

Xiaoxiang Zhou

Curriculum Vitae



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<https://ramified.github.io/>

PERSONAL

NATIONALITY China

09/03/1999 Born in Ningde, Fujian, China

AREAS OF INTEREST

My research lies at the interface of algebraic geometry and geometric representation theory. My present focus is on subvarieties of abelian varieties, monodromy groups, and perverse sheaves. During my master's studies, I investigated quiver flag varieties, focusing on their K -theory and the affine paving property.

EDUCATION

2023 – NOW **Ph.D.**

INSTRUCTOR: PROF. DR. THOMAS KRÄMER

Department of Mathematics

Humboldt-Universität zu Berlin, Berlin, Germany

2020 – 2023 **Master of Sciences**

Department of Mathematics

Bonn University, Bonn, Germany

2016 – 2020 **Bachelor of Sciences**

HUA LOO-KENG TALENT PROGRAM (FROM 2017)

School of the Gifted Young

University of Science and Technology of China, Hefei, Anhui, China

2018 FALL **Exchange Program (BICMR)**

ENHANCED PROGRAM FOR GRADUATE STUDY

2014 – 2016 **Senior High School**

the Affiliated High School of Fujian Normal University, Fuzhou, Fujian, China

PUBLICATIONS & THESIS

2025 **Published:** Affine pavings of quiver flag varieties

Journal of Pure and Applied Algebra, Volume 229, Issue 6, 2025

2023 **Master Thesis:** Geometry of Quiver Flag Varieties

Instructors: Prof. Stroppel, Dr. Eberhardt

2020 **Bachelor Thesis:** Modular form and Equations of degree 5

Instructor: A.P. Jinxing Xu

2019 **Research Project:** Mordell Theorem

Instructor: Prof. Wen-wei Li

TEACHING ASSISTENT WORK

2022-2023 **Mathematik für Physiker III**

Instructor: Dr. Illia Karabash