

James Kreinbihl

CONTACT INFORMATION	Wesleyan University Department of Mathematics and Computer Science 265 Church Street Middletown CT, 06459 U.S. Citizen Birthdate: February 23, 1989	Cell: (845) 243-1620 jkreinbihl@wesleyan.edu http://www.jkreinbihl.web.wesleyan.edu
RESEARCH INTERESTS	Knot theory, Knot concordance, Knots in thickened surfaces, Virtual knot theory, Knot games.	
EDUCATION	Wesleyan University Ph.D. Candidate, Mathematics (expected May 2017) <ul style="list-style-type: none">• Dissertation Topic: Generalization of the Fox-Milnor result to knots in thickened surfaces• Advisor: Constance Leidy Marist College B.A. in Mathematics, May 2011 <ul style="list-style-type: none">• Graduated as class Salutatorian• Graduated with honors in mathematics	
PUBLICATIONS	S. Brown, F. Cabrera, R. Evans, G. Gibbs, A. Henrich, and J. Kreinbihl, <i>The Region Unknotting Game</i> , Accepted for publication by Mathematics Magazine. J. Kreinbihl, <i>A generalization of the Fox-Milnor Theorem to knots in a thickened surface</i> , In preparation. J. Kreinbihl, R. Martin, C. Murphy, M. Renn, and J. Townsend, <i>Alternation by region crossing changes and implications for warping span</i> , J. Knot Theory Ramifications, 26 (2016).	
TALKS	<i>Knots and the Fourth Dimension</i> , 3 rd Unknot Conference, Denison University. (August 2016) <i>A Brief Introduction to Knot Theory</i> , Marist College Mathematics Seminar, Marist College. (Spring 2015) <i>A generalization of classical knot theory</i> , Graduate Student Seminar, Wesleyan University (Spring 2015) <i>The Alexander polynomial</i> , Graduate Student Seminar, Wesleyan University (Fall 2015) <i>Link Homotopy</i> , Graduate Student Seminar, Wesleyan University (Fall 2014) <i>Fox Calculus</i> , Graduate Student Seminar, Wesleyan University (Spring 2013) <i>An Introduction to Knot Theory</i> , Graduate Student Seminar, Wesleyan University. (Fall 2013)	

TEACHING
EXPERIENCE

Experience as an Instructor:

- Calculus I, Part I (Fall 2016)
- Introduction to Calculus, Part I (Fall 2013, 2014, 2015)

Experience as a Teaching Assistant:

- Elementary Statistics (Spring 2015)
- Math Workshop (Spring 2014)
- Topology (Spring 2013)
- Fundamentals of Analysis (Spring 2013)
- Calculus I, Part II (Fall 2012)
- Introduction to Mathematical Thought (Spring 2011)
- Calculus I, Part I (Fall 2011)

HONORS AND
AWARDS

- 2011 Salutorian, Mathematics Department
Marist College
- 2011 Inducted into Pi Mu Epsilon, Marist College

CONFERENCES
ATTENDED

- Unknot Conference*, Denison University (August 2016)
- Topology in Dimension 3.5: A conference in memory of Tim Cochran*, Rice University (June 2016)
- 2015 Joint Math Meetings*, San Antonio, TX (January 2015)
- Tech Topology Conference*, Georgia Institute of Technology (December 2013)

SERVICES

- Mentor at the 2015 Seattle University Mathematics Early Research (SUMMER) Program under the direction of Allison Henrich
- Panelist at the Marist College Math seminar. Marist College invited alumni to return to campus to answer questions about careers in mathematics, Fall 2015
- Panelist at UW Bothell Graduate school event. As part of a joint event between Seattle University and UW Bothell, I served on a panel about pursuing graduate work in mathematics, Summer 2015
- Organizer of the Graduate Student Seminar at Wesleyan University, Fall and Spring 2014
- Secretary of the AMS student chapter at Wesleyan University, 2013
- Treasurer of the AMS student chapter at Wesleyan University, 2014
- Organizer for the Department of Mathematics and Computer Science Christmas Party and Spring Barbecue (2013-2014)

MEMBERSHIPS

- The American Mathematical Society
- The Mathematical Association of America