

# Maneesha Ampagouni

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## Education

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### University of California, Santa Cruz

August 2019 - Present

- Ph.D. in Mathematics
- Advisor: Geoffrey Mason

### Indian Statistical Institute, Bangalore

July 2017 - May 2019

- Master of Mathematics (M.Math)

### Indian Statistical Institute, Bangalore

July 2014 - May 2017

- Bachelor of Mathematics (Hons.)

## Teaching

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### Teaching Assistantship

UC Santa Cruz

- MATH 3 - Precalculus Spring 2021
- MATH 11A-01 - Calculus with Applications Fall 2021, Spring 2022
- MATH 11B-01 - Calculus with Applications Winter 2022
- MATH 19A - Calculus for Science, Engineering and Mathematics Winter 2021, Fall 2023
- MATH 19B - Calculus for Science, Engineering and Mathematics Fall 2019, 2020, Winter, Spring 2023
- MATH 21-01 - Linear Algebra Fall 2022
- MATH 23A-OL - Vector Calculus Spring 2024
- MATH 110-01 - Introduction to Number Theory Winter 2024

## Publications

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In progress

## Seminars and Talks

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### Introduction to Monstrous Moonshine

UC Santa Cruz

- Mathematics Graduate Colloquium

Spring 2024

### Modular Invariance of Trace Functions in Orbifold Theory

UC Santa Cruz

- In a reading group with Junwen Liao, Xuguang Liu, Tsz Yau Tin

Winter 2024

### What is the Moonshine Module?

UC Santa Cruz

- In a reading group with Junwen Liao, Xuguang Liu

Fall 2023

### What is a Modular Tensor Category?

UC Santa Cruz


- In a reading group with Junwen Liao, Xuguang Liu

Fall 2023

## Mentorship


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### Directed Reading Program

- Mentored Violet McAllister through an introduction to Representation Theory of Groups as a part of the [Directed Reading Program \(DRP\) at UCSC](#) .

UC Santa Cruz  
Winter 2024

### Algebra Prelim Study Group Leader

- Served as a leader to the algebra prelim study group organised by [AWM at UCSC](#) .

UC Santa Cruz  
Winter 2024  
Spring 2024

## Awards and Distinctions

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### INMO Merit Certificate

- In recognition of good performance in the olympiad conducted by the Homi Bhabha Centre for Science Education on behalf of National Board for Higher Mathematics

2014

### Dean's List

- For outstanding performance in the academic semester

Indian Statistical Institute  
Semester-II 2015  
Semester-I 2016