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| 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> \LaTeX 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* Topic: <i>Ekedahl-Oort Strata for Abelian Varieties</i> Leader: <i>Maria Fox</i> <i>Automorphic Forms Beyond GL_2</i>, Arizona Winter School <i>University of Arizona, Tuscon, USA</i> | Jun – Jul 2022 Mar 2022 |

*REMOTE

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| 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* Topic: <i>Invariants of p-torsion in characteristic p</i> Leader: <i>Soumya Sankar</i> | Jul 2021 |
| <i>Sparsity of Algebraic Points</i> , 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

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| <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 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

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| <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

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| Head Support-TA <i>Head TA Team, Mathematics Department</i> | Jul 2022 – present |
| Mathematics Department Peer Mentorship Program <i>Organiser, co-organising with David Rubinstein, Jennifer Guerrero, Ryan Pugh</i> | Aug 2021 – present |
| Directed Reading Program <i>Organiser, co-organising with Nathan Marianovsky</i> | Aug 2021 – present |
| Association for Women in Mathematics Chapter <i>Member, Organising Committee</i> | Nov 2020 – Aug 2022 |

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| 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

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| <i>Mentor</i> (with David Rubinstein), Kenneth Gee THE (CURRY–HOWARD–) LAMBEK CORRESPONDENCE | Summer – Fall 2022 |
| <i>Mentor</i> , Miles Mitchell AFFINE ALGEBRAIC GROUPS AND HOPF ALGEBRAS | Spring 2022 |
| <i>Mentor</i> , Morea Lee GALOIS THEORY OVER \mathbf{Q} | Winter 2022 |
| <i>Mentor</i> , Yijia Sun LINEAR ERROR CORRECTION CODES | Fall 2021 |
| <i>Mentor</i> , Anna Yoon ELLIPTIC CURVE CRYPTOGRAPHY | Winter 2020 |
| Panelist, The Roles and Contributions of TAs <i>Graduate Preparation Program</i> | Aug 2022, 2021 |

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| <i>Mentor</i> , Lalit Mohan Sharma (University of Delhi) NUMBER THEORY OF NUMBER FIELDS: CLASS GROUPS | Jan – Apr 2022 |
| INTRODUCTION TO ALGEBRAIC GEOMETRY: VARIETIES | Aug – Dec 2021 |
| <i>Mentor</i> , Bowen Li (Carleton College) 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

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| <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 <i>Center for Innovations in Teaching and Learning (CITL)</i> | Spring 2020 |

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| AWARDS & SCHOLARSHIPS | State Funded Scholarship, Higher School of Economics | 2017 – 2019 |
| | Full Merit Scholarship, Shiv Nadar University | 2012 – 2016 |
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| MEMBERSHIPS | Association for Women in Mathematics | Feb 2021 – <i>present</i> |
| | American Mathematical Society | Oct 2019 – <i>present</i> |
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| LANGUAGES | English, Hindi (Hindustani), Telugu, Japanese (Beginner) | |