

CONTACT INFORMATION	Mathematics Department University of California, Santa Cruz	Email: bdeewang@ucsc.edu Website: bdeewang.com
EDUCATION	University of California, Santa Cruz <i>Ph.D. in Mathematics</i> Advisor: <i>Junecue Suh</i> <i>M.A. in Mathematics</i>	California, USA September 2019 – present August 2020
	Higher School of Economics <i>M.Sc. in Mathematics</i> Advisor: <i>Vadim Vologodsky</i>	Moscow, Russia June 2019
	Shiv Nadar University <i>B.Sc. (Research) in Mathematics</i> Specialisation in Applied Algebra	Uttar Pradesh, India May 2016
INTERNAL TALKS	Fundamental Groups: Topological, Étale, Tannakian* <i>Graduate Student Colloquium, University of California, Santa Cruz</i>	October 2021
* ONLINE	Demystifying the p-adics* <i>Graduate Student Colloquium, University of California, Santa Cruz</i>	November 2020
	A First Introduction to Motivic Integration <i>Geometric Structures on Manifolds Seminar, Higher School of Economics</i>	June 2019
	p-adic Integration and Betti Numbers of Calabi-Yau Varieties <i>Geometric Structures on Manifolds Seminar, Higher School of Economics</i>	December 2018
	Mordell's Theorem <i>Graduate Student Seminar, Higher School of Economics</i>	May 2018
	Derivative of a Number <i>The Mathematics Society Seminar, Shiv Nadar University</i>	September 2015
EXTERNAL TALKS	What is... a scheme?* <i>What is... a seminar?</i>	October 2021
* ONLINE	A Non-Archimedean Volume of Hilbert Scheme of Points <i>The Mathematics Society Seminar, Shiv Nadar University</i>	August 2019
SUMMER PROGRAMMES, WORKSHOPS & CONFERENCES	Hodge Theory and p-adic Hodge Theory (CIMPA Research School)* <i>CIMAT, Guanajuato, Mexico</i>	August 2021
	Rational Curves and Moduli Spaces in Arithmetic Geometry* PRIMA 2021 Summer School	August 2021
* ONLINE	Graduate Summer School at PCMI* <i>Number Theory Informed by Computation (Week 3)</i> <i>Motivic Homotopy Theory (Week 1)</i> IAS/PCMI, Park City, Utah, USA	July 2021

Rethinking Number Theory* Topic: <i>Invariants of p-torsion in characteristic p</i> Leader: <i>Soumya Sankar</i>	July 2021
RTG (Number Theory and Arithmetic Geometry) Research Workshop* <i>University of California, Berkeley, USA</i>	June 2021
Sparsity of Algebraic Points, MSRI Summer Graduate School* <i>MSRI, Berkeley, California, USA</i>	June 2021
Rational Points and Galois Representations* <i>University of Pittsburgh, USA</i>	May 2021
Unlikely intersections, Diophantine geometry, and related fields* <i>University of Reading, UK</i>	April 2021
Madison Moduli Weekend* <i>University of Wisconsin-Madison, USA</i>	September 2020
Chicago Number Theory Day 2020* <i>University of Illinois, Chicago, USA</i>	June 2020
CTNT Conference* <i>University of Connecticut, USA</i>	June 2020
Connecticut Summer School in Number Theory (CTNT)* <i>University of Connecticut, Connecticut, USA</i>	June 2020
Summer Programme in Mathematics (SPIM) <i>Harish-Chandra Research Institute (HRI), Allahabad, India</i>	June 2015
Mathematics Training and Talent Search (MTTS), Level O <i>Regional Institute of Education, Mysore, India</i>	May – June 2014

TEACHING

* ONLINE

MATH 110 – Introduction to Number Theory <i>Instructor of Record</i>	<i>UC Santa Cruz</i> Fall 2021, Summer 2021*
MATH 111T – Algebra <i>Teaching Assistant</i> (Fellowship under SEMILLA Teach)	<i>UC Santa Cruz</i> Spring 2021*
MATH 100 – Introduction to Proof and Problem Solving <i>Teaching Assistant</i> (Fellowship under SEMILLA Teach)	<i>UC Santa Cruz</i> Winter 2021*
MATH 105A – Real Analysis <i>Instructor of Record</i>	<i>UC Santa Cruz</i> Fall 2020*
MATH 3 – Precalculus <i>Instructor of Record</i> <i>Teaching Assistant</i>	<i>UC Santa Cruz</i> Summer 2020* Spring 2020, Fall 2019
MATH 181 – History of Mathematics <i>Teaching Assistant</i>	<i>UC Santa Cruz</i> Winter 2020
MAT260 – Linear Algebra <i>Teaching Assistant</i> <i>Tutor, Learning & Academic Support Centre</i>	<i>Shiv Nadar University</i> Fall 2015 Spring 2015
MAT284 – Probability and Statistics <i>Tutor, Learning & Academic Support Centre</i>	<i>Shiv Nadar University</i> Spring 2015
MAT101 – Calculus I <i>Tutor, Learning & Academic Support Centre</i>	<i>Shiv Nadar University</i> Fall 2014

SERVICE & ORGANIZING	Mathematics Department Peer Mentorship Program <i>Co-organiser, with David Rubinstein, Jennifer Guerrero, Ryan Pugh</i>	UC Santa Cruz August 2021 – present
	Directed Reading Program <i>Co-organiser, with Nathan Marianovsky</i>	UC Santa Cruz August 2021 – present
	Graduate Student Colloquium, Mathematics Department <i>Co-organiser, with David Rubinstein</i>	UC Santa Cruz December 2020 – present
	Association for Women in Mathematics Chapter <i>Member, Organizing Committee; Webmaster</i>	UC Santa Cruz November 2020 – present
	Mathematics Department Diversity & Inclusion Committee <i>Member</i>	UC Santa Cruz October 2020 – present
	Graduate Student Researcher <i>Redesigning Calculus in the Life Sciences</i> Fellowship under the GANAS-Career Pathways grant	CITL, UC Santa Cruz Summer 2021
	CITL Summer Peer Support Fellowship <i>Member, Peer Support Team</i>	CITL, UC Santa Cruz Spring – Summer 2021
OUTREACH	Directed Reading Program <i>Mentor, Yijia Sun</i>	UC Santa Cruz
	ERROR CORRECTING CODES <i>Mentor, Anna Yoon</i>	Fall 2021
	INTRODUCTION TO ELLIPTIC CURVES & CRYPTOGRAPHY	Winter 2020
	Twoples <i>Mentor, Lalit Mohan Sharma (University of Delhi)</i>	
	AN INTRODUCTION TO VARIETIES	Fall 2021
	Panelist, The Roles and Contributions of TAs <i>Graduate Preparation Program 2021</i>	UC Santa Cruz August 2021
	Panelist, Graduate Student Perspectives: A Year in Review <i>Lunch in the Time of COVID</i>	May 2021
	Duke Talent Identification Program (Duke TIP) <i>Residential Counselor</i>	Shiv Nadar University May 2015
PROFESSIONAL DEVELOPMENT	Preparing for Inclusive Teaching Workshop <i>CITL, HSI Initiatives, Mathematics Department</i>	UC Santa Cruz September 2020, 2019
	Graduate Certificate in Course Design & Delivery <i>Center for Innovations in Teaching and Learning (CITL)</i>	UC Santa Cruz Spring 2020
	Integrated Course Design for Remote Instruction <i>Online Education (OE)</i>	UC Santa Cruz Spring 2020
	Graduate Certificate in Teaching for Equity <i>Center for Innovations in Teaching and Learning (CITL)</i>	UC Santa Cruz 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	February 2021 – present

American Mathematical Society

October 2019 – present

LANGUAGES

English, Hindi, Telugu
