Jiamin Li | Curriculum Vitae

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Education

University of Illinois at Chicago	**Chicago, IL**
PhD in Mathematics	*2018 – present*
Advisor: Wenliang Zhang	
Binghamton University	**Binghamton, NY**
BSc (Hons) in Mathematics	*2014 – 2017*

Research Interests

Commutative algebra and algebraic geometry.
More specifically: local cohomology modules, asymptotic behaviors, multiplicities, D-modules and positive characteristics.

Papers

● On the generalized multiplicities of maximal minors and sub-maximal pfaffians, arXiv:2205.09657, submitted

● Singularities of generic linkage via Frobenius powers, arXiv:2207.06380, Proc. Amer. Math. Soc., to appear

● Socle degrees for local cohomology modules of thickenings of maximal minors and sub-maximal Pfaffians , with Michael Perlman, arXiv:2212.06899, Proc. Amer. Math. Soc., to appear

Awards and Grants

2023 – 2024 Dean's Scholar Fellowship at the University of Illinois at Chicago

Winter 2023 JMM 2023 AWM Poster Award (funding to attend conferences)

Fall 2022 AMS graduate student travel grant

2017 Award for Academic excellence of Mathematics at Binghamton University

Talks and Posters

November 2023 Commutative algebra seminar, University of Michigan

November 2023 Algebra Days in Arizona, Arizona State University

October 2023 "Commutative Algebra, Differential Operators, and Singularities", AMS Sectional Meeting at Creighton University

January 2023 JMM 2023 AWM poster session, Boston

October 2022 "Special session of commutative algebra", AMS Sectional Meeting at University of Utah

October 2022 Commutative Algebra and Algebraic Geometry seminar, University of Minnesota

October 2022 KUMUNU 2022 Fall conference (poster), University of Nebraska–Lincoln

March 2022 "Recent developments in commutative algebra", AMS Sectional Meeting at Purdue University

March 2022 Commutative algebra seminar, University of Illinois at Chicago

Services

Co-Organizer of commutative and homological algebra student seminar at UIC   *2023 – 2024*

Co-Organizer of Graduate number theory seminar at UIC   *2021 – 2022*

Teaching Experience

Fall 2018 College Algebra
Spring 2019 Linear Algebra for Business
Fall 2019 Linear algebra for Business
Spring 2020 Linear algebra for Business
Fall 2020 College Algebra
Fall 2021 Calculus I
Spring 2022 Calculus II
Spring 2023 Linear Algebra for Business

Grader

Fall 2022 Applied linear algebra, Introduction to number theory
Spring 2021 Linear algebra, Abstract Algebra

Last updated September 14, 2023