CONTACT INFORMATION	Mathematics Department Email: bdeewa University of California, Santa Cruz Website: bdeev	
EDUCATION	University of California, Santa Cruz PH.D. IN MATHEMATICS Advisor: <i>Martin Weissman</i>	California, USA Sep 2019 – present
	M.A. IN MATHEMATICS	Aug 2020
	Higher School of Economics M.SC. IN MATHEMATICS Advisor: Vadim Vologodsky	Moscow, Russia Jun 2019
	Shiv Nadar University B.Sc. (RESEARCH) IN MATHEMATICS Specialisation in Applied Algebra	Uttar Pradesh, India May 2016
INVITED TALKS	Frobenius Trace Distributions informed by Angle Rank Joint Mathematics Meetings, Boston, MA	Jan 2023
INTERNAL TALKS	A Point is Worth a Shape: Introducing Moduli Spaces Undergraduate Student Colloquium, University of California,	Feb 2023 Santa Cruz
КЕМОТЕ	Angle Ranks and Frobenius Distributions Graduate Student Colloquium, University of California, Santa	Nov 2022 Cruz
	I≜T _E X Workshop Undergraduate Student Colloquium, University of California,	Oct 2022 Santa Cruz
	Some Invariants of Abelian Varieties over Finite Fields Graduate Student Colloquium, University of California, Santa	Oct 2022 Cruz
	I₄T _E X Workshop, Parts I & II Undergraduate Student Colloquium, University of California,	Apr 2022 Santa Cruz
	Cohomology on Sites* Graduate Student Colloquium, University of California, Santa	Jan 2022 Cruz
	Fundamental Groups: Topological, Étale, Tannakian* Graduate Student Colloquium, University of California, Santa	Oct 2021 Cruz
	Demystifying the <i>p</i> -adics* <i>Graduate Student Colloquium, University of California, Santa</i>	Nov 2020 Cruz
	A First Introduction to Motivic Integration Geometric Structures on Manifolds Seminar, Higher School of	Jun 2019 Economics
	p-adic Integration and Betti Numbers of Calabi-Yau Varieties Geometric Structures on Manifolds Seminar, Higher School of	
	Mordell's Theorem Graduate Student Seminar, Higher School of Economics	May 2018

External Talks	What is a scheme What is a seminar		Oct 2021
*ВЕМОТЕ		nn Volume of Hilbert Scheme of Points ociety Seminar, Shiv Nadar University	Aug 2019
PROGRAMMES, WORKSHOPS &	Unlikely Intersections, Arizona Winter School University of Arizona, Tuscon, USA Introductory Workshop: Diophantine Geometry MSRI/SLMath, Berkeley, USA		Mar 2023
CONFERENCES (selected)			Feb 2023
*Кемоте	Joint Mathematics Boston, USA	Meetings	Jan 2023
	Rethinking Number Theory* Project Leader: <i>Maria Fox</i>		Jun – Jul 2022
	Automorphic Forms University of Arizon	s Beyond GL ₂ , Arizona Winter School na, Tuscon, USA	Mar 2022
	PCMI Graduate Su Number Theory Info Motivic Homotopy IAS/PCMI, Park Ci	ormed by Computation (Week 3) Theory (Week 1)	Jul 2021
	Rethinking Numbe Project Leader: <i>Sour</i>		Jul 2021
	Sparsity of Algebraic Points, MSRI Summer Graduate School* MSRI, Berkeley, USA Rational Points and Galois Representations* University of Pittsburgh, USA		Jun 2021
			May 2021
	Unlikely intersection University of Readi	ons, Diophantine geometry, and related fields* ng , UK	Apr 2021
		er School in Number Theory (CTNT)* ecticut, Connecticut, USA	Jun 2020
TEACHING	University of Ca		
REMOTE	Instructor of Record	MATH 105A – Real Analysis 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 2023 Summer 2022* Summer 2022* Spring 2022 Fall 2021 Summer 2021* Fall 2020* Summer 2020*
	Teaching Assistant	MATH 288B – Pedagogy of Mathematics (GSI) 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)	Winter 2023 Fall 2022 Winter 2022 Spring 2021* Winter 2021*

	MATH 3 – Precalculus MATH 181 – History of Mathematics MATH 3 – Precalculus	Spring 2020* Winter 2020 Fall 2019
SHIV NADAR UNI	VERSITY	
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	
University of C	alifornia, Santa Cruz	
	orship and support hematics Department	Jul 2022 – present
Directed Reading	Program	
_	sing with David Rubinstein	Aug 2021 – Jun 2024
Association for Wo	omen in Mathematics Chapter	
President	-	Sep 2022 – Aug 2023
General Secretary		Nov 2020 – Aug 2022
	artment Peer Support Program	Aug 2021 Iun 2022
	sing with Jennifer Guerrero, David Rubinstein, Ryan Pugh	Aug 2021 – Jun 2023
	Colloquium, Mathematics Department sed with David Rubinstein	Dec 2020 – Jun 2022
Category Theory L Organiser, co-organis	earning Seminar sed with Vaibhav Sutrave, David Rubinstein	Winter – Spring 2022
Reading Groups, C	Organiser	
• Topological I co-organised w	Data Analysis vith David Rubinstein	Winter 2023
 Stacks 		Fall 2022
• Étale Cohome co-organised w	ology rith Shane Kennerly, Malachi Alexander	Fall 2021
• Étale Homolo co-organised w	ogical Algebra rith Vaibhav Sutrave, Malachi Alexander	Spring 2021
• A Course in A	Arithmetic by JP.Serre	Winter, Summer 2020
Mathematics Depa Graduate Student M	artment DEI Committee ember	Oct 2020 – Jun 2022
University of C	alifornia, Santa Cruz	
Directed Reading		
 Mentor, Brooke Z COMBINATORIA 	Zhang	Fall 2022
• <i>Mentor</i> (with Dav.	id Rubinstein), Kenneth Gee	
·	OWARD–)LAMBEK CORRESPONDENCE	Summer – Fall 2022
• Mentor, Miles Mi		
Affine Algebr.	AIC GROUPS AND HOPF ALGEBRAS	Spring 2022

SERVICE & ORGANISING

OUTREACH

	• Mentor, Morea Lee	
	GALOIS THEORY OVER Q	Winter 2022
	 Mentor, 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 Graduate Preparation Program	Aug 2022, 2021
	Twoples	
	 Mentor, Lillian Frey (Binghamton University) INTRODUCTION TO CODING THEORY: LINEAR CODES 	Sep – Dec 2022
	 Mentor, Lalit Mohan Sharma (University of Delhi) NUMBER THEORY OF NUMBER FIELDS: CLASS GROUPS INTRODUCTION TO ALGEBRAIC GEOMETRY: VARIETIES 	Jan – Apr 2022 Aug – Dec 2021
	 Mentor, Bowen Li (Carleton College) JOURNEY THROUGH CATEGORY THEORY 	Jan – Apr 2022
	Panelist, Graduate Student Perspectives: A Year in Review Lunch in the Time of COVID	May 2021
PEDAGOGICAL	University of California, Santa Cruz	
& PROFESSIONAL DEVELOPMENT	Equity-Minded Mentoring for Graduate Students Certificate Program Center for Innovations in Teaching and Learning	Spring 2023
	Graduate Student Researcher, Redesigning Calculus in the Life Sciences Mathematics Department & Center for Innovations in Teaching and Learn Fellowship under the GANAS-Career Pathways grant	ning Summer 2021
	Summer Graduate Student Instructor Peer Support Team Center for Innovations in Teaching and Learning	Spring – Summer 2021
	Preparing for Inclusive Teaching Center for Innovations in Teaching and Learning	Sep 2020, 2019
	Integrated Course Design for Remote Instruction Online Education (OE)	Spring 2020
	Course Design & Delivery Certificate Program Center for Innovations in Teaching and Learning	Spring 2020
	Teaching for Equity Certificate Program Center for Innovations in Teaching and Learning	Spring 2020
Awards, Grants & 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