

# Artem Kotelskiy

*Curriculum Vitae*

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## EMPLOYMENT

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

## EDUCATION

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

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- **Bordered Invariants in Low-dimensional Topology.** PhD thesis. 2018  
<http://arks.princeton.edu/ark:/88435/dsp01f7623g284>
- **Bordered theory for pillowcase homology.** 2017  
Accepted for publication in Mathematical Research Letters.  
arxiv:1707.07481
- **Comparing homological invariants for mapping classes of surfaces.** 2017  
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 TALKS

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- **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

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- **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

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- **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
- **Review sessions for linear algebra and calculus**, Princeton University. 2016 – 2017
- **Online education platform evarist.org**, side project. 2015 – present  
We teach there analysis with proofs exclusively through problem solving.  
We also have a lecture series in cosmology.

#### AWARDS AND HONORS

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- **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

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- **Languages:** English, Russian, Armenian.
- **Programming skills:** web (built [www.evarist.org](http://www.evarist.org)), python.  
[www.github.com/artofkot](https://www.github.com/artofkot)
- **Tests:** GRE subject math 880/900, 94th percentile. TOEFL 107/120.
- **Interests:** blockchain, cryptoeconomics, decentralized applications,  
game go (2dan), chess, volleyball, table tennis.