Kendric D. Schefers

CONTACT
INFORMATION

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EMPLOYMENT

University of California, Berkeley (July 2023–Present)

Charles B. Morrey Visiting Assistant Professor

EDUCATION

The University of Texas at Austin

Ph.D. in Mathematics, May 2023.
Supervisors: 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

2023	Frank Gerth III Dissertation Award
2020	Frank Gerth III Teaching Excellence Award
2016–2018	Provost's Graduate Excellence Fellowship
2012–2016	Columbia College John Jay Scholarship

PUBLICATIONS &
PREPRINTS

A microlocal Feigin–Tsygan–Preygel theorem. Preprint available at arXiv:2310.11045, October 2023.

Derived V-filtrations and the Kontsevich–Sabbah–Saito theorem. Preprint available at arXiv:2310.09979, October 2023.

Liquid functional calculus. Preprint available at arXiv:2310.05272, October 2023.

An equivalence between vanishing cycles and microlocalization. Preprint available at arXiv:2205.12436, May 2022. (submitted)

INVITED TALKS

Decategorifying the singular support of coherent sheaves. Topology Seminar, Northwestern University. (November 27, 2023)

Microlocalization of homology. Mathematical Physics and Representation Theory Seminar, Louisiana State University. (October 23, 2023)

Microlocal homology and the singular support of coherent sheaves. Algebraic Geometry Seminar, UC Davis. (October 4, 2023)

Microlocal homology and the singular support of coherent sheaves. Topology Seminar, University of Southern California. (October 2, 2023)

Decategorifying the Arinkin–Gaitsgory singular support of coherent sheaves. Mathematical Physics Seminar, Perimeter Institute. (March 31, 2023)

Microlocal perspective on homology. Enumerative Geometry Seminar at IMJ-PRG, Sorbonne University. (September 25, 2022)

CONTRIBUTED TALKS	*Microlocal homology and the shifted cotangent bundle.* 2023 "Gone Fishing" Poisson Geometry Conference, Amherst College. (March 19, 2023)
TEACHING EXPERIENCE	UC Berkeley M104 Intro to Analysis, Fall 2023
	UT Austin Math Ombudsman, Fall 2022–Spring 2023
	UT Austin M340L Matrices and Matrix Calculations, TA, Spring 2022
	UT Austin M373K Algebraic Structures I, TA, Spring 2021 UT Austin M373L Algebraic Structures II, TA, Spring 2021
	UT Austin M340L Matrices and Matrix Calculations, TA, Spring 2020
	UT Austin M408M Multivariable Calculus, TA, Fall 2019
	UT Austin M408C Differential and Integral Calculus, TA, Spring 2019
	UT Austin M408K Differential Calculus, TA, Fall 2018
SERVICE AND OUTREACH	TA for SLMath Graduate Workshop on Derived Algebraic Geometry (Summer 2023)
	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)