

Xiaowei Jiang

I am currently a Ph.D. student in pure mathematics at Tsinghua University, under the supervision of Professor Caucher Birkar.

Education

Xidian University, Xi'an, China

Sep 2013–Jun 2017

Undergraduate Student in Electronic Science and Technology

Peking University, Beijing, China

Sep 2017–Jun 2020

Master's Student in Electronic Science and Technology

Tsinghua University, Beijing, China

Sep 2020–

Ph.D. Student in Pure Mathematics

Supervisor: Caucher Birkar

Research fields

- Birational Geometry
- Minimal Model Program
- Boundedness and Moduli of Algebraic Varieties

Papers

3. C. Hacon, **X. Jiang**, *Failure of Boundedness for Generalised Log Canonical Surfaces*, [arXiv:2504.06482](#).
2. **X. Jiang**, J. Jiao and M. Zhu, *Boundedness of polarized log Calabi-Yau fibrations with bounded bases*, [arXiv:2504.05243](#).
1. **X. Jiang**, *Boundedness and moduli of klt good minimal models*, [arXiv:2312.03313](#).

Other writings

1. **X. Jiang**, V. Lazić and N. Tsakanikas, *Appendix to Special MMP for log canonical generalised pairs*, [arXiv:2108.00993](#).

Organized Seminars

2021-2023 [Tsinghua Birational Geometry Learning Seminar](#).

2023-2024 [Birational Geometry Students' Seminar](#).

Talks

Aug 2025 Boundedness of polarized log Calabi-Yau fibrations with bounded bases, Tsinghua University, Beijing Algebraic Geometry Day.

June 2025 Boundedness and moduli of klt good minimal models, Chongqing University.

Yau Mathematical Sciences Center, Tsinghua University
Shuangqing Complex Building, C740

☎ (+86)17610769503 • ✉ jxw20@mails.tsinghua.edu.cn

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- May 2025 Boundedness of polarized log Calabi-Yau fibrations with bounded bases, Tsinghua University, Algebraic Geometry Workshop.
- May 2025 Boundedness of klt good minimal models (I,II), Xiamen University.
- Nov 2024 Boundedness of Fano Type Fibrations, East China Normal University, AG Seminar.
- Jan 2024 Boundedness and moduli of traditional stable minimal models, Peking University, AG Preprint Seminar.

Teaching

- Spring 2022 Algebraic geometry, Teaching Assistant.

Visting

- Jun 2025 visiting Yu Zou, Chongqing University, Chongqing, China.
- May 2025 visiting Chuyu Zhou, Xiamen University, Xiamen, China.
- Spring 2025 visiting Christopher Hacon, the University of Utah, Salt Lake City, USA.
- Nov 2024 visiting Lu Qi, East China Normal University, Shanghai, China.
- Aug 2024 visiting Santai Qu, Institute of Geometry and Physics, USTC, Shanghai, China.

Travel

- Oct 2025 Workshop on Boundedness and Moduli Problems in Birational Geometry and Foliation Theory, Centro di Ricerca Matematica Ennio De Giorgi, Pisa, Italy.
- Aug 2025 Summer School on Birational Geometry of Foliations, Peking University, Beijing, China.
- Jul 2025 2025 Summer Research Institute in Algebraic Geometry, Colorado State University, Fort Collins, CO, USA.
- Jul 2025 2025 SCMS Algebraic Geometry Summer School, Fudan, Shanghai, China.
- Jun 2025 Workshop on Fano Varieties, Peking University, Beijing, China.
- Jun 2025 Southeastern Algebraic Geometry Symposium VIII, SUSTech, Shenzhen, China.
- May 2025 Conference on Explicit Birational Geometry, Peking University, Beijing, China.
- Dec 2024 Workshop on algebraic geometry, TSIMF, Sanya, China.
- Oct 2024 Birational Algebraic Geometry Workshop, CQUT, Chongqing, China.
- Sep 2024 Workshop on Birational Geometry, Fudan University, Shanghai, China.
- Aug 2024 Foliation and Birational Geometry, Fudan University, Shanghai, China.
- Aug 2024 Workshop on Hodge theory 2024, University of Science and Technology of China, Hefei, China.
- Jul 2024 International Summer School of Algebraic Geometry, Fudan University, Shanghai, China.
- Jul 2024 The 4th National Algebraic Geometry Conference, Shandong University, Weihai, China.
- Apr 2024 Complex Algebraic Geometry and Related Topics, Academy of Mathematics and Systems Science, Beijing, China.
- Apr 2024 Spring Workshop on Algebraic Geometry, Wuhan University, Wuhan, China.
- Dec 2023 Workshop on algebraic geometry, TSIMF, Sanya, China.
- Dec 2023 Young Perspectives on Algebraic Geometry, Academy of Mathematics and Systems Science, Beijing, China.
- Jun 2023 Birational Algebraic Geometry Workshop, CQUT, Chongqing, China.

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- May 2023 Conference on Algebraic Geometry and Related Topics, Nanjing University, Nanjing, China.
- Apr 2023 2023 Workshop on Explicit Birational Geometry, Fudan University, Shanghai, China.
- Apr 2023 Southeastern Algebraic Geometry Symposium (IV), SUSTech, Shenzhen, China.
- Oct 2022 Birational Geometry Workshop, BIMSA, Beijing, China.
- Jul 2021 Summer School on Birational Geometry of Algebraic Varieties, Xiamen University, Xiamen, China.
- Nov 2020 Workshop on Geometric Structures and Topological Invariants, Sichuan University, Chengdu, China.

Languages

Chinese: Native

English: Advanced