

Anish Chedalavada

Curriculum Vitae

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

Education

Johns Hopkins University

PhD in Mathematics

Advisor: David Gepner

Thesis title (tentative): Towards the derived geometry of 2-rings and applications.

Baltimore, MD

Aug 2023–Jun 2026 (Expected)

University of Illinois at Chicago

Masters in Mathematics

Chicago, IL

Aug 2020–June 2023

University of California, Los Angeles

Bachelor of Science in Mathematics

Los Angeles, CA

Sep 2016–Jul 2020

Research Experience

Max Planck Institute for Mathematics

Research Visitor

Host: Tobias Barthel

Bonn, Germany

TBD

American Institute of Mathematics

Participant, Workshop on p-Adic Geometry and Chromatic Homotopy Theory

Pasadena, CA

Dec 2–6, 2024

Max Planck Institute for Mathematics

Research Visitor

Host: Tobias Barthel

Bonn, Germany

Apr 1–May 31, 2024

Mathematisches Forschungsinstitut Oberwolfach

Participant/Speaker at MFO Workshop 2338a

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>.

Oberwolfach, Germany

Sep 17–Sep 22, 2023

Hausdorff Research Institute for Mathematics

Participant, Program on Spectral Methods in Algebra, Geometry, and Topology

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)

Bonn, Germany

Fall Trimester, 2022

MSRI Séminaire de Mathématiques Supérieures

Participant, Summer School on Floer Homotopy Theory

Vancouver, Canada

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

Organizer

Baltimore, MD

Spring 2024

Website: <https://aragogh.github.io/ESeminar.html>

UIC Graduate Geometry/Topology Seminar

Organizer

Website: <https://aragogh.github.io/GTSem.html>

Chicago, IL
Fall 2021, Spring 2022

Service

UIC Math Graduate Student Association

Co-president

Chicago, IL

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 reconstruction theorem in tt-geometry (with applications to modular representation theory)*, Wayne State Topology Seminar, Spring 2025.
3. *A derived refinement of a classical reconstruction theorem in tt-geometry*, Bonn Topology Oberseminar, Spring Trimester 2024.
4. *A derived refinement of a classical reconstruction theorem in tt-geometry*, UCLA Algebra Seminar, Fall 2023.
5. *A derived refinement of a classical reconstruction theorem in tt-geometry*, Mathematisches Forschungsinstitut Oberwolfach, Workshop 2338a, Fall 2023.

Teaching Experience

Instructor of Record

Johns Hopkins University

1. AS 110.113 Honors One Variable Calculus Fall 2025
2. AS 110.225 Putnam Preparation Course Fall 2024

Teaching Assistant

Johns Hopkins University

1. AS 110.107 Calculus II for Life Sciences Fall 2023
2. AS 110.616 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