## Deewang Bhamidipati

CONTACT INFORMATION	Mathematics Department University of California, Santa Cruz	Email: bdeewang@ucsc.edu Website: bdeewang.com	
EDUCATION	University of California, Santa Cruz PH.D. IN MATHEMATICS Advisor: <i>Martin Weissman</i>		California, USA Sep 2019 – present
	M.A. IN MATHEMATICS		Aug 2020
	Higher School of Economics M.SC. IN MATHEMATICS Advisor: Vadim Vologodsky		Moscow, Russia Jun 2019
	Shiv Nadar University B.Sc. (RESEARCH) IN MATHEMATICS Specialisation in Applied Algebra		Uttar Pradesh, India May 2016
EXTERNAL TALKS	Vertical Frobenius Trace Distributions USTARS, University of Washington, Seattle, W.	Ά	Mar 2023
*КЕМОТЕ	Frobenius Trace Distributions informed by A Joint Mathematics Meetings, Boston, MA	ngle Rank	Jan 2023
	What is a scheme?* What is a seminar?		Oct 2021
	A Non-Archimedean Volume of Hilbert Sche The Mathematics Society Seminar, Shiv Nadar		Aug 2019
INTERNAL TALKS	A Point is Worth a Shape: Introducing Modul Undergraduate Student Colloquium, Universit		Feb 2023
*КЕМОТЕ	Angle Ranks and Frobenius Distributions* Graduate Student Colloquium, University of C	California, Santa Cruz	Nov 2022
	LATEX Workshop (with Jennifer Guerrero) Undergraduate Student Colloquium, Universit	ty of California, Santa Cruz	Oct 2022
	Some Invariants of Abelian Varieties over Fir Graduate Student Colloquium, University of C		Oct 2022
	LATEX Workshop, Parts II: Trying tikz, tikz-co Undergraduate Student Colloquium, Universit		Apr 2022
	LATEX Workshop Parts I: An Introduction Undergraduate Student Colloquium, Universit	ty of California, Santa Cruz	Apr 2022
	Cohomology on Sites* Graduate Student Colloquium, University of C	California, Santa Cruz	Jan 2022
	Fundamental Groups: Topological, Étale, Tan Graduate Student Colloquium, University of C		Oct 2021
	<b>Demystifying the </b> <i>p</i> <b>-adics</b> * <i>Graduate Student Colloquium, University of C</i>	California, Santa Cruz	Nov 2020

Last Updated: February 2023

		n to Motivic Integration es on Manifolds Seminar, Higher School of Economics	Jun 2019
		and Betti Numbers of Calabi-Yau Varieties es on Manifolds Seminar, Higher School of Economics	Dec 2018
	<b>Mordell's Theorem</b> Graduate Student So	eminar, Higher School of Economics	May 2018
PROGRAMMES, WORKSHOPS & CONFERENCES (selected)	Critical Issues in M MSRI/SLMath, Berl	Tathematics Education: Mentoring for Equity keley, USA	Mar 2023
	<b>USTARS</b> <i>University of Washi</i>	ington, Seattle, USA	Mar 2023
*КЕМОТЕ	Unlikely Intersectio	Intersections, Arizona Winter School ty of Arizona, Tuscon, USA	
	Introductory Works MSRI/SLMath, Berl	shop: Diophantine Geometry keley, USA	Feb 2023
	Joint Mathematics Boston, USA	oint Mathematics Meetings oston, USA	
	<b>Rethinking Numbe</b> Project Leader: <i>Mark</i>		Jun – Jul 2022
	Automorphic Forms University of Arizon	s Beyond GL <sub>2</sub> , Arizona Winter School na, Tuscon, USA	Mar 2022
	PCMI Graduate Su Number Theory Info Motivic Homotopy IAS/PCMI, Park Ci	ormed by Computation (Week 3) Theory (Week 1)	Jul 2021
	Rethinking Numbe Project Leader: Soun		Jul 2021
	Sparsity of Algebras MSRI, Berkeley, USA	ic Points, MSRI Summer Graduate School* A	Jun 2021
	Rational Points and University of Pittsbu	l Galois Representations* urgh, USA	May 2021
	Unlikely intersections, Diophantine geometry, and related fields* <i>University of Reading, UK</i>		Apr 2021
		er School in Number Theory (CTNT)* ecticut, Connecticut, USA	Jun 2020
TEACHING	University of Ca	alifornia, Santa Cruz	
*Кемоте	Instructor of Record	MATH 105A – Real Analysis MATH 103A – Complex Analysis MATH 11B – Calculus with Applications MATH 100 – Introduction to Proof and Problem Solving MATH 103A – Complex Analysis MATH 110 – Introduction to Number Theory MATH 110 – Introduction to Number Theory MATH 105A – Real Analysis	Summer 2023* Spring 2023 Summer 2022* Summer 2022* Spring 2022 Fall 2021 Summer 2021* Fall 2020*

	MATH 3 – Precalculus	Summer 2020*
Teaching Assistant	MATH 288B – Pedagogy of Mathematics (GSI)	Winter 2023
8	MATH 19A – Calculus for Sci., Eng., and Math.	Fall 2022
	MATH 11A – Calculus with Applications	Winter 2022
	MATH 111T – Algebra	Spring 2021*
	(Fellowship under SEMILLA Teach)	1 0
	MATH 100 – Introduction to Proof and Problem So (Fellowship under SEMILLA Teach)	olving Winter 2021*
	MATH 3 – Precalculus	Spring 2020*
	MATH 181 – History of Mathematics	Winter 2020
	MATH 3 – Precalculus	Fall 2019
SHIV NADAR UNI	VERSITY	
Teaching Assistant	MAT260 – Linear Algebra	Fall 2015
Tutor, LASC	MAT260 – Linear Algebra	Spring 2015
	MAT284 – Probability and Statistics	Spring 2015
	MAT101 – Calculus I	Fall 2014
	LASC = Learning & Academic Support Centre	
Head TA, for ment	ALIFORNIA, SANTA CRUZ orship and support	Jul 2022 – present
	nematics Department	,
Directed Reading	9	A 2021 L 2024
	sing with David Rubinstein	Aug 2021 – Jun 2024
<b>Association for Wo</b> <i>President</i>	omen in Mathematics Chapter	Com 2022 Assa 2022
General Secretary		Sep 2022 – Aug 2023 Nov 2020 – Aug 2022
v	rtment Peer Support Program	8
-	sing with Jennifer Guerrero, David Rubinstein, Ryan Pugh	Aug 2021 – Jun 2023
	Colloquium, Mathematics Department	D. 2000 I 2000
0	sed with David Rubinstein	Dec 2020 – Jun 2022
Category Theory L Organiser, co-organis	earning Seminar sed with Vaibhav Sutrave, David Rubinstein	Winter – Spring 2022
Reading Groups, (	Organiser	
Topological I     organised was	Data Analysis rith David Rubinstein	Winter 2023
• Stacks	in David Rabinstent	Fall 2022
• Étale Cohom	ology	Fall 2021
	otogy rith Shane Kennerly, Malachi Alexander	raii 2021
• Homological	-	Spring 2021
•	rith Vaibhav Sutrave, Malachi Alexander	1 0
• A Course in A	Arithmetic by JP.Serre	Winter, Summer 2020
<b>Mathematics Depa</b> <i>Graduate Student Re</i>	ortment DEI Committee Appresentative	Oct 2020 – Jun 2022
	,	<b>,</b>

SERVICE & ORGANISING

#### OUTREACH UNIVERSITY OF CALIFORNIA, SANTA CRUZ

<b>Directed Reading Program</b>	
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<ul> <li>Mentor, Brooke Zhang COMBINATORIAL DESIGNS</li> </ul>	Fall 2022
<ul> <li>Mentor (with David Rubinstein), Kenneth Gee</li> <li>THE (CURRY-HOWARD-)LAMBEK CORRESPONDENCE</li> </ul>	Summer – Fall 2022
<ul> <li>Mentor, Miles Mitchell         AFFINE ALGEBRAIC GROUPS AND HOPF ALGEBRAS     </li> </ul>	Spring 2022

• *Mentor*, Morea Lee GALOIS THEORY OVER **Q** 

Mentor, Yijia Sun
 LINEAR ERROR CORRECTION CODES

 Mentor, Anna Yoon

Winter 2022

ELLIPTIC CURVE CRYPTOGRAPHY Winter 2020

Panelist, The Roles and Contributions of TAs

### Graduate Preparation Program Aug 2022, 2021

#### **EXTERNAL**

#### **Twoples**

<ul> <li>Mentor, Lillian Frey (Binghamton University)</li> <li>INTRODUCTION TO CODING THEORY: LINEAR CODES</li> </ul>	Sep – Dec 2022
<ul> <li>Mentor, Lalit Mohan Sharma (University of Delhi)</li> <li>NUMBER THEORY OF NUMBER FIELDS: CLASS GROUPS</li> <li>INTRODUCTION TO ALGEBRAIC GEOMETRY: VARIETIES</li> </ul>	Jan – Apr 2022 Aug – Dec 2021
Mentor, Bowen Li (Carleton College)  JOURNEY THROUGH CATEGORY THEORY  Particle of the Carleton College of the Carleton Co	Jan – Apr 2022

## Panelist, Graduate Student Perspectives: A Year in Review Lunch in the Time of COVID

#### Lunch in the Time of COVID May 2021

# PEDAGOGICAL & PROFESSIONAL DEVELOPMENT

#### UNIVERSITY OF CALIFORNIA, SANTA CRUZ

Equity-Minded Mentoring for Graduate Students Certificate Program	
Center for Innovations in Teaching and Learning	Winter 2023

Graduate Student Researcher, Redesigning Calculus in the Life Sciences

Mathematics Department & Center for Innovations in Teaching and Learning

Fellowship under the GANAS-Career Pathways grant

Summer 2021

Summer Graduate Student Instructor Peer Support Team

Center for Innovations in Teaching and Learning

Spring – Summer 2021

Preparing for Inclusive Teaching

Center for Innovations in Teaching and Learning

Sep 2020, 2019

Integrated Course Design for Remote Instruction
Online Education (OE)
Spring 2020

Course Design & Delivery Certificate Program

Center for Innovations in Teaching and Learning

Spring 2020

Teaching for Equity Certificate Program

Center for Innovations in Teaching and Learning

Spring 2020

AWARDS, GRANTS & SCHOLARSHIPS	State Funded Scholarship, Higher School of Economics Full Merit Scholarship, Shiv Nadar University	2017 – 2019 2012 – 2016
MEMBERSHIPS	Association for Women in Mathematics American Mathematical Society	Feb 2021 – present Oct 2019 – present