Deewang Bhamidipati

CONTACT INFORMATION

Mathematics Department
University of California, Santa Cruz

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EDUCATION

University of California, Santa Cruz — *California, USA*
Ph.D. in Mathematics — Sep 2019 – *present*
Advisor: *Juncue Suh*

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

INTERNAL TALKS

* REMOTE

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

LATEX Workshops, I & II — Apr 2022
Undergraduate 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

PROGRAMMES, WORKSHOPS & CONFERENCES (selected)

* REMOTE

Rethinking Number Theory* — Jun – Jul 2022
Topic: *Ekedahl-Oort Strata for Abelian Varieties*
Leader: *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
Topic: *Invariants of p-torsion in characteristic p*
Leader: *Soumya Sankar*

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

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

TEACHING

* REMOTE

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		
	TBD	Fall 2022
	MATH 11A – Calculus with Applications	Winter 2022
	MATH 111T – Algebra	Spring 2021*
	(Fellowship under SEMILLA Teach)	
	MATH 100 – Introduction to Proof and Problem Solving	Winter 2021*
	(Fellowship under SEMILLA Teach)	
	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 & ORGANIZING

UNIVERSITY OF CALIFORNIA, SANTA CRUZ

Head Support-TA
Head TA Team, Mathematics Department — Jul 2022 – *present*

Mathematics Department Peer Mentorship Program
Organiser, co-organising with David Rubinstein, Jennifer Guerrero, Ryan Pugh — Aug 2021 – *present*

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

Association for Women in Mathematics Chapter
Member, Organizing Committee — Nov 2020 – *present*

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

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

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

CITL Summer Peer Support Fellowship
Member, Peer Support Team — Spring – Summer 2021

OUTREACH

Directed Reading Program — *UC Santa Cruz*

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

Twoples

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, *The Roles and Contributions of TAs* — *UC Santa Cruz*
Graduate Preparation Program 2021 — Aug 2021

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

PROFESSIONAL DEVELOPMENT

Preparing for Inclusive Teaching Workshop — *UC Santa Cruz*
CITL, HSI Initiatives, Mathematics Department — Sep 2020, 2019

Graduate Certificate in Course Design & Delivery — *UC Santa Cruz*
Center for Innovations in Teaching and Learning (CITL) — Spring 2020

Integrated Course Design for Remote Instruction — *UC Santa Cruz*
Online Education (OE) — Spring 2020

Graduate Certificate in Teaching for Equity — *UC Santa Cruz*
Center for Innovations in Teaching and Learning (CITL) — Spring 2020

AWARDS & 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)*