Zheng Xu

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Statement

I study algebraic geometry and I am a postdoctoral fellow of BICMR, Peking University. Before that, I got my Ph.D. from Academy of Mathematics and Systems Science, Chinese Academy of Sciences (CAS) in June 2024, supervised by 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), 2024

M.S., fundamental mathematics, Chinese Academy of Sciences (CAS), 2021

B.S., mathematics and applied mathematics, Hunan University of Science and Technology, 2018

Academic Employment

Peking University, Beijing, China
Postdoc, 2024 - 2026

Visiting position

Visiting Student Research Collaborator, Princeton University, February 2024 to April 2024.

Papers

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 THREE-DIMENSIONAL LOG CANONICAL ABUNDANCE IN CHARACTERISTIC >3. Nagoya Mathematical Journal. Published online 2024:1-30. doi:10.1017/nmj.2024.3

Invited Talks

Algebraic Geometry Seminar, Princeton University, Dept. of Mathematics, March 2024

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

August 21, 2024