

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>Juncue Suh</i> M.A. IN MATHEMATICS Higher School of Economics M.SC. IN MATHEMATICS Advisor: <i>Vadim Vologodsky</i> Shiv Nadar University B.SC. (RESEARCH) IN MATHEMATICS Specialisation in Applied Algebra	California, USA Sep 2019 – present Aug 2020 Moscow, Russia Jun 2019 Uttar Pradesh, India May 2016
INTERNAL TALKS	Some Invariants of Abelian Varieties over Finite Fields <i>Graduate Student Colloquium, University of California, Santa Cruz</i> L^AT_EX Workshops, I & II <i>Undergraduate Student Colloquium, University of California, Santa Cruz</i> Cohomology on Sites* <i>Graduate Student Colloquium, University of California, Santa Cruz</i> Fundamental Groups: Topological, Étale, Tannakian* <i>Graduate Student Colloquium, University of California, Santa Cruz</i> Demystifying the p-adics* <i>Graduate Student Colloquium, University of California, Santa Cruz</i> A First Introduction to Motivic Integration <i>Geometric Structures on Manifolds Seminar, Higher School of Economics</i> p-adic Integration and Betti Numbers of Calabi-Yau Varieties <i>Geometric Structures on Manifolds Seminar, Higher School of Economics</i> Mordell's Theorem <i>Graduate Student Seminar, Higher School of Economics</i>	Oct 2022 Apr 2022 Jan 2022 Oct 2021 Nov 2020 Jun 2019 Dec 2018 May 2018
EXTERNAL TALKS	What is... a scheme?* What is... a seminar? A Non-Archimedean Volume of Hilbert Scheme of Points <i>The Mathematics Society Seminar, Shiv Nadar University</i>	Oct 2021 Aug 2019
PROGRAMMES, WORKSHOPS & CONFERENCES (selected)	Rethinking Number Theory* <i>Ekedahl-Oort Strata for Abelian Varieties under Maria Fox</i> Automorphic Forms Beyond GL_2, Arizona Winter School <i>University of Arizona, Tuscon, USA</i>	Jun – Jul 2022 Mar 2022

*REMOTE

PCMI Graduate Summer School* <i>Number Theory Informed by Computation</i> (Week 3) <i>Motivic Homotopy Theory</i> (Week 1) IAS/PCMI, Park City, Utah, USA	Jul 2021
Rethinking Number Theory* <i>Invariants of p-torsion in characteristic p</i> under Soumya Sankar	Jul 2021
Sparsity of Algebraic Points, MSRI Summer Graduate School* MSRI, Berkeley, California, USA	Jun 2021
Connecticut Summer School in Number Theory (CTNT)* University of Connecticut, Connecticut, USA	Jun 2020

TEACHING

*REMOTE

UNIVERSITY OF CALIFORNIA, SANTA CRUZ

<i>Instructor of Record</i>	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*
<i>Teaching Assistant</i>	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

<i>Teaching Assistant</i>	MAT260 – Linear Algebra	Fall 2015
<i>Tutor, LASC</i>	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 <i>Head TA Team, Mathematics Department</i>	Jul 2022 – <i>present</i>
Directed Reading Program <i>Organiser, co-organising with David Rubinstein, Nathan Marianovsky</i>	Aug 2021 – <i>present</i>
Association for Women in Mathematics Chapter <i>President</i>	Sep 2022 – Aug 2023
<i>Member of Organising Committee</i>	Nov 2020 – Aug 2022
Mathematics Department Peer Support Program <i>Organiser, co-organising with David Rubinstein, Jennifer Guerrero, Ryan Pugh</i>	Aug 2021 – Jun 2023

Graduate Student Colloquium, Mathematics Department <i>Organiser, co-organised with David Rubinstein</i>	Dec 2020 – Jun 2022
Category Theory Learning Seminar <i>Organiser, co-organised with Vaibhav Sutrave, David Rubinstein</i>	Winter – Spring 2022
Mathematics Department DEI Committee <i>Graduate Student Member</i>	Oct 2020 – Jun 2022
Graduate Student Researcher, Redesigning Calculus in the Life Sciences <i>Mathematics Department</i> <i>& Center for Innovations in Teaching and Learning (CITL)</i> <i>Fellowship under the GANAS-Career Pathways grant</i>	Summer 2021
Summer GSI (Graduate Student Instructor) Peer Support Team <i>Center for Innovations in Teaching and Learning (CITL)</i>	Spring – Summer 2021

OUTREACH

UNIVERSITY OF CALIFORNIA, SANTA CRUZ	
Directed Reading Program	
<i>Mentor (with David Rubinstein), Kenneth Gee</i> THE (CURRY–HOWARD–)LAMBK CORRESPONDENCE	Summer – Fall 2022
<i>Mentor, Miles Mitchell</i> AFFINE ALGEBRAIC GROUPS AND HOPF ALGEBRAS	Spring 2022
<i>Mentor, Morea Lee</i> GALOIS THEORY OVER \mathbf{Q}	Winter 2022
<i>Mentor, Yijia Sun</i> LINEAR ERROR CORRECTION CODES	Fall 2021
<i>Mentor, Anna Yoon</i> ELLIPTIC CURVE CRYPTOGRAPHY	Winter 2020
Panelist, The Roles and Contributions of TAs <i>Graduate Preparation Program</i>	Aug 2022, 2021
Twoples	
<i>Mentor, Lillian Frey</i> TBD	Sep – Dec 2022
<i>Mentor, Lalit Mohan Sharma (University of Delhi)</i> NUMBER THEORY OF NUMBER FIELDS: CLASS GROUPS INTRODUCTION TO ALGEBRAIC GEOMETRY: VARIETIES	Jan – Apr 2022 Aug – Dec 2021
<i>Mentor, Bowen Li (Carleton College)</i> JOURNEY THROUGH CATEGORY THEORY	Jan – Apr 2022
Panelist, Graduate Student Perspectives: A Year in Review <i>Lunch in the Time of COVID</i>	May 2021

PROFESSIONAL DEVELOPMENT

UNIVERSITY OF CALIFORNIA, SANTA CRUZ	
Preparing for Inclusive Teaching <i>Center for Innovations in Teaching and Learning (CITL)</i> <i>& Hispanic Serving Institution (HSI) Initiatives</i>	Sep 2020, 2019
Integrated Course Design for Remote Instruction <i>Online Education (OE)</i>	Spring 2020
Graduate Certificate in Course Design & Delivery <i>Center for Innovations in Teaching and Learning (CITL)</i>	Spring 2020

Graduate Certificate in Teaching for Equity
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)
