

**CONTACT
INFORMATION**

Mathematics Department
University of California, Santa Cruz

Email: darubins@ucsc.edu
Website: drubinstein.com

EDUCATION

University of California, Santa Cruz

PH.D. IN MATHEMATICS

Advisor: *Beren Sanders*

M.A. IN MATHEMATICS

California, USA
Sep 2018 – July 2024 (*expected*)

Dec 2019

University of California, Santa Barbara

B.SC IN MATHEMATICS (HIGH HONORS)

Minor in Physics

California, USA
June 2018

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 – Precalculus

Fall 2022

Math 117 – Advanced Linear Algebra

Spring 2022

Math 288B – Pedagogy of Mathematics

Winter 2022

(For Graduate Student Instructors of Record)

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

Fall 2020

Fellowship under [SEMILLA Teach](#)

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? <i>an informal seminar</i>	
<i>Co-Organizer</i> , with Deewang B., Jennifer Guerrero, Sophie Aiken	Apr 2023 – present
Mathematics Department Peer Support Program	
<i>Co-Organizer</i> , with Sophie A., Malachi Alexander, Deewang B., Jennifer G.	Aug 2021 – present
Directed Reading Program	
<i>Co-Organizer</i> , with Deewang B., Seiji Hansen, Sam Johnson	Aug 2021 – Mar 2024
Association for Women in Mathematics (AWM) Chapter	
<i>Treasurer & Outreach Chair</i> , AWM Executive Committee	Nov 2020 – Sep 2023
Prelim Study Groups (an AWM Initiative)	
<i>Co-Organizer</i> , with Deewang B	Jan 2022 – Sep 2023
EmpowHER Hour (an AWM Initiative)	
<i>Co-Organizer</i> with Sophie A. and Jennifer G.	Spring 2022 – Spring 2023
Category Theory Learning Seminar	
<i>Co-Organizer</i> , with Vaibhav Sutrave, Deewang B.	Winter – Spring 2022
Graduate Colloquium, Mathematics Department	
<i>Co-Organizer</i> , with Deewang B.	Dec 2020 – Jun 2022
Mathematics Department DEI Committee	
<i>Graduate Student Representative</i>	Oct 2020 – Jun 2022
Reading Groups	
• Derived Category of p-Permutation Modules	Spring 2023
• Metrics on Triangulated Categories	Winter 2023
• Topological Data Analysis co-organized with Deewang B	Winter 2023
• 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	
• <i>Mentor</i> (with Deewang B.), Kenneth Gee THE (CURRY–HOWARD–)LAMBKE CORRESPONDENCE	Summer – Fall 2022
• <i>Mentor</i> , Cassidy Tao FUNCTOR OF POINTS	Fall 2021
• <i>Mentor</i> , Eric Huang INTRODUCTION TO HOMOLOGICAL ALGEBRA	Winter 2020
Study Leader, Prelim Study Groups by AWM	
<i>Study Leader for Algebra</i>	Spring 2022
<i>Study Leader for Algebra</i>	Winter 2022

PEDAGOGICAL & PROFESSIONAL DEVELOPMENT

WEST VALLEY – MISSION COMMUNITY COLLEGE DISTRICT	
Faculty Diversity Internship Program	
<i>West Valley-Mission Community College District</i>	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

Special Session, AWM Research Symposium

Oct 2023

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

OTHER TALKS

A Workshop on beamer

May 2023

Directed Reading Program, University of California, Santa Cruz

MEMBERSHIPS

Association for Women in Mathematics

Feb 2021 – *present*

American Mathematical Society

Oct 2018 – *present*

LANGUAGES

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