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Research fields

Algebraic Geometry, Birational Geometry

Education

2014–2018 BSc, [Zhejiang University](#), Hangzhou
School of Mathematical Sciences, Chu Kochen Honors College

2018–now PhD candidate - [National University of Singapore](#), Singapore
Department of Mathematics

Honours & Awards

2018–2022 President's Graduate Scholarship, National University of Singapore

2017 National Scholarship, Zhejiang University

2017 First-class Scholarship for Outstanding Merits, Zhejiang University

2016–2017 First-class Scholarship for Elite Students in Basic Science, Zhejiang University

Publications

Accepted articles

1. Potential density of projective varieties having an int-amplified endomorphism, New York J. Math. **28** (2022) 433-444. (with T. Shibata and D.-Q. Zhang) [pdf](#)

Preprints

1. Surjective endomorphisms of projective surfaces – the existence of infinitely many dense orbits, [arXiv:2104.05339](#) (with J. Xie and D.-Q. Zhang)
2. Amplified endomorphisms of Fano fourfolds, [arXiv:2005.03628](#) (with G. Zhong)
3. Endomorphisms of quasi-projective varieties – towards Zariski dense orbit and Kawaguchi-Silverman conjectures [arXiv:2005.03628](#) (with T. Shibata, J. Xie and D.-Q. Zhang)
4. Equivariant Kähler model for Fujiki's class [arXiv:2108.11595](#) (with S. Meng)

Seminar Talks

- Surjective Endomorphisms of Projective Surfaces, Algebraic Dynamics Seminar, Korea Institute for Advanced Study, 15 July 2020
- Surjective Endomorphisms of Projective Surfaces, Topology & Geometry Seminar, National University of Singapore, 21 Oct. 2020
- Surjective Endomorphisms of Affine and Projective Surfaces, Seminar of Algebraic Geometry in East Asia, 3 Sept. 2021
- Potential density of projective varieties, Topology & Geometry Seminar, National University of Singapore, 12 Jan. 2022

Teaching Experience

- Fall 2019, Basic Applied Mathematics for Sciences (Tutor)
- Spring 2020, Multivariable Calculus (Tutor)
- Fall 2020, Basic Discrete Mathematics (Tutor)

Skills

Languages

Chinese - mother tone
English - fluent

Programming

Lua
Python
Swift/SwiftUI

Software

git - source version control
Neovim
T_EX

References

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[Keiji Ogiso](#)

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[De-Qi Zhang](#) (supervisor)

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