Anish Chedalavada

Curriculum Vitae

Johns Hopkins University | Baltimore, Maryland | achedal1@jh.edu

Education

Johns Hopkins University — Baltimore, MD
PhD in Mathematics — *Aug 2023–Jun 2026 (Expected)*
Advisor: David Gepner
Thesis title (tentative): Towards the derived geometry of 2-rings and applications.

University of Illinois at Chicago — Chicago, IL
Masters in Mathematics — *Aug 2020–June 2023*

University of California, Los Angeles — Los Angeles, CA
Bachelor of Science in Mathematics — *Sep 2016–Jul 2020*

Research Experience

Max Planck Institute for Mathematics — Bonn, Germany
Research Visitor — *TBD*
Host: Tobias Barthel

American Institute of Mathematics — Pasadena, CA
Participant, Workshop on p-Adic Geometry and Chromatic Homotopy Theory — *Dec 2–6, 2024*

Max Planck Institute for Mathematics — Bonn, Germany
Research Visitor — *Apr 1–May 31, 2024*
Host: Tobias Barthel

Mathematische Forschungsinstitut Oberwolfach — Oberwolfach, Germany
Participant/Speaker at MFO Workshop 2338a — *Sep 17–Sep 22, 2023*
Workshop title: Program on Tensor-Triangular Geometry and Interactions
Talk title: A derived refinement of a classical theorem in tt-geometry.
Served as designated reporter, report available at: https://publications.mfo.de/handle/mfo/4102.

Hausdorff Research Institute for Mathematics — Bonn, Germany
Participant, Program on Spectral Methods in Algebra, Geometry, and Topology — *Fall Trimester, 2022*
Workshops Attended:

1. Summer School: Spectral methods in algebra, geometry, and topology (Sep 19–23)
2. Spectral methods in equivariant mathematics (Oct 24–28)
3. Spectra, triangles, and higher structures (Dec 5–9)

MSRI Séminaire de Mathématiques Supérieures — Vancouver, Canada
Participant, Summer School on Floer Homotopy Theory — *Jul 11–Jul 22, 2022*

Preprints

1. Ko Aoki, Tobias Barthel, Anish Chedalavada, Tomer Schlank, and Greg Stevenson. *Higher Zariski geometry.* 2025. arXiv: 2508.11621 [math.AG]. URL: https://arxiv.org/abs/2508.11621.

Seminar and Conference Organization

AMTRaK Joint Seminars at Johns Hopkins, UPenn, and UVA
Organizer alongside Maxine Calle and Ben Spitz — *Sep 2024, Nov 2024, Feb 2025*
Core responsibilities: Secures and manages funding for food and travel, books accomodation, books venues, invites speakers, devises pre-talk syllabus.
Website: https://web.sas.upenn.edu/callem/amtrak/

JHU Topics in E-Theory Seminar Baltimore, MD
Organizer *Spring 2024*
Website: `https://aragogh.github.io/ESeminar.html`

UIC Graduate Geometry/Topology Seminar Chicago, IL
Organizer *Fall 2021, Spring 2022*
Website: `https://aragogh.github.io/GTSem.html`

Service

UIC Math Graduate Student Association Chicago, IL
Co-president *2021–2022*
Core responsibilities: Coordinates social events, serves as liaison between department head and graduate student body, manages graduate student lounge amenities.

Seminar/Conference Talks Given

1. *Geometries, tensor-triangular geometry, and the reconstruction of schemes*, UChicago Topology Seminar, Spring 2025.
2. *A derived refinement of a classical theorem in tt-geometry*, Wayne State Topology Seminar, Spring 2025.
3. *A derived refinement of a classical theorem in tt-geometry*, Bonn Topology Oberseminar, Spring Trimester 2024.
4. *A derived refinement of a classical theorem in tt-geometry*, UCLA Algebra Seminar, Fall 2023.
5. *A derived refinement of a classical theorem in tt-geometry*, Mathematisches Forschungsinstitut Oberwolfach, Workshop 2338a, Fall 2023.

Teaching Experience

Instructor of Record
Johns Hopkins University
1. Putnam Preparation Course *Fall 2024*
2. Honors One Variable Calculus *Fall 2025*

Teaching Assistant
Johns Hopkins University
1. Calculus II for Life Sciences *Fall 2023*
2. Grader, Graduate Algebraic Topology *Fall 2023*

Instructor of Record
University of Illinois, Chicago
1. Math 109 (College Algebra Workshop) *Fall 2021*
2. Math 090 (Intermediate Algebra) *Summer 2021*

Teaching Assistant
University of Illinois, Chicago
1. Math 181 (Calculus II) *Fall 2020, Spring 2022*
2. Math 125 (Linear Algebra for Business) *Spring 2021*
3. Math 121 (Precalculus) *Spring 2023*
4. Math 160 (Linear Algebra for Business) *Spring 2023*

1 Skills Summary

Programming: LaTeX, Python, C++, Nix
Languages: English, French (Intermediate), Telugu, Hindi