Artem Kotelskiy

 $Curriculum\ Vitae$

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2021 – present
2018 - 2021
2013 - 2018
2008 - 2013
2019-2022
2017
2008
2006, 2008
2006, 2008
2021
2019
2017
2013

Preprints

FREPRINTS		
• Thin links and Conway spheres. Joint with L. Watson and C. Zibrowius. arXiv:2105.06308 (82 pages)	2021	
• The correspondence induced on the pillowcase by the earring tangle. Joint with G. Cazassus, C. Herald and P. Kirk. arXiv:2010.04320 (57 pages)	2020	
• A mnemonic for the Lipshitz-Ozsváth-Thurston correspondence. Joint with L. Watson and C. Zibrowius. arXiv:2005.02792 (13 pages)	2020	
• Khovanov invariants via Fukaya categories: the tangle invariants agree. Joint with L. Watson and C. Zibrowius. arXiv:2004.01619 (14 pages)	2020	
• Immersed curves in Khovanov homology. Joint with L. Watson and C. Zibrowius. arXiv:1910.14584 (95 pages)	2019	
CONFERENCE AND WORKSHOP TALKS		
• Perspectives on quantum link homology theories. University of Regensburg, Germany, virtual.	August 2021	
• Gauge Theory, Geometry, and Low-Dimensional Topology. AMS special session, virtual.	March 2021	
• Topology and Geometry of 3- and 4-manifolds. AMS special session, virtual.	March 2021	
• Topology and geometry of group actions. HSE, Moscow, Russia, virtual.	November 2020	
• Interactions of gauge theory with contact and symplectic topology in dimensions 3 and 4. BIRS workshop, virtual.	June 2020	
 CRM's 50th anniversary workshop "Low-dimensional topology". CIRGET, Montréal, Canada. 	September 2019	
• Tehran Topology 2018. School of Mathematics, IPM, Tehran, Iran.	June 2018	
• International Seminar on Toric Topology and Homotopy Theory. Steklov Mathematical Institute, Moscow, Russia.	June 2018	
• Perspectives on bordered Heegaard Floer theory. CIRGET, Montréal, Canada.	May 2018	
Service		
• Co-organizer of Topology Seminar, Indiana University.	2018-2020	
• Co-organizer of the math department Colloquium, Indiana University.	2019-2020	
• Co-organizer of graduate student Seminar in Symplectic Geometry, Indiana University.	2018-2019	
• Referee for mathematical journals. Journal of Topology, Algebraic and Geometric Topology, Proceedings of the London Mathematical Society, Proceedings of the Royal Society of Edinburgh, Indiana University Mathematics Journal, The Open Book Series.	2018-present	

SEMINAR TALKS

SEMINAR TALKS	
• Caltech, Pasadena, USA. Geometry and Topology Seminar, virtual.	May 2021
• UC San Diego, San Diego, USA. Topology Seminar, virtual.	April 2021
• UC Berkeley, Berkeley, USA. Topology Seminar, virtual.	April 2021
• Virtual Seminar on Gauge Theory	March 2021
• Princeton University, Princeton, USA. Topology Seminar, virtual.	November 2020
• Indiana University, Bloomington, USA. Colloquium, virtual.	November 2020
• Western Hemisphere Virtual Symplectic Seminar	October 2020
• Trends in Low-Dimensional Topology, virtual.	May 2020
• University of British Columbia, Vancouver, Canada. Topology Seminar, virtual.	May 2020
• Caltech, Pasadena, USA. Joint LA Topology Seminar, virtual.	April 2020
• Columbia University, New York, USA. Topology Seminar.	December 2019
• Princeton University, Princeton, USA. Topology Seminar.	December 2019
• Dartmouth College, Hanover, USA. Topology Seminar.	March 2019
• Michigan State University, Lansing, USA. Topology Seminar.	October 2018
• University of British Columbia, Vancouver, Canada. Topology Seminar.	September 2018
• University of Georgia, Athens, USA. Topology Seminar.	August 2018
• Indiana University, Bloomington, USA. Topology Seminar.	January 2018
• Caltech, Pasadena, USA. Geometry and Topology Seminar.	November 2017
• Rutgers University, New Brunswick, USA. Geometry and Topology Seminar.	November 2017
• Columbia University, New York, USA. Symplectic Geometry, Gauge Theory, and Categorification Seminar.	November 2017
• MIT, Cambridge, USA. Geometry and Topology Seminar.	October 2017
• Stony Brook University, Stony Brook, USA. Topology and Symplectic Geometry / Math of Gauge Fields seminar.	September 2017

TEACHING AND WORK EXPERIENCE

• Logic, Language and Proof, Stony Brook University. One 15 students section.	Fall 2021
• Modern techniques in knot theory, Indiana University. Graduate course, fully online.	Spring 2021
• Calculus I, Indiana University. Two 60 students sections, fully online.	Fall 2020
• Linear Algebra and Applications, Indiana University. One 50 students section.	Spring 2020
• Calculus I, Indiana University. Two 60 students sections.	Fall 2019
• Brief Survey of Calculus, Indiana University. One 75 students section.	Spring 2019
• Brief Survey of Calculus, Indiana University. Two 75 students sections.	Fall 2018
• Linear Algebra with Applications, Princeton University. One 25 students section.	Fall 2015
• Review sessions for Linear Algebra and Calculus, Princeton University.	2016 - 2017
• Online math-education platform Evarist, side project. www.evarist.org/course/mathan/ We teach there analysis with proofs exclusively through problem solving.	2015 – present

MISCELLANEOUS

- Languages: English, Russian, Armenian.
- Programming skills: web and python.
 - Built an online platform for learning math; source code.
 - Implemented a python package to work with type DA bimodules.
- \bullet $\mathbf{Interests:}$ blockchain, Ethereum, game go (2dan), chess, volleyball, table tennis.