Fatemehzahra Janbazi
Curriculum Vitae

Department of Mathematics
University of Toronto
Bahen Centre for Information Technology
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Education

University of Toronto , Toronto, Canada — Sep 2021 – Ongoing
Ph.D. in Mathematics (Supervisor: Prof. Arul Shankar)

Sharif University of Technology, Tehran, Iran — Sep 2016 – Jul 2021
B.Sc. in Mathematics, Cumulative GPA: 4.00/4.00 (18.93/20)

Preprints

On finiteness of pencil of plane curves — 2025
F. Janbazi. Preprint.
Available upon request.

Boundedness of average rank of elliptic curves ordered by the coefficients — 2025
F. Janbazi. Preprint.
arXiv:2506.07089

A unified finiteness theorem for curves — 2025
F. Janbazi, F. Sajadi. Preprint.
arXiv:2505.09804

Finiteness theorems for some representations of GL_3 — 2025
F. Janbazi, A. Shankar. Preprint.
arXiv:2505.05641

Honors and Awards

Mary H. Beatty Fellowship, University of Toronto — Sep 2025
$10,000 award for academic excellence

Blyth Fellowship, University of Toronto — Sep 2025
$10,000 award for academic excellence

Blyth Fellowship, University of Toronto — Sep 2024
$10,000 award for academic excellence

Blyth Fellowship, University of Toronto — Sep 2023
$10,000 award for academic excellence

Blyth Fellowship, University of Toronto — Sep 2022
$10,000 award for academic excellence

Blyth Fellowship, University of Toronto — Sep 2021
$10,000 award for academic excellence

Ranked 1st in Mathematics and Double Major, Sharif University of Technology — 2016–2021
Ranked 1st among 50 students in Mathematics; 1st among 140 in Petroleum Engineering

Bronze Medal, National Mathematical Olympiad — Aug 2015

Invited Talks

Québec–Vermont Number Theory Seminar (QVNTS) — Jan 2026
Forthcoming invited talk. Montréal, Canada.
https://montrealnumbertheory.org/seminars

Lodha Mathematical Sciences Institute Arithmetic Statistics Workshop — Aug 2025
Lodha Mathematical Sciences Institute, Mumbai, India.
https://lmsi.org/arithmetic-statistics-workshop

UCalgary Algebra and Number Theory Seminar — Apr 2025
University of Calgary, Canada.

Waterloo Number Theory Seminar — Apr 2025
University of Waterloo, Canada.

CMS Winter Meeting — Dec 2024
Canadian Mathematical Society. Toronto, Canada.
https://www2.cms.math.ca/Events/winter24/abs/efn

Teaching Experience

Linear Algebra II (MAT224H1S) — University of Toronto — 2024–2025
Course instructor: delivered lectures, guided learning, graded, and held office hours.

Calculus I & II (MAT135, MAT136, MAT235) — University of Toronto — 2022–2023
Assisted in online and in-person delivery, led tutorials, graded, and supported students.

Introduction to Topology (MAT327H1F/Y) — University of Toronto — 2022–2024
Conducted tutorials, supported student learning, graded assignments.

Introduction to Number Theory (MAT315H1F/S) — University of Toronto — 2023–2024
Provided tutorial support, graded, and assisted students.

Groups and Symmetries (MAT301H1Y) — University of Toronto — 2022
Led tutorials and supported instruction.

Linear Algebra I (MAT223H1S) — University of Toronto — 2022
Conducted tutorials and graded assignments.

Math Learning Centre (MLC) — University of Toronto — 2022–2023
Tutored undergraduate and graduate students in problem-solving sessions.

Other Activities and Skills

Programming: C++, C#, Matlab