

Teaching Assistant

Math 215, Multivariable calculus (TA)	Fall 2016
Math 216, Differential equations (TA)	Fall 2015

Undergraduate Research Mentor

Laboratory of Geometry: Origami on a Hexagonal Lattice	Winter 2019
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INVITED TALKS

Weierstrass points on tropical curves

Algebra and Number Theory Seminar, University of Kentucky	November 2019
Algebra and Algebraic Geometry Seminar, University of Washington	October 2019
SIAM Applied Algebraic Geometry, Bern Switzerland	July 2019
(poster) FPSAC, Ljubljana Slovenia	July 2019
Analysis and Geometry Seminar, Central Michigan University	February 2019
Algebraic Geometry Seminar, Brown University	November 2018
Combinatorics Seminar, University of Michigan	November 2018
Algebraic Geometry Seminar, The Ohio State University	October 2018
Algebra Seminar, Georgia Tech	October 2018
(poster) AGNES Fall Meeting, Brown University	September 2018

Dilated floor functions and their commutators

AMS Fall Sectional Meeting, Madison WI	September 2019
Department of Mathematics Colloquium, University of Findlay	December 2018
INTEGERS Conference 2018, Augusta GA	October 2018
(poster) MAA MathFest, Chicago IL	July 2017
(poster) CMS Summer Meeting, University of Alberta	June 2016

Looking for a “local” Gauss–Lucas theorem

MAA MathFest, Chicago IL	July 2017
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EXPOSITORY TALKS

University of Findlay Colloquium (undergraduate audience)

Dilated floor functions	December 2018
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Michigan Math Club (undergraduate audience)

The square tile problem	November 2018
Descartes’ rule of signs and beyond	September 2017

Great Talks for a General Audience, MAA MathFest Chicago

Descartes’ rule of signs and beyond	July 2017
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Michigan Graduate Student Seminars

What is the Jacobian of a curve?	October 2019
Bidding games and random-turn games	March 2019
Electrifying random trees II: edge correlation	October 2018
Introduction to p -adic geometry	October 2018
A brief tour of outer space	October 2018
Equidistribution of tropical Weierstrass points	September 2018
Tropical Grassmannians and friends	February 2018
Exponentially many perfect matchings	October 2017
Weierstrass subgroup of the Jacobian	February 2017
The p -adic icosahedron	February 2017
Matching polynomials and double covers	January 2017
What is a tropical curve?	October 2016
Tate curves and Berkovich space	March 2016

	Partition identities, generating functions, and physics	February 2016
	What is a Néron model?	January 2016
	Riemann–Roch on graphs	November 2015
	Combinatorics of stable curves	November 2015
	How to prove the Riemann hypothesis	September 2015
	Rationality of motivic zeta functions	April 2015
	Michigan Summer Mini-courses for graduate students	
	Combinatorial Hodge theory	Summer 2019
	Tropical methods in Brill–Noether theory (5 lectures)	Summer 2018
	Moduli space of tropical curves (4 lectures)	Summer 2017
	Algebraic groups (5 lectures)	Summer 2016
	Hodge theory for matroids (3 lectures)	Summer 2016
WORKSHOPS AND CONFERENCES ATTENDED	GATTACA Conference, Georgia Tech, March 2019	
	Arithmetic of Algebraic Curves, University of Wisconsin, April 2018	
	Tropical geometry, logarithmic geometry, and curve counting, Stockholm University, Summer 2017	
	Tropical geometry, mirror symmetry, and GKZ A-determinant philosophy, KIAS (Seoul Korea), Winter 2017	
	Combinatorial Algebraic Geometry, Fields Institute, Summer 2016	
	Explicit Methods for Abelian Varieties, PIMS, University of Calgary, Summer 2016	
	Gaps between Primes and Analytic Number Theory, MSRI, Summer 2015	
	Arithmetic and Higher-Dimensional Varieties, University of Arizona, March 2015	
SERVICE	Referee for: Journal of Integer Sequences	
	Research Mentor, Laboratory of Geometry at Michigan (LoG(M))	Spring 2019
	Co-organizer, Student Combinatorics Seminar, University of Michigan	2018 - 2019
	Organizer, Junior Colloquium, University of Michigan	Summer 2017
	Co-Hall Chair, East Campus Dormitory, MIT	Fall 2010 - Spring 2011
SKILLS	<ul style="list-style-type: none"> • Computer: Python, Mathematica, L^AT_EX, Sage, MATLAB • Language: English (native), Chinese (proficient), Russian (beginner) 	