

Adam Saltz

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RESEARCH INTERESTS

Low-dimensional topology
Interactions between Khovanov homology and Floer homology
Contact topology and transverse links

EMPLOYMENT

2016 – Present University of Georgia
Assistant Professor (limited-term), Mathematics
Supervised by David Gay.

EDUCATION

2016 **Boston College**, Chestnut Hill, MA
Ph.D. in Mathematics
Advisor: John Baldwin

2010 **Johns Hopkins University** (JHU), Baltimore, MD
Master of Arts in Mathematics and Bachelor of Arts in Mathematics, May 2010

PUBLICATIONS

An annular refinement of the transverse invariant in Khovanov homology
With Diana Hubbard. *Algebraic & Geometric Topology*. 16-4 (2016), 2305-2324.
DOI 10.2140/agt.2016.16.2305
[arxiv:1507.06263](https://arxiv.org/abs/1507.06263) [[math.GT](https://arxiv.org/archive/math)]

Branched diagrams and the Ozsváth-Szabó spectral sequence.
arxiv preprint, [arxiv:1510.02819](https://arxiv.org/abs/1510.02819) [[math.GT](https://arxiv.org/archive/math)]

Szabó's perturbation of Khovanov homology is functorial (with John Baldwin and Cotton Seed)
In preparation.

Bridge trisections of knotted surfaces and Khovanov homology.
In preparation.

INVITED TALKS

2016 Georgia Institute of Technology, topology seminar
AMS Western sectional meeting, special session on “Floer-theoretic invariants of knots and three-manifolds”, University of Denver

AMS Southeastern sectional meeting, special session on “Low-dimensional topology and geometry”, University of Georgia.

AMS Graduate Student Conference in Geometry and Topology, Brown University.

2015 Louisiana State University, topology seminar.

CONFERENCE TALKS

2016 Advances in Quantum and Low-Dimensional Topology, University of Iowa.

2015 Moab Topology Conference, Utah State University.

Graduate Student Conference in Geometry and Topology, Temple University.

HONORS AND AWARDS

2013 Donald J. White Teaching Excellence Award

DEPARTMENT SERVICE

2013 – 2016 Representative to the Graduate Arts & Sciences Association at BC

2012 – 2015 Organizer of Graduate Student “Floer-ish” seminar

President of BC’s Mathematics Graduate Student Association and American Mathematical Society student chapter

DEPARTMENT TALKS

2016 UGA topology seminar

2011 – 2016 Graduate student cookie seminar

2013 – 2016 Graduate “Floer-ish” seminar

2015 Boston College Schoenflies seminar

2014 Boston College Quantum Groups seminar

TEACHING

As course instructor:

Differential Geometry of Curves and Surfaces (Spring 2017)

Calculus I (Fall 2012 – 2014, Fall 2016)

Finite Probability (Fall 2015)

Boston College Math Experience (Summer 2014, course for high school students)

Calculus II (Spring 2013 – 2015)

As a teaching assistant:

Calculus I (Fall 2011)

Calculus II (Spring 2012, Spring 2010)

Linear algebra (Spring 2010)

Pre-calculus (Fall 2009)