

PH.D. STUDENTS • Haosen Wu, current, co-supervised with Wenyan Li under Sheel Ganatra.
SUPERVISED

TEACHING EXPERIENCE	<ul style="list-style-type: none"> • Instructor, Math 125, Calculus I, University of Southern California, Spring 2025 • Instructor, Math 425a, Fundamental Concepts of Analysis, University of Southern California, Spring 2025 • Instructor, Math 425a, Fundamental Concepts of Analysis, University of Southern California, Fall 2024 • Instructor, Math 144, Foundations of Statistics, University of Southern California, Fall 2023 • Instructor, Math 245, Mathematics of Physics & Engineering I, University of Southern California, Spring 2023 • Instructor, Math 125g, Calculus I, University of Southern California, Fall 2022 • Graduate Student Instructor, Math 110 Linear Algebra, UC Berkeley, Spring 2020 • Graduate Student Instructor, Math 16B Analytic Geometry and Calculus, UC Berkeley, Spring 2019 • Graduate Student Instructor, Math 54 Linear Algebra and Differential Equations, UC Berkeley, Fall 2017 and Fall 2018 • Graduate Student Instructor, Math 53 Multivariable Calculus, UC Berkeley, Spring 2017 • Graduate Student Instructor, Math 1A Calculus, UC Berkeley, Fall 2016 • Teaching Assistant, Geometry (Required course for juniors), National Taiwan University, Fall 2013
SEMINARS	<ul style="list-style-type: none"> • Organizer, Microlocal learning seminar, University of Southern California, Spring 2025 • Co-organizer, Topology seminar, University of Southern California, Fall 2022-Spring 2025 • Organizer, Deformation quantization modules learning seminar, Syddansk Universitet, Fall 2021 - Spring 2022
INVITED TALKS	<ul style="list-style-type: none"> • Riemann-Hilbert on contact manifolds, MPI-Oberseminar, MPIM, August 2025. • Tropical Lagrangian coamoebae and free resolutions, Syzygies and Mirror Symmetry Virtual Seminar, April 2025. • Symplectic Geometry and Sheaves, Geometry and Topology Seminar, UC Irvine, November 2024. • A quick introduction of microlocal sheaf theory, NAG GRT Seminar, SLMath, February 2024. • Globalizing the microlocal Riemann-Hilbert correspondence, Algebraic Geometry Seminar, UC Davis, January 2024. • Globalizing the microlocal Riemann-Hilbert correspondence, Algebraic Geometry Seminar, Academia Sinica, January 2024. • Globalizing the microlocal Riemann-Hilbert correspondence, Geometry Seminar, Kyushu University, January 2024. • Microlocal Riemann-Hilbert correspondence, QM Research Seminar, University of Southern Denmark, December 2023. • Microlocal Riemann-Hilbert correspondence, Bonn symplectic geometry sem-

inar, December 2023.

- Perverse Microsheaves, Mathematics Seminars, Montana State University, October 2023.
- Perverse Microsheaves, Differential geometry and symplectic topology seminar, University of Minnesota, September 2023.
- Sheaf Theoretic Methods in Symplectic Geometry, NCTS Differential Geometry Seminar, National Center for Theoretical Sciences, Taipei City, May 2023.
- Microlocal sheaf theory in noncommutative geometry, Algebraic Geometry Seminar, Academia Sinica, Taipei City, May 2023.
- Microlocal sheaf theory in noncommutative geometry, UCSB Seminar on Geometry and Arithmetic, University of California, Santa Barbara, May 2023.
- Wrapped sheaves, Topology Seminar in USC, September 2022
- Wrapped sheaves, QM Research Seminar in SDU, March 2022
- Wrapped sheaves, U. Iowa Topology Seminar, December 2021

SEMINAR AND TALKS

- Sheaf quantization and the topology of cotangent bundles, guest lecture in Sheel Ganatra's Math 699, USC, Fall 2022
- Nondisplaceability results for Lagrangians in toric symplectic manifolds, Southern California Symplectothon, October 2022
- Hochschild homology, Deformation quantization modules learning seminar, Syddansk Universitet, February 2022
- Kernels, Deformation quantization modules learning seminar, Syddansk Universitet, December 2021
- Algebroids, Deformation quantization modules learning seminar, Syddansk Universitet, November 2021
- Nonlinear regularity and local existence, J-Holomorphic curves learning seminar, Syddansk Universitet, October 2021
- Deformation of a sheaf of rings, Deformation quantization modules learning seminar, Syddansk Universitet, October 2021
- E_n -algebras and iterated loop spaces, Geometric Representation Theory seminar, UC Berkeley, Spring 2020
- Speaker, Wrapped Floer Homology Learning Seminar, Fall 2019
- Hochschild-Kostant-Rosenberg theorem through loop spaces, Geometric Representation Theory seminar, UC Berkeley, November 27 and December 14 2018
- Koszul duality for algebras, Deformation Theory Seminar, UC Berkeley, October 15 2017
- Gerbes. Mayer-Vietoris calculations, K-theory Seminar, UC Berkeley, April 2017
- Adams operation, K-theory Seminar, UC Berkeley, February 2017
- Winter Camp for Fundamentals in Mathematics for College Students, National Taiwan University, January 23-February 8, 2013

PROFESSIONAL SERVICE

- Beisitzer, Introduction to symplectic geometry, Universität Bonn, SoSe 2025
- Master thesis second reader, Universität Bonn, SoSe 2025
- Topology Screening Exam Committee, University of Southern California,

Fall 2024

- Co-organizer, The Los Angeles Workshop on Representations and Geometry (LAWRGe), Summer 2023
- Referee for Annals of Mathematics, Compositio, and G&T

AWARDS AND
HONORS

- Shing-Tung Yau College Student Mathematics Contest, Bronze medal in geometry and topology, 2014
- Honors Program in Mathematics, National Taiwan University, 2014
- Chow Hung-Ching Scholarship, Institute of Mathematics - Academia Sinica, 2013