Deewang Bhamidipati

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

EDUCATION

University of California, Santa Cruz — *California, USA*
PH.D. IN MATHEMATICS — Sep 2019 – *present*
M.A. IN MATHEMATICS — Aug 2020

Higher School of Economics — *Moscow, Russia*
M.SC. IN MATHEMATICS — Jun 2019
Advisor: *Vadim Vologodsky*

Shiv Nadar University — *Uttar Pradesh, India*
B.SC. (RESEARCH) IN MATHEMATICS — May 2016
Specialisation in Applied Algebra

INVITED TALKS

Frobenius Trace Distributions informed by Angle Rank — Jan 2023
Joint Mathematics Meetings 2023

INTERNAL TALKS

*REMOTE

Frobenius Distributions of Abelian Varieties over Finite Fields — Nov 2022
Graduate Student Colloquium, University of California, Santa Cruz

LaTeX Workshop(s) — Oct, Apr 2022
Undergraduate Student Colloquium, University of California, Santa Cruz

Some Invariants of Abelian Varieties over Finite Fields — Oct 2022
Graduate Student Colloquium, University of California, Santa Cruz

Cohomology on Sites* — Jan 2022
Graduate Student Colloquium, University of California, Santa Cruz

Fundamental Groups: Topological, Étale, Tannakian* — Oct 2021
Graduate Student Colloquium, University of California, Santa Cruz

Demystifying the p-adics* — Nov 2020
Graduate Student Colloquium, University of California, Santa Cruz

A First Introduction to Motivic Integration — Jun 2019
Geometric Structures on Manifolds Seminar, Higher School of Economics

p-adic Integration and Betti Numbers of Calabi-Yau Varieties — Dec 2018
Geometric Structures on Manifolds Seminar, Higher School of Economics

Mordell's Theorem — May 2018
Graduate Student Seminar, Higher School of Economics

EXTERNAL TALKS

*REMOTE

What is... a scheme?* — Oct 2021
What is... a seminar?

A Non-Archimedean Volume of Hilbert Scheme of Points — Aug 2019
The Mathematics Society Seminar, Shiv Nadar University

	Joint Mathematics Meetings	Jan 2023
	Boston, USA	

Rethinking Number Theory* — Jun – Jul 2022
Ekedahl-Oort Strata for Abelian Varieties under *Maria Fox*

Automorphic Forms Beyond GL$_2$**, Arizona Winter School** — Mar 2022
University of Arizona, Tuscon, USA

PCMI Graduate Summer School* — Jul 2021
Number Theory Informed by Computation (Week 3)
Motivic Homotopy Theory (Week 1)
IAS/PCMI, Park City, Utah, USA

Rethinking Number Theory* — Jul 2021
Invariants of p-torsion in characteristic p under *Soumya Sankar*

Sparsity of Algebraic Points, **MSRI Summer Graduate School*** — Jun 2021
MSRI, Berkeley, California, USA

Rational Points and Galois Representations* — May 2021
University of Pittsburgh, USA

Unlikely intersections, Diophantine geometry, and related fields* — Apr 2021
University of Reading, UK

Connecticut Summer School in Number Theory (CTNT)* — Jun 2020
University of Connecticut, Connecticut, USA

UNIVERSITY OF CALIFORNIA, SANTA CRUZ

Instructor of Record	**MATH 11B – Calculus with Applications**	Summer 2022*
	MATH 100 – Introduction to Proof and Problem Solving	Summer 2022*
	MATH 103A – Complex Analysis	Spring 2022
	MATH 110 – Introduction to Number Theory	Fall 2021
	MATH 110 – Introduction to Number Theory	Summer 2021*
	MATH 105A – Real Analysis	Fall 2020*
	MATH 3 – Precalculus	Summer 2020*
Teaching Assistant	**MATH 19A – Calculus for Sci., Eng., and Math.**	Fall 2022
	MATH 11A – Calculus with Applications	Winter 2022
	MATH 111T – Algebra (Fellowship under SEMILLA Teach)	Spring 2021*
	MATH 100 – Introduction to Proof and Problem Solving (Fellowship under SEMILLA Teach)	Winter 2021*
	MATH 3 – Precalculus	Spring 2020*
	MATH 181 – History of Mathematics	Winter 2020
	MATH 3 – Precalculus	Fall 2019

SHIV NADAR UNIVERSITY

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	

SERVICE & **ORGANISING**	**UNIVERSITY OF CALIFORNIA, SANTA CRUZ**

Head TA, for mentorship and support   Jul 2022 – *present*
Head TA Team, Mathematics Department

Directed Reading Program
Organiser, co-organising with David Rubinstein, Nathan Marianovsky   Aug 2021 – *present*

Association for Women in Mathematics Chapter
President   Sep 2022 – Aug 2023
General Secretary   Nov 2020 – Aug 2022

Mathematics Department Peer Support Program
Organiser, co-organising with David Rubinstein, Jennifer Guerrero, Ryan Pugh   Aug 2021 – Jun 2023

Graduate Student Colloquium, Mathematics Department
Organiser, co-organised with David Rubinstein   Dec 2020 – Jun 2022

Category Theory Learning Seminar
Organiser, co-organised with Vaibhav Sutrave, David Rubinstein   Winter – Spring 2022

Reading Groups, *Organiser*

- **Stacks**   Fall 2022
- **Étale Cohomology**   Fall 2021
  co-organised with Shane Kennerly, Malachi Alexander
- **Étale Homological Algebra**   Spring 2021
  co-organised with Vaibhav Sutrave, Malachi Alexander
- **A Course in Arithmetic by J.-P. Serre**   Winter, Summer 2020

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

OUTREACH	**UNIVERSITY OF CALIFORNIA, SANTA CRUZ**

Directed Reading Program

- *Mentor*, Brooke Zhang
  COMBINATORIAL DESIGNS   Fall 2022
- *Mentor* (with David Rubinstein), Kenneth Gee
  THE (CURRY–HOWARD–)LAMBEK CORRESPONDENCE   Summer – Fall 2022
- *Mentor*, Miles Mitchell
  AFFINE ALGEBRAIC GROUPS AND HOPF ALGEBRAS   Spring 2022
- *Mentor*, Morea Lee
  GALOIS THEORY OVER $\mathbf{Q}$ Winter 2022
- *Mentor*, Yijia Sun
  LINEAR ERROR CORRECTION CODES   Fall 2021
- *Mentor*, Anna Yoon
  ELLIPTIC CURVE CRYPTOGRAPHY   Winter 2020

Panelist, *The Roles and Contributions of TAs*
Graduate Preparation Program   Aug 2022, 2021

Twoples

- *Mentor*, Lillian Frey (Binghamton University)
  INTRODUCTION TO CODING THEORY: LINEAR CODES   Sep – Dec 2022
- *Mentor*, Lalit Mohan Sharma (University of Delhi)
  NUMBER THEORY OF NUMBER FIELDS: CLASS GROUPS   Jan – Apr 2022

INTRODUCTION TO ALGEBRAIC GEOMETRY: VARIETIES   Aug – Dec 2021

- *Mentor*, Bowen Li (Carleton College)
  JOURNEY THROUGH CATEGORY THEORY   Jan – Apr 2022

Panelist, *Graduate Student Perspectives: A Year in Review*
Lunch in the Time of COVID   May 2021

PEDAGOGICAL & PROFESSIONAL DEVELOPMENT

UNIVERSITY OF CALIFORNIA, SANTA CRUZ
(CITL = Center for Innovations in Teaching and Learning)

Graduate Student Researcher, *Redesigning Calculus in the Life Sciences*
Mathematics Department & CITL   Summer 2021
Fellowship under the GANAS-Career Pathways grant

Summer GSI (Graduate Student Instructor) Peer Support Team
CITL   Spring – Summer 2021

Preparing for Inclusive Teaching
CITL & Hispanic Serving Institution (HSI) Initiatives   Sep 2020, 2019

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

Graduate Certificate in Course Design & Delivery
CITL   Spring 2020

Graduate Certificate in Teaching for Equity
CITL   Spring 2020

AWARDS, GRANTS & SCHOLARSHIPS

State Funded Scholarship, Higher School of Economics   2017 – 2019

Full Merit Scholarship, Shiv Nadar University   2012 – 2016

MEMBERSHIPS

Association for Women in Mathematics   Feb 2021 – *present*

American Mathematical Society   Oct 2019 – *present*

LANGUAGES

English, Hindi (Hindustani), Telugu, Japanese (Beginner)