

Wanlin Li

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Education

PhD Mathematics, [University of Wisconsin-Madison](#), Madison, WI, In progress
under Advisor: [Jordan Ellenberg](#).

BA Mathematics, Nanjing University, Nanjing, Jiangsu, China, June 2013.

Publications

- "[Vanishing of Hyperelliptic L-functions at the Central Point](#)", to appear in Journal of Number Theory
- "[Effective Bounds on the Dimensions of Jacobians Covering Abelian Varieties](#)", with J. Bruce
- "[Newton polygons of cyclic covers of the projective line branched at three points](#)", with E. Mantovan, R. Pries and Y. Tang, submitted
- "[Newton Polygons Arising for Special Families of Cyclic Covers of the Projective Line](#)", with E. Mantovan, R. Pries and Y. Tang, submitted
- "[Ranks, 2-Selmer groups, and Tamagawa numbers of elliptic curves with \$\mathbb{Z}/2\mathbb{Z} \times \mathbb{Z}/8\mathbb{Z}\$ -torsion](#)", with S. Chan and J. Hanselman, ATNS-XIII

Organization

- Conference [Arithmetic of Algebraic Curves](#)

Upcoming and Recent Presentations

- Talk Vanishing of Hyperelliptic L-Functions at the Central Point at CNTA, Jul 2018.
- Talk Effective Bounds on the Dimensions of Jacobians Covering Abelian Varieties in CTNT, Jun, 2018
- Talk Vanishing of Hyperelliptic L-Functions at the Central Point at Maine-Quebec Number Theory Conference, Oct 2017.
- Present Elliptic curves with rational $\mathbb{Z}/2\mathbb{Z} \times \mathbb{Z}/8\mathbb{Z}$ -torsion in ICTP, Aug 2017

- Present Newton polygons of cyclic covers of the projective line in WIN4, BIRS, Aug 2017.

Upcoming and Recent Conferences Attended

- 15th Meeting of the Canadian Number Theory Association (CNTA XV), July 2018
- Connecticut Summer School in Number Theory, University of Connecticut, June 2018
- Maine-Quebec Number Theory Conference 2017, October 2017
- PhD Summer school and workshop "Curves and L-functions", ICTP, August 2017
- WIN4: Women in Numbers 4, BIRS, August 2017
- A View Towards Algebraic Geometry, in honor of David Eisenbuds birthday, May 2017
- Arizona Winter School 2017: Perfectoid Spaces, The Southwest Center for Arithmetic Geometry, March 2017
- Introductory Workshop: Analytic Number Theory, MSRI, February 2017
- 2016 Fields Medal Symposium, November 2016
- Quebec-Maine Number Theory Conference 2016, October 2016
- 14th Meeting of the Canadian Number Theory Association (CNTA XIV), June 2016
- Summer School in Explicit Methods for Abelian Varieties, PIMS, June 2016
- Thin Groups and SuperApproximation, IAS, March 2016
- Arizona Winter School 2016: Analytic Methods in Arithmetic Geometry, The Southwest Center for Arithmetic Geometry, March 2016
- 2015 Program for Women and Mathematics: Aspects of Algebraic Geometry, IAS, May 2015
- Arizona Winter School 2015: Arithmetic and Higher-Dimensional Varieties, The Southwest Center for Arithmetic Geometry, March 2015

Teaching

Teaching assistant

Calculus and Analytic Geometry II, Spring 2018.

Calculus and Analytic Geometry I, Fall 2017.

Calculus and Analytic Geometry II, Spring 2017.

Calculus and Analytic Geometry II, Fall 2016.

Introduction to Discrete Mathematics, Spring 2016.

Techniques in Ordinary Differential Equations, Fall 2015.

Calculus–Functions of Several Variables, Spring 2015.

Calculus and Analytic Geometry II, Fall 2014.

Service

Orientation for incoming mathematics graduate students, August 2017.

Graduate Program Committee, 2015-

Math Girls Night Out, Fall 2015

Directed Reading Program, Fall 2016, Spring 2017