

CURRICULUM VITAE

Nawaz Sultani

Department of Mathematics
University of Michigan
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Citizenship: United States

Education

- University of Michigan 2016 - Present
PhD Mathematics, Advisors: Felix Janda, Aaron Pixton, Yongbin Ruan Expected May 2022
- Columbia University 2012 - 2016
BA Mathematics

Research Interests

Algebraic Geometry, specifically Enumerative Geometry and Gromov-Witten theory

Papers

- N. Sultani, R. Webb. *Some applications of nonabelian Quantum Lefschetz for orbifold quasimap I-functions*. In Preparation.
- F. Janda, N. Sultani, Y. Zhou. *Gromov-Witten Invariants of Some Non-convex Intersections*. In Preparation.
- E. Corniani, N. Deshmukh, B. Nasserden, E. Reinecke, N. Sultani, R. Webb. *The Stack of Admissible Covers is Algebraic*. To appear in Spec: Stacks Project Expository Collection
- L. Abbrescia, I. Huq-Kuruvilla, J. Nelson, and N. Sultani. *Reeb Dynamics of the A_n Singularity*. *Involve, a Journal of Mathematics*, 10(3):417-422, 2017. open access

Awards and Fellowships

- Mort Brown Teaching Award 2021
 - *Awarded to one graduate student per year for excellence in teaching*
- Rackham Faculty Allies Diversity Grant 2021-2024
 - *\$12,000 in first year to be used for DEI initiatives in the department with high possibility of renewal. \$8,000/year with \$4,000/year matching contributions from the department for later years*
- Mathematics Department Fellowship 2018, 2020
- Carroll V. Newsom Scholarship 2017
- Rackham Science Award 2016-2021
 - *Provides four semesters of financial support, as well as one summer*
- NSF Graduate Fellowship Honorable Mention 2016

Invited Talks

- University of Oregon Algebra Seminar January 17, 2022
- Zhejiang University Online Geometry and Physics Seminar December 18, 2021
- Algebraic Geometry Northeastern Series (AGNES) October 24, 2021
- Columbia Enumerative Geometry Seminar September 20, 2021
- CUHK-Harvard-YMSC Differential Geometry Seminar March 9, 2021
- American Graduate Student Algebraic Geometry Seminar (AGSAGS) September 16, 2020

Teaching Experience

- Math 105 (Data, Functions & Graphs) - Instructor of Record Fall 2021
- Michigan Math and Science Scholars - Graduate Student Instructor Summer 2021
Course on Ruler and Compass Constructions
- M-STEM Level IV (Calculus II) - Instructor of Record Summer 2019
- Math 116 (Calculus II) - Instructor of Record Winter 2019
- Math 215 (Calculus III) - Teaching Assistant Fall 2018
- Math 116 (Calculus II) - Instructor of Record Fall 2017
- Math 115 (Calculus I) - Instructor of Record Winter 2017
- Math 105 (Data, Functions & Graphs) - Instructor of Record Fall 2016

Administrative Responsibilities

- Michigan Research Experience of Graduates (MREG) - Co-organizer Summer 2021
 1. *Helped create week-long research groups of graduate students with faculty mentors*
 2. *Organized three day workshop with a focus on DEI speakers and panels*
- Foundational Course Initiative - Course design team member Spring 2019 - Present
Math 105 (Data, Functions & Graphs)
- Math 105 (Data, Functions & Graphs) - Co-coordinator Fall 2019
 1. *Wrote nine homework assignments and three exams for approximately 500 students*
 2. *Assisted in the professional development of first-year instructors*

Service

- Peer class visits Fall 2021 - Present
 - *Co-organized class visits among math GSIs*
- Graduate Student Advisory Committee Fall 2020 - Present
 - *Chair for Fall 2020- Summer 2021 year, 6+ year representative Fall 2021-present*
- Department Climate Committee Member Fall 2020 - Summer 2021
 - *Graduate Student Representative*
- Lab of Geometry (Log(M)) Fall 2020
 - *Helped mentor students in Euclidean Geometry course*
- Geometry and Physics Student Seminar Fall 2019 - Present
 - *Organizer*
- Math Mondays in Ypsilanti Fall 2019 - Spring 2020
 - *Volunteer*
- Graduate Event Committee Fall 2017 - Spring 2020
 - *Organizer*