## **Deewang Bhamidipati**

| CONTACT<br>INFORMATION | Mathematics Department Email: bdeewang@ucsc.edu<br>University of California, Santa Cruz Website: bdeewang.com                      | 1                                     |
|------------------------|--|---------------------------------------|
| EDUCATION              | University of California, Santa Cruz<br>PH.D. IN MATHEMATICS<br>Advisor: Juncue Suh  | California, USA<br>Sep 2019 – present |
|                        | M.A. IN MATHEMATICS  | Aug 2020                              |
|                        | Higher School of Economics M.SC. IN MATHEMATICS Advisor: Vadim Vologodsky  | <i>Moscow, Russia</i><br>Jun 2019     |
|                        | Shiv Nadar University B.Sc. (RESEARCH) IN MATHEMATICS Specialisation in Applied Algebra  | Uttar Pradesh, India<br>May 2016      |
| INVITED<br>TALKS       | Frobenius Trace Distributions informed by Angle Rank Joint Mathematics Meetings 2023   | Jan 2023                              |
| Internal<br>Talks      | Angle Ranks of Abelian Varieties over Finite Fields<br>Graduate Student Colloquium, University of California, Santa Cruz           | Nov 2022                              |
| *REMOTE                | IAT <sub>E</sub> X Workshop(s) Undergraduate Student Colloquium, University of California, Santa Cruz                              | Oct, Apr 2022                         |
|                        | Some Invariants of Abelian Varieties over Finite Fields<br>Graduate Student Colloquium, University of California, Santa Cruz       | Oct 2022                              |
|                        | Cohomology on Sites*<br>Graduate Student Colloquium, University of California, Santa Cruz  | Jan 2022                              |
|                        | Fundamental Groups: Topological, Étale, Tannakian*<br>Graduate Student Colloquium, University of California, Santa Cruz            | Oct 2021                              |
|                        | Demystifying the <i>p</i> -adics*  Graduate Student Colloquium, University of California, Santa Cruz                               | Nov 2020                              |
|                        | A First Introduction to Motivic Integration Geometric Structures on Manifolds Seminar, Higher School of Economics                  | Jun 2019                              |
|                        | p-adic Integration and Betti Numbers of Calabi-Yau Varieties Geometric Structures on Manifolds Seminar, Higher School of Economics | Dec 2018                              |
|                        | Mordell's Theorem<br>Graduate Student Seminar, Higher School of Economics  | May 2018                              |
| EXTERNAL<br>TALKS      | What is a scheme?* What is a seminar?  | Oct 2021                              |
| *КЕМОТЕ                | A Non-Archimedean Volume of Hilbert Scheme of Points<br>The Mathematics Society Seminar, Shiv Nadar University                     | Aug 2019                              |

LAST UPDATED: SEPTEMBER 2022

| Programmes,<br>Workshops & | Joint Mathematics Boston, USA  | Jan 2023<br>Jun – Jul 2022   |  |  |  |  |  |
|----------------------------|--|--|--|--|--|--|--|
| CONFERENCES (selected)     | Rethinking Numbe<br>Ekedahl-Oort Strata fo                                       |  |  |  |  |  |  |
| *Кемоте                    | Automorphic Forms<br>University of Arizon  | Mar 2022   |  |  |  |  |  |
|                            | PCMI Graduate Su<br>Number Theory Info<br>Motivic Homotopy<br>IAS/PCMI, Park Cit | Jul 2021   |  |  |  |  |  |
|                            | Rethinking Numbe<br>Invariants of p-torsion                                      | Jul 2021   |  |  |  |  |  |
|                            | Sparsity of Algebras<br>MSRI, Berkeley, Cal                                      | Jun 2021   |  |  |  |  |  |
|                            | Connecticut Summ<br>University of Conne  | Jun 2020   |  |  |  |  |  |
| TEACHING                   | University of California, Santa Cruz   |  |  |  |  |  |  |
| *Кемоте                    | Instructor of Record   | MATH 11B – Calculus with Applications MATH 100 – Introduction to Proof and Problem Solving MATH 103A – Complex Analysis MATH 110 – Introduction to Number Theory MATH 110 – Introduction to Number Theory MATH 105A – Real Analysis MATH 3 – Precalculus   | Summer 2022* Summer 2022* Spring 2022 Fall 2021 Summer 2021* Fall 2020* Summer 2020*                 |  |  |  |  |
|                            | Teaching Assistant   | MATH 19A – Calculus for Sci., Eng., and Math. MATH 11A – Calculus with Applications MATH 111T – Algebra (Fellowship under SEMILLA Teach) MATH 100 – Introduction to Proof and Problem Solving (Fellowship under SEMILLA Teach) MATH 3 – Precalculus MATH 181 – History of Mathematics MATH 3 – Precalculus | Fall 2022<br>Winter 2022<br>Spring 2021*<br>Winter 2021*<br>Spring 2020*<br>Winter 2020<br>Fall 2019 |  |  |  |  |
|                            | SHIV NADAR UNIVERSITY  |  |  |  |  |  |  |
|                            | Teaching Assistant   | MAT260 – Linear Algebra  | Fall 2015  |  |  |  |  |
|                            | Tutor, LASC  | MAT260 – Linear Algebra MAT284 – Probability and Statistics MAT101 – Calculus I LASC = Learning & Academic Support Centre  | Spring 2015<br>Spring 2015<br>Fall 2014  |  |  |  |  |
| Service &                  | University of California, Santa Cruz   |  |  |  |  |  |  |
| ORGANISING                 | Head TA for mentor   |  | Jul 2022 – present   |  |  |  |  |

| Directed Reading Program  Organiser, co-organising with David Rubinstein, Nathan Marianovsky   | Aug 2021 – prese                             |
|--|--|
| Association for Women in Mathematics Chapter   |  |
| President  | Sep 2022 – Aug 202                           |
| General Secretary  | Nov 2020 – Aug 20                            |
| Mathematics Department Peer Support Program  Organiser, co-organising with David Rubinstein, Jennifer Guerrero, Ryan Pugh  | Aug 2021 – Jun 20                            |
| Graduate Student Colloquium, Mathematics Department Organiser, co-organised with David Rubinstein  | Dec 2020 – Jun 20                            |
| Category Theory Learning Seminar Organiser, co-organised with Vaibhav Sutrave, David Rubinstein  | Winter – Spring 20                           |
| Reading Groups, Organiser  |  |
| • Stacks   | Fall 20                                      |
| Étale Cohomology   | Fall 20                                      |
| co-organised with Shane Kennerly, Malachi Alexander  |  |
| Étale Homological Algebra  | Spring 20                                    |
| co-organised with Vaibhav Sutrave, Malachi Alexander   |  |
| A Course in Arithmetic by JP.Serre   | Winter, Summer 20                            |
| Mathematics Department DEI Committee<br>Graduate Student Member  | Oct 2020 – Jun 20                            |
| • <i>Mentor</i> , Brooke Zhang TBD   | Fall 20                                      |
| <ul> <li>Mentor (with David Rubinstein), Kenneth Gee</li> <li>THE (CURRY-HOWARD-)LAMBEK CORRESPONDENCE</li> </ul>  | Summer – Fall 20                             |
| Mentor, Miles Mitchell     AFFINE ALGEBRAIC GROUPS AND HOPF ALGEBRAS   | Spring 20                                    |
| • <i>Mentor</i> , Morea Lee GALOIS THEORY OVER <b>Q</b>  | Winter 20                                    |
| Mentor, Yijia Sun     LINEAR ERROR CORRECTION CODES  | Fall 20                                      |
| <ul> <li>Mentor, Anna Yoon</li> <li>ELLIPTIC CURVE CRYPTOGRAPHY</li> </ul>   | X47  |
| Panelist, The Roles and Contributions of TAs   | Winter 20                                    |
| Graduate Preparation Program   |  |
| •  | Winter 20<br>Aug 2022, 20                    |
| Graduate Preparation Program   | Aug 2022, 20                                 |
| <ul> <li>Graduate Preparation Program</li> <li>Twoples</li> <li>Mentor, Lillian Frey TBD</li> <li>Mentor, Lalit Mohan Sharma (University of Delhi) NUMBER THEORY OF NUMBER FIELDS: CLASS GROUPS</li> </ul>   | Aug 2022, 20<br>Sep – Dec 20<br>Jan – Apr 20 |
| <ul> <li>Graduate Preparation Program</li> <li>Twoples</li> <li>Mentor, Lillian Frey TBD</li> <li>Mentor, Lalit Mohan Sharma (University of Delhi) NUMBER THEORY OF NUMBER FIELDS: CLASS GROUPS INTRODUCTION TO ALGEBRAIC GEOMETRY: VARIETIES</li> </ul> |  |
| <ul> <li>Graduate Preparation Program</li> <li>Twoples</li> <li>Mentor, Lillian Frey TBD</li> <li>Mentor, Lalit Mohan Sharma (University of Delhi) NUMBER THEORY OF NUMBER FIELDS: CLASS GROUPS</li> </ul>   | Aug 2022, 20<br>Sep – Dec 20<br>Jan – Apr 20 |

OUTREACH

| Panelist, Graduate | Student Pers | pectives: A | Year in Review |
|--------------------|--------------|-------------|----------------|
|--------------------|--------------|-------------|----------------|

Lunch in the Time of COVID May 2021

| PEDAGOGICAL    |
|----------------|
| & Professional |
| DEVELOPMENT    |

## UNIVERSITY OF CALIFORNIA, SANTA CRUZ

Graduate Student Researcher, Redesigning Calculus in the Life Sciences

Mathematics Department

Summer 2021

& Center for Innovations in Teaching and Learning (CITL)

Fellowship under the GANAS-Career Pathways grant

Summer GSI (Graduate Student Instructor) Peer Support Team

Center for Innovations in Teaching and Learning (CITL)

Spring – Summer 2021

**Preparing for Inclusive Teaching** 

Center for Innovations in Teaching and Learning (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** 

Center for Innovations in Teaching and Learning (CITL)

Spring 2020

**Graduate Certificate in Teaching for Equity** 

Center for Innovations in Teaching and Learning (CITL)

Spring 2020

AWARDS, GRANTS & SCHOLARSHIPS State Funded Scholarship, Higher School of Economics

Full Merit Scholarship, Shiv Nadar University 2012 – 2016

MEMBERSHIPS As

**Association for Women in Mathematics** 

Feb 2021 – present

2017 - 2019

**American Mathematical Society** 

Oct 2019 – present

**LANGUAGES** 

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