

Kendric D. Schefers

CONTACT INFORMATION	Department of Mathematics 2515 Speedway Stop C1200 Austin, TX 78712 USA	http://kdschefers.github.io +12037228881 kschefers@math.utexas.edu
CITIZENSHIP	United States of America, Germany	
RESEARCH INTERESTS	Microlocal sheaf theory, the topology of singular spaces, derived algebraic geometry, geometric representation theory, categorical Donaldson-Thomas theory, symplectic and shifted symplectic geometry	
EDUCATION	The University of Texas, Austin Ph.D. Program in Mathematics (Fall 2016-Present) <ul style="list-style-type: none">• Advisors: David Ben-Zvi and Sam Raskin Columbia University in the City of New York B.A. in Mathematics with Honors, May 2016	
HONORS AND AWARDS	2020 2016–2018 2012–2016	Frank Gerth III Teaching Excellence Award Provost’s Graduate Excellence Fellowship Columbia College John Jay Scholarship
PUBLICATIONS	An equivalence between vanishing cycles and microlocalization. Preprint available at arXiv:2205.12436. (submitted) Sabbah’s theorem via liquid functional calculus. In preparation. Draft available upon request. A microlocal Feigin-Tsygan-Preygel theorem. In preparation. Draft available upon request.	
INVITED TALKS	<i>Decategorifying the Arinkin-Gaitsgory singular support of coherent sheaves.</i> Mathematical Physics Seminar, Perimeter Institute. (January 27, 2023) <i>Microlocal perspective on homology.</i> Enumerative Geometry Seminar at IMJ-PRG, Sorbonne University. (September 25, 2022)	
CONFERENCES & WORKSHOPS ATTENDED	Physics from the Point of View of Geometry, Oxford University (September 2022) Summer School in Motivic Integration Theory, Heinrich Heine Universität (September 2022) Physical Mathematics of Quantum Field Theory, UMass Amherst (August 2022) Summer School in Geometric Representation Theory, MIT (June 2022) Facets of Noncommutative Geometry, UIUC (June 2022) On the Crossroads of Algebra, Geometry, and Physics, Yale (May 2022)	

Homotopical Methods in Geometry and Physics, Northwestern University (March 2022)

Perverse Sheaves in Enumerative Geometry, Bonn (February 2020)

Texas Algebraic Geometry Symposium, UT Austin (February 2019)

Between Topology and Quantum Field Theory, UT Austin (January 2019)

Future Directions in Representation Theory, University of Sydney (December 2017)

String Math 2017, University of Hamburg (July 2017)

Pre-String Math Summer School, University of Hamburg (July 2017)

TEACHING
EXPERIENCE (UT
AUSTIN)

Math Ombudsman, Fall 2022–

M340L Matrices and Matrix Calculations, TA, Spring 2022

M373K Algebraic Structures I, TA, Spring 2021

M373L Algebraic Structures II, TA, Spring 2021

M340L Matrices and Matrix Calculations, TA, Spring 2020

M408M Multivariable Calculus, TA, Fall 2019

M408C Differential and Integral Calculus, TA, Spring 2019

M408K Differential Calculus, TA, Fall 2018

SERVICE AND
OUTREACH

Directed Reading Program Mentor

Worked one-on-one with undergraduates at UT Austin on learning projects of their choice under the UT Austin Directed Reading Program.

- Michael Panner (Summer 2022)
- Juan Antonio Artero Calvo (Summer 2021)
- Ethan Roy (Spring 2021)
- Jamie Pearce (Fall 2020, Spring 2020, Fall 2019)
- Nicholas Daniel (Fall 2017)