

Fatemehzahra Janbazi

Curriculum Vitae

Department of Mathematics
University of Toronto
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🔗 [zahrajanbazi.github.io](https://github.com/zahrajanbazi)

Education

University of Toronto , Toronto, Canada Ph.D. in Mathematics (Supervisor: Prof. Arul Shankar)	Sep 2021 – Ongoing
Sharif University of Technology, Tehran, Iran B.Sc. in Mathematics, Cumulative GPA: 4.00/4.00 (18.93/20)	Sep 2016 – Jul 2021

Honors and Awards

Mary H. Beatty Fellowship, University of Toronto \$10,000 award for academic excellence	Sep 2025
Blyth Fellowship, University of Toronto \$10,000 award for academic excellence	Sep 2025
Blyth Fellowship, University of Toronto \$10,000 award for academic excellence	Sep 2024
Blyth Fellowship, University of Toronto \$10,000 award for academic excellence	Sep 2023
Blyth Fellowship, University of Toronto \$10,000 award for academic excellence	Sep 2022
Blyth Fellowship, University of Toronto \$10,000 award for academic excellence	Sep 2021
Ranked 1st in Mathematics and Double Major, Sharif University of Technology Ranked 1st among 50 students in Mathematics; 1st among 140 in Petroleum Engineering	2016–2021
Bronze Medal, National Mathematical Olympiad	Aug 2015

Preprints

On finiteness of pencil of plane curves F. Janbazi. Preprint. Available upon request.	2025
Boundedness of average rank of elliptic curves ordered by the coefficients F. Janbazi. Preprint. arXiv:2506.07089	2025
A unified finiteness theorem for curves F. Janbazi, F. Sajadi. Preprint. arXiv:2505.09804	2025

Finiteness theorems for some representations of GL_3
F. Janbazi, A. Shankar. Preprint.
[arXiv:2505.05641](https://arxiv.org/abs/2505.05641)

2025

Invited Talks

Québec–Vermont Number Theory Seminar (QVNTS) Forthcoming invited talk. Montréal, Canada. https://montrealnumbertheory.org/seminars	Jan 2026
Lodha Mathematical Sciences Institute Arithmetic Statistics Workshop Lodha Mathematical Sciences Institute, Mumbai, India. https://lmsi.org/arithmetic-statistics-workshop	Aug 2025
UCalgary Algebra and Number Theory Seminar University of Calgary, Canada.	Apr 2025
Waterloo Number Theory Seminar University of Waterloo, Canada.	Apr 2025
CMS Winter Meeting Canadian Mathematical Society. Toronto, Canada. https://www2.cms.math.ca/Events/winter24/abs/efn	Dec 2024

Teaching Experience

Linear Algebra II (MAT224H1S) – University of Toronto Course instructor: delivered lectures, guided learning, graded, and held office hours.	2024–2025
Calculus I & II (MAT135, MAT136, MAT235) – University of Toronto Assisted in online and in-person delivery, led tutorials, graded, and supported students.	2022–2023
Introduction to Topology (MAT327H1F/Y) – University of Toronto Conducted tutorials, supported student learning, graded assignments.	2022–2024
Introduction to Number Theory (MAT315H1F/S) – University of Toronto Provided tutorial support, graded, and assisted students.	2023–2024
Groups and Symmetries (MAT301H1Y) – University of Toronto Led tutorials and supported instruction.	2022
Linear Algebra I (MAT223H1S) – University of Toronto Conducted tutorials and graded assignments.	2022
Math Learning Centre (MLC) – University of Toronto Tutored undergraduate and graduate students in problem-solving sessions.	2022–2023

Other Activities and Skills

Programming: C++, C#, Matlab