

Amey Abhay Joshi

DOB: 6 July 2000
email: ameyj200(AT)gmail.com
Website- <https://iamjoshiamey.github.io/>

Education	Michigan State University - Graduate Student College of Natural Sciences Department of Mathematics	Aug' 22 - (ongoing)
	IISER Pune : BS-MS dual degree student Major- mathematics Math GPA-9.7/10 Total GPA- 8.5/10	Aug'17-May '22
	Vivekanand College, Kolhapur :11th and 12th standard	July '15-June '17
	S.M.Lohia high school, kolhapur : 5th-10th standard 10 th standard SSC exam percentage :96/100	June '09-April '15

Employment	MSU-Teaching Excluded Assistant II MSU-Teaching Assistant MTH234 MSU Summer Topology Program Mentor MSU-Teaching Assisstant MTH 314- Matrix Algebra with Applications	Aug22-May23 Summer 23, Fall 23 Summer 23 Spring 24
-------------------	--	---

Interests Symplectic Topology, Four manifold Theory, Gauge Theory.

Publications [Abelian branched covers of rational surfaces](#)
with Robert Harris, Doug Park, Mainak Poddar

Research projects

- Four Manifolds and Gauge Theory
MS Thesis project
- Symplectic Classes of representations

Advisor

Doug Park

Steven Spallone

Reading Projects

- Floer Homology (Ongoing)
- Four Manifolds and Gauge Theory
- h-cobordism theorem
semester project SPRING 2021,
- Characteristic Classes and Milnor's exotic sphere
Summer 2020
- Lie Groupoids and Orbifolds
as a part of VSRP 2020

Advisor

Matthew Stoffregen, Matthew Hedden

Doug Park

Prof. Mainak Poddar

Prof. Mainak Poddar

Prof.S.K.Roushon

- Schemes, Complex Manifolds and non-algebraic manifold mini project of Algebraic Geometry course SPRING 2021 Dr. Vivek Mallick

Conferences and Workshops-

- [Trisectors Workshop](#) 2023
- Introductory Workshop: Floer Homotopy Theory Sep'22
- "Geometric Topology" conference Dec-2019.
- [IISc-IISER math symposium](#) Sep-2021.
- [Unifying Themes in Geometry](#) Sep 2021.

Awards and Honors

- [Infosys](#) foundation scholarship 2021-22
- [TIFR Visiting Student Research Program](#) fellow Summer 2020
- IISER Mohali Summer Research fellow Summer 2019
- National Graduate Physics Exam 2018-19: national top 1 percent
- DST-INSPIRE SHE fellow since 2017
- IIT-JEE Advanced 2017 All India Rank-5056 (equivalent to 99 percentile)

References

- [Prof. Matthew Hedden](#)
- [Dr. Matthew Stroffregen](#)
- [Prof.Doug Park](#), Department of Mathematics, University of Waterloo, Ontario, Canada.
email : [bdpark\(AT\)uwaterloo.ca](mailto:bdpark@uwaterloo.ca)
- [Prof.Mainak Poddar](#), Chair, Department of Mathematics, IISER Pune.
email : [mainak\(AT\)iiserpune.ac.in](mailto:mainak@iiserpune.ac.in)
- [Dr.Steven Spallone](#), Associate professor, Department of Mathematics IISER Pune.
email : [sspallone\(AT\)iiserpune.ac.in](mailto:sspallone@iiserpune.ac.in)

Software

- Python
- SageMath
- \LaTeX

Languages

- English : Fluent
- Hindi : Fluent
- Marathi: Mother Tongue
- Sanskrit: High school elective