry and Topology Seminar.
- **Rutgers University**, New Brunswick, USA. — November 2017
  Geometry and Topology Seminar.
- **Columbia University**, New York, USA. — November 2017
  Symplectic Geometry, Gauge Theory, and Categorification Seminar.
- **MIT**, Cambridge, USA. — October 2017
  Geometry and Topology Seminar.
- **Stony Brook University**, Stony Brook, USA. — September 2017
  Topology and Symplectic Geometry / Math of Gauge Fields seminar.

Teaching and Work experience

- **Linear Algebra and Applications**, Indiana University. — Spring 2020
  One 50 students section.
- **Calculus I**, Indiana University. — Fall 2019
  Two 60 students sections.
- **Brief Survey of Calculus**, Indiana University. — Spring 2019
  One 75 students section.
- **Brief Survey of Calculus**, Indiana University. — Fall 2018
  Two sections, 75 students each.
- **Linear algebra with applications**, Princeton University. — Fall 2015
  One 25 students section.
- **Review sessions for linear algebra and calculus**, Princeton University. — 2016 – 2017
- **Online math-education platform Evarist,** side project. — 2015 – present
  www.evarist.org/course/mathan/
  We teach there analysis with proofs exclusively through problem solving.

Awards and honors

- **AMS Simons travel grant**   2019
- **Graduate student teaching award**, Princeton University.   2017
  In recognition of outstanding teaching.
- **32nd Russian national mathematical Olympiad**, 3rd prize.   2008
- **Moscow Mathematical Olympiad**, 1st and 2nd prizes.   2006, 2008
  Also special prize for a beautiful geometric solution in 2006.
- **President prize from the government of Russia**, for extraordinary achievements.   2006, 2008

Miscellaneous

- **Languages:** English, Russian, Armenian.
- **Programming skills:** web (built www.evarist.org), python.
  www.github.com/artofkot
- **Interests:** blockchain, Ethereum, game go (2dan), chess, volleyball, table tennis.