

Zheng Xu

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Statement

I am a Ph.D. student of Academy of Mathematics and Systems Science, Chinese Academy of Sciences (CAS). My major is fundamental mathematics and I study algebraic geometry under the supervision of Professor Wenhao Ou. My interests include birational geometry and Hodge theory, especially in positive and mixed characteristics.

Education

Ph.D., fundamental mathematics, Chinese Academy of Sciences (CAS), 2021 to 2024 (expc.)
M.S., fundamental mathematics, Chinese Academy of Sciences (CAS), 2021
B.S., mathematics and applied mathematics, Hunan University of Science and Technology, 2018

Papers

Preprints

1. Xu Z. Abundance for threefolds in positive characteristic when $\nu = 2$ [J]. arXiv preprint arXiv:2307.03938, 2023.
2. Xu Z. Note on the 3-dimensional lc abundance in characteristic > 3 [J]. arXiv preprint arXiv:2212.04039, 2022.

Invited Talk

Algebraic Geometry Seminar in Saarland University, online, December 2023
Young Perspectives on Algebraic Geometry, Academy of Mathematics and Systems Science, Chinese Academy of Sciences, December 2023
Southeast Algebraic Geometry Symposium, Southern University of Science and Technology, Dept. of Mathematics, April 2023
Beijing Guangzhou Algebraic Geometry Symposium, Online, January 2023

Language

Native Chinese (Mandarin)
Fluent English

December 8, 2023