

James Conway

Department of Mathematics
 University of California, Berkeley
 970 Evans Hall #3840
 Berkeley, CA 94720 USA

conway@berkeley.edu
<http://math.berkeley.edu/~conway>
 Office: 933 Evans Hall

Appointments

RTG Postdoc 2016-2019
 University of California, Berkeley

Education

PhD in Mathematics 2010-2016
 Georgia Institute of Technology

Master of Mathematics 2009-2010
 University of Cambridge, Graduated with Distinction

BA in Mathematics 2006-2009
 University of Cambridge, Graduated with a First

Awards

Finalist for CETL/BP Outstanding TA Award, Georgia Institute of Technology 2014

Presidential Scholar, Georgia Institute of Technology 2010-2014

Publications

Contact Surgeries on the Legendrian Figure-Eight Knot arXiv:1610.03943
 to appear in *Journal of Symplectic Geometry* **17** (2019), no. 4

Transverse Surgery on Knots in Contact 3-Manifolds arXiv:1409.7077
 to appear in *Transactions of the AMS* (= sections 1-5 of linked arXiv article)

Planar Contact Manifolds with Vanishing Heegaard Floer Contact Invariants
 with Amey Kaloti and Dheeraj Kulkarni, *Topology and its Applications* **212** (2016), 19–28

Submitted Articles

Mazur-type manifolds with L -space boundary arXiv:1807.08880
 with Bülent Tosun

Symplectic fillings, contact surgeries, and Lagrangian disks arXiv:1712.07287
 with John Etnyre and Bülent Tosun

Tight Contact Structures via Admissible Transverse Surgery arXiv:1508.00525

Overtwisted Positive Contact Surgeries arXiv:1409.7077
 (= section 6 of linked arXiv article)

Articles in Preparation

Contact surgery and symplectic caps
with John Etnyre

Classification of Tight Contact Structures on Surgeries on the Figure-Eight Knot
with Hyunki Min

Teaching

Instructor of Record , UC Berkeley	2016-2019
The Classical Geometries (Fall 2016, Fall 2017, Spring 2019), Introduction to Analysis (Spring 2017) Elementary Algebraic Topology (Spring 2018), Graduate Algebraic Topology I (Fall 2018)	
Instructor of Record , Georgia Institute of Technology	2012-2016
Calculus 1 (Spring 2013), Calculus 3 (Summer 2012), Linear/Discrete Math (Fall 2013), OMED Challenge Calculus 1 and 2 (Summer 2014), Linear Algebra (Spring 2016), Differential Equations (Summer 2016)	
Teaching Assistant , Georgia Institute of Technology	2010-2015
Calculus 1 (Fall 2010), Calculus 2 (Spring 2011), Calculus 3 (Fall 2011), Linear/Discrete Mathematics (Spring 2012), Algebraic Topology (Fall 2012), Differential Equations (Fall 2013), CETL (Fall 2012), Calculus 3 for CS (Spring 2015), Algebra 1 (Fall 2015), Math Methods of Applied Science 1 (Fall 2015)	
Junior Staff , Hampshire College Summer Studies in Mathematics	Summer 2009

Invited Talks

Columbia University, topology seminar	November 2018
Binghamton University, topology seminar	May 2018
University of Alabama, topology seminar	April 2018
Northwestern University, topology seminar	February 2018
Caltech, topology seminar	May 2017
UC Davis, topology seminar	April 2017
UC Berkeley, topology seminar	February 2017
Rice University, topology seminar	November 2016
AMS Sectional Meeting, UGA	March 2016
AMS Sectional Meeting, University of Nevada	April 2015
University of Virginia, topology seminar	March 2015
Georgia Tech Topology Conference	December 2014
Louisiana State University, topology seminar	October 2014
University of Georgia, topology seminar	September 2014

Activities

Mathematics and Service

Referee for AGT, conference proceedings	
Academic Community Committee (committee member), UC Berkeley	2018-2019
Berkeley Topology Seminar (co-organiser), UC Berkeley	2017-2019
Open Book Decompositions Reading Group (organiser/instructor), UC Berkeley	2017
Contact Geometry Reading Group (organiser/instructor), Georgia Institute of Technology	2016
Graduate Student Chapter of AMS (treasurer), Georgia Institute of Technology	2014-2015
Geometry/Topology Seminars (organiser), Georgia Institute of Technology	2013
Contact Geometry Seminar (organiser), Georgia Institute of Technology	2012

Other Activities

Technical and Design Support for the Comprehensive English–Yiddish Dictionary	2011-2016
Georgia Tech Symphony Orchestra (viola), Georgia Institute of Technology	2010-2013
Cambridge Graduate Orchestra (viola), University of Cambridge	2009-2010
Orchestra on the Hill (viola, conductor), University of Cambridge	2006-2010
President	2009-2010
Strings Manager	2007-2009

Last updated: October 26, 2018