David Rubinstein (he/him/his)

CONTACT INFORMATION	Mathematics Department	Email: darubins@ucsc.edu
	University of California, Santa Cruz	Website: drubinstein.com

EDUCATION

University of California, Santa Cruz — *California, USA*
PH.D. IN MATHEMATICS — Sep 2018 – July 2024 *(expected)*
Advisor: *Beren Sanders*

M.A. IN MATHEMATICS — Dec 2019

University of California, Santa Barbara — *California, USA*
B.SC IN MATHEMATICS (HIGH HONORS) — June 2018
Minor in Physics

TEACHING

UNIVERSITY OF CALIFORNIA, SANTA CRUZ

Instructor of Record		
	MATH 100 – Intro. to Proof and Prob. Solving	Summer 2023
	MATH 117 – Advanced Linear Algebra	Summer 2022
	MATH 21 – Introduction to Linear Algebra	Summer 2021
	MATH 21 – Introduction to Linear Algebra	Summer 2020

Teaching Assistant		
	MATH 11A – Calculus with Applications for Life Sci	Fall 2023
	MATH 100 – Intro. to Proof and Prob. Solving	Spring 2023
	MATH 19B – Calculus for Sci., Eng., and Math.	Winter 2023
	MATH 3 – Precaluclus	Fall 2022
	Math 117 – Advanced Linear Algebra	Spring 2022
	Math 288B – Pedagogy of Mathematics (For Graduate Student Instructors of Record)	Winter 2022
	MATH 117 – Advanced Linear Algebra	Fall 2021
	MATH 11A – Calculus with Applications for Life Sci	Spring 2021
	MATH 11A – Calculus with Applications for Life Sci	Winter 2021
	MATH 111A – Abstract Algebra Fellowship under SEMILLA Teach	Fall 2020
	MATH 21 – Introduction to Linear Algebra	Spring 2020
	Math 23A – Vector Calculus	Winter 2020
	Math 100 – Intro. to Proof and Prob. Solving	Fall 2019
	Math 21 – Introduction to Linear Algebra	Summer 2019
	Math 19B – Calculus for Sci., Eng., and Math.	Spring 2019
	Math 21 – Introduction to Linear Algebra	Winter 2019
	Math 19A – Calculus for Sci., Eng., and Math.	Fall 2018

SERVICE & ORGANIZING

UNIVERSITY OF CALIFORNIA, SANTA CRUZ

Project for Inmate Education (PIE)
Co-Director, with Deewang Bhamidipati and Mikayla Wilson — Jul 2023 – *present*

What are you reading? *an informal seminar*
Co-Organizer, with Deewang B., Jennifer Guerrero, Sophie Aiken   Apr 2023 – *present*

Mathematics Department Peer Support Program
Co-Organizer, with Sophie A., Malachi Alexander, Deewang B., Jennifer G.   Aug 2021 – *present*

Directed Reading Program
Co-Organizer, with Deewang B., Seiji Hansen, Sam Johnson   Aug 2021 – Mar 2024

Association for Women in Mathematics (AWM) Chapter
Treasurer & Outreach Chair, AWM Executive Committee   Nov 2020 – Sep 2023

Prelim Study Groups (an AWM Initiative)
Co-Organizer, with Deewang B   Jan 2022 – Sep 2023

EmpowHER Hour (an AWM Initiative)
Co-Organizer with Sophie A. and Jennifer G.   Spring 2022 – Spring 2023

Category Theory Learning Seminar
Co-Organizer, with Vaibhav Sutrave, Deewang B.   Winter – Spring 2022

Graduate Colloquium, Mathematics Department
Co-Organizer, with Deewang B.   Dec 2020 – Jun 2022

Mathematics Department DEI Committee
Graduate Student Representative   Oct 2020 – Jun 2022

Reading Groups

- **Derived Category of p-Permutation Modules**   Spring 2023
- **Metrics on Triangulated Categories**   Winter 2023
- **Topological Data Analysis**   Winter 2023
  co-organized with Deewang B
- **Pointless Topology and Triangulated Categories**   Fall 2022
- **Stacks**   Fall 2022
- **Auslander-Reiten Triangles**   Winter – Spring 2020

OUTREACH   **UNIVERSITY OF CALIFORNIA, SANTA CRUZ**

Directed Reading Program

- *Mentor* (with Deewang B.), Yahya Bashandy
  DERIVED FUNCTORS AND KAN EXTENSIONS   Winter 2024

- *Mentor* (with Deewang B.), Yahya Bashandy
  GROUP COHOMOLOGY AND HILBERT'S THEOREM 90   Fall 2023

- *Mentor* (with Deewang B.), Kenneth Gee
  THE (CURRY–HOWARD–)LAMBEK CORRESPONDENCE   Summer – Fall 2022

- *Mentor*, Cassidy Tao
  FUNCTOR OF POINTS   Fall 2021

- *Mentor*, Eric Huang
  INTRODUCTION TO HOMOLOGICAL ALGEBRA   Winter 2020

Study Leader, *Prelim Study Groups by AWM*
Study Leader for Algebra   Spring 2022
Study Leader for Algebra   Winter 2022

PEDAGOGICAL & PROFESSIONAL DEVELOPMENT	**WEST VALLEY – MISSION COMMUNITY COLLEGE DISTRICT**

WEST VALLEY – MISSION COMMUNITY COLLEGE DISTRICT

Faculty Diversity Internship Program
West Valley-Mission Community College District Winter – Spring 2023

UNIVERSITY OF CALIFORNIA, SANTA CRUZ

edge-DS Foundations Scholar
The Educational Group for Enrichment in Data Science (edge-DS) Fall 2023- Spring 2024

Equity-Minded Mentoring for Graduate Students Certificate Program
The Teaching and Learning Center (TLC) Winter 2023

Graduate Student Researcher, *Redesigning Calculus in the Life Sciences*
Mathematics Department, and TLC Summers 2021, 2022
Fellowship under GANAS Career Pathways grant

Inclusive Teaching Practices using 21st Century Pedagogy
The Teaching and Learning Center Sep 2018, 2020, 2022

Graduate Certificate in Course Design & Delivery
The Teaching and Learning Center Spring 2021

Graduate Certificate in Teaching for Equity
The Teaching and Learning Center Spring 2020

EXTERNAL TALKS

Stratification for Tensor-Triangulated Categories, with Applications to Motives Oct 2023
Special Session, AWM Research Symposium

INTERNAL TALKS

Morita Theory for Stable Derivators
Graduate Student Colloquium, University of California, Santa Cruz January 2023

Classification Problems in Mathematics
Stratification and Derived Categories of Motives March 2022
Graduate Student Colloquium, University of California, Santa Cruz

Algebras in Tensor Triangulated Categories:
Seperability, Descent and Finite étale Extensions October 2021
Graduate Student Colloquium, University of California, Santa Cruz

An Introduction to (Tensor) Triangulated Categories (Talk 2/2) December 2020
Graduate Student Colloquium, University of California, Santa Cruz

An Introduction to Triangulated Categories (Talk 1/2) November 2020
Graduate Student Colloquium, University of California, Santa Cruz

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OTHER TALKS

A Workshop on `beamer` May 2023
Directed Reading Program, University of California, Santa Cruz

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MEMBERSHIPS

Association for Women in Mathematics Feb 2021 – *present*

American Mathematical Society Oct 2018 – *present*

LANGUAGES

English (fluent), Yiddish (advanced), Spanish (intermediate)