

Minzhe Zhu

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🌐 <http://minzhezhu.github.io>

Address

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Employment

Sep. 2025 – present 📍 **Research Fellow**, Korea Institute for Advanced Study (KIAS).

Education

- Jun. 2025 📍 **Ph.D. Pure Mathematics, Fudan University** Birational Geometry.
Advisor: Prof. Meng Chen
Thesis title: *Boundedness of stable minimal models with klt singularities*
- Jun. 2020 📍 **B.S. Pure and applied Mathematics, Fudan University**

Research Publications

- 1 Y.-A. Chen and M. Zhu, *Boundedness of polarized foliated surfaces*, Jul. 2026. arXiv: 2607.28586.
- 2 X. Jiang, J. Jiao, and M. Zhu, *Boundedness of polarized log calabi-yau fibrations with bounded bases*, To appear in J. Eur. Math. Soc., Apr. 2025. arXiv: 2504.05243.
- 3 M. Zhu, “Boundedness of stable minimal models with klt singularities,” *International Mathematics Research Notices*, vol. 2025, rnae293, 2 Jan. 2025. 📄 DOI: 10.1093/imrn/rnae293.
- 4 M. Zhu, *On explicit birational geometry for polarised varieties*, Mar. 2023. arXiv: 2303.12292.
- 5 M. Zhu, *On explicit birational geometry for weak fano varieties and polarised calabi-yau varieties*, Jan. 2023. arXiv: 2301.07462.

Teaching Experience

- 2022 Fall 📍 **TA, Abstract Algebra**, Fudan University
- 2021 Fall 📍 **TA, Abstract Algebra**, Fudan University
- 2020 Fall 📍 **TA, Abstract Algebra**, Fudan University

Languages

- 📍 **Chinese** Native
- 📍 **English** Fluent
- 📍 **Japanese** Beginner
- 📍 **Korean** Beginner

Conference

- 2025.12  **Workshop on Algebraic Geometry**, Tsinghua Sanya International Mathematics Forum.
-  **Workshop on Algebraic Geometry**, School of Mathematical Sciences, Shanghai Jiao Tong University.
- 2025.5  **Conference on Explicit Birational Geometry**, Beijing International Center for Mathematical Research.
- 2024.12  **Workshop on Algebraic Geometry**, Tsinghua Sanya International Mathematics Forum.
- 2024.07  **The 4rd National Algebraic Geometry Conference**, Shandong University.
- 2023.12  **Workshop on Algebraic Geometry**, Tsinghua Sanya International Mathematics Forum.
- 2023.06  **Birational Geometry Workshop**, Yau Mathematical Sciences Center, Tsinghua University.
- 2022.10  **Birational Geometry Workshop**, Beijing Institute of Mathematical Sciences and Applications.
- 2022.07  **The 3rd National Algebraic Geometry Conference**, Shanghai Center for Mathematical Science.

Invited Talks

- 2025.05  **Boundedness of polarized log Calabi-Yau fibrations with bounded bases**, invited by Prof. Caucher Birkar, Tsinghua University.
- 2025.11  **Boundedness of polarized log Calabi-Yau fibrations with bounded bases**, invited by Prof. Sung Rak Choi, Yonsei University.
- 2025.12  **Boundedness of polarized log Calabi-Yau fibrations with bounded bases**, invited by Prof. Yong Hu, Shanghai Jiao Tong University.
-  **Boundedness of polarized log Calabi-Yau fibrations with bounded bases**, invited by Prof. Chuyu Zhou, Xiamen University.
-  **Boundedness of polarized log Calabi-Yau fibrations with bounded bases**, invited by Prof. Caucher Birkar, Tsinghua Sanya International Mathematics Forum.
- 2026.05  **Boundedness of polarized log Calabi-Yau fibrations with bounded bases**, invited by Prof. Yongnam Lee, Center for Complex Geometry of the Institute for Basic Science.
- 2026.07  **Minimal model program for klt adjoint foliated surfaces**, invited by Prof. Dano Kim, Seoul National University.