



Sahil Karawade

Manipal Academy of Higher Education(MAHE), Manipal

Email: sahilkarawade99@gmail.com

☎: (+91) 9004211233

DOB: 09/07/1999

Education

2020-2022(May expected)	M.Sc. in Applied Mathematics and Computing CGPA- 9.42/10
2017-2020	B.Sc. in Mathematics CGPA- 9.28/10

Research Interest

Algebraic Geometry and allied areas-Arithmetic Geometry and Moduli Spaces

Conferences and Workshops attended

- Stanford Algebraic Geometry online seminar series(weekly).
 1. Derived category of moduli of vector bundles by Han-Bom Moon.
 2. Line bundles in equivariant elliptic cohomology by Arnav Tripathy.
 3. Donaldson-Thomas theory of the quantum Fermat quintic by Kai Behrend.
 4. Properness of the K-moduli space by Ziquan Zhuang.
 5. Resolutions of Richardson varieties, stable curves, and dual simplicial spheres by Allen Knutson.
 6. Higher Fano manifolds by Enrica Mazzon.
 - ETH Algebraic Geometry and Moduli Spaces Zoominar.
 1. The Chow rings of moduli spaces of elliptic surfaces by Samir Canning
 2. Gromov-Witten invariants of complete intersections by Lothar Göttsche
 3. Counting surfaces on Calabi-Yau fourfolds by Younghun Bae
 - Combinatorial Algebra meets Algebraic Combinatorics ,2022
 - CARAMS International workshop on Cooperative TU Games using Matrices and Graphs(worth 2 credit points), December 2021.
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Project

- Equivalence of categories between category of affine varieties and the opposite of category of finitely generated integral domains over algebraically closed field.

Guide: Dr. Harikrishnan Panackal

Technical Skills

1) Language- Python

2) Software and Tools- GitHub, Jupyter Notebook, LaTeX, SageMath.