

## Kendric D. Schefers

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CONTACT INFORMATION	Department of Mathematics 970 Evans Hall Berkeley, CA 94720-3840	<a href="http://kdschefers.github.io">http://kdschefers.github.io</a> +12037228881 <a href="mailto:kdschefers@berkeley.edu">kdschefers@berkeley.edu</a>
EMPLOYMENT	<b>University of California, Berkeley</b> (July 2023–Present) Charles B. Morrey Visiting Assistant Professor	
EDUCATION	<b>The University of Texas at Austin</b> Ph.D. in Mathematics, May 2023. Supervisors: David Ben-Zvi and Sam Raskin  <b>Columbia University in the City of New York</b> B.A. in Mathematics with Honors, May 2016	
HONORS AND AWARDS	2023 2020 2016–2018 2012–2016	Frank Gerth III Dissertation Award Frank Gerth III Teaching Excellence Award Provost’s Graduate Excellence Fellowship Columbia College John Jay Scholarship
PUBLICATIONS & PREPRINTS	<b>An equivalence between vanishing cycles and microlocalization.</b> Preprint available at <a href="https://arxiv.org/abs/2205.12436">arXiv:2205.12436</a> . (submitted)  <b>Derived <math>V</math>-filtrations and the Kontsevich–Sabbah–Saito theorem.</b> Draft available here.  <b>Liquid functional calculus.</b> Draft available here  <b>A microlocal Feigin–Tsygan–Preygel theorem.</b> In preparation. Draft available upon request.	
INVITED TALKS	<i>Decategorifying the Arinkin–Gaitsgory singular support of coherent sheaves.</i> Mathematical Physics Seminar, Perimeter Institute. (March 31, 2023)  <i>Microlocal perspective on homology.</i> Enumerative Geometry Seminar at IMJ-PRG, Sorbonne University. (September 25, 2022)	
CONTRIBUTED TALKS	<i>Microlocal homology and the shifted cotangent bundle.</i> 2023 “Gone Fishing” Poisson Geometry Conference, Amherst College. (March 19, 2023)	
TEACHING EXPERIENCE	SLMath Graduate Workshop on Derived Algebraic Geometry, TA, Summer 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

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)