

SHEELA DEVADAS

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EDUCATION

S.B. in Mathematics	Massachusetts Institute of Technology, Cambridge, MA	6/2015
Ph.D. in Mathematics	Stanford University, Stanford, CA	1/2021

EMPLOYMENT

NSF Postdoctoral Fellow	University of Washington, Seattle, WA	9/2021 - 9/2024
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PUBLICATIONS & PREPRINTS

- (With Lieblich, M.) Brauer containers of varieties of maximal Picard number. In preparation.
- GAGA for Henselian schemes. (2023) arXiv.
- Henselian schemes in positive characteristic. (2022) arXiv.
- (With Sun, Y.) The polynomial representation of the type A_{n-1} rational Cherednik algebra in characteristic $p \mid n$. *Communications in Algebra*, 45(5), 1926-1934. (2017) doi: 10.1080/00927872.2016.1226866. arXiv.
- (With Rubinfeld, R.) A Self-Tester for Linear Functions over the Integers with an Elementary Proof of Correctness. *Theory of Computing Systems*. (2014) doi: 10.1007/s00224-015-9639-z. arXiv.
- (With Sam, S. V.) Representations of rational Cherednik algebras of $G(m, r, n)$ in positive characteristic. *Journal of Commutative Algebra*, 6(4), 525-559. (2014) doi: 10.1216/JCA-2014-6-4-525. arXiv.

FELLOWSHIPS & AWARDS

National Science Foundation Mathematical Sciences Postdoctoral Research Fellowship	National Science Foundation (NSF)	2021
NSF Graduate Research Fellowship	NSF	2015
Stanford Graduate Fellowship	Stanford University	2015
Enhancing Diversity in Graduate Education Doctoral Fellowship	Stanford University	2015
Alice T. Schafer Mathematics Prize for Excellence in Mathematics by an Undergraduate Woman	Association for Women in Mathematics	2015

TEACHING

MATH 403	Introduction to Modern Algebra (Group Theory) University of Washington (UW)	3/2024 - 6/2024
MATH 402	Introduction to Modern Algebra (Ring Theory) UW	1/2024 - 3/2024
MATH 402 & 403	Introduction to Modern Algebra UW	1/2023 - 6/2023

ASSISTANTSHIPS

Course Assistant	Southwest Center for Arithmetic Geometry Arizona Winter Semester: Virtual School in Number Theory Quadratic Forms and the Local-Global Principle	3/2021 - 5/2021
Administrative Teaching Assistant	Stanford University MATH 51 Linear Algebra, Multivariable Calculus and Modern Applications	9/2020 - 12/2020
Graduate Teaching Assistant	Stanford University MATH 61DM Modern Mathematics: Discrete Methods	9/2018 - 12/2018
	Stanford University MATH 51 Linear Algebra and Differential Calculus in Several Variables	9/2017 - 12/2017

MENTORING EXPERIENCE

Lead Research Mentor	Program in Mathematics for Young Scientists Boston University	7/2018 - 8/2018
<ul style="list-style-type: none">• Mentored undergraduate counselors and high school students working on ten mathematics research projects in number theory, combinatorics, discrete probability, and other subfields• Co-lead mentor with David Fried		
Research Mentor	Program for Research in Mathematics, Engineering, and Science for High School Students Mass. Inst. of Technology	1/2016 - 12/2016
<ul style="list-style-type: none">• Mentored and guided a high school student in research in combinatorial geometry• Supervised by Prof. Ravi Vakil of Stanford University		

CONFERENCES & WORKSHOPS

Collaborative Workshop in Algebraic Geometry	Institute for Advanced Study Princeton, NJ Experiments with Ceresa cycles of low genus curves	6/2024
FRG workshop on Brauer groups and derived categories	Northwestern University Evanston, IL	10/2023
Stacks Project Workshop	University of Michigan Ann Arbor, MI Solid Modules and Coherent Duality	8/2023
Mathematical Sciences Research Institute (MSRI) Summer Graduate School	MSRI Berkeley, CA Automorphic Forms and the Langlands Program	7/2017 - 8/2017

INVITED TALKS

Brauer containers for complex abelian varieties of maximal Picard number	Center for Communications Research, Princeton, NJ	3/28/2024
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