Jia Jia

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Nationality   Chinese

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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

2. Amplified endomorphisms of Fano fourfolds, manuscripta mathematica (2022) (with G. Zhong) link

3. Endomorphisms of quasi-projective varieties – towards Zariski dense orbit and Kawaguchi-Silverman conjectures, Mathematical Research Letters (with T. Shibata, J. Xie and D.-Q. Zhang) arXiv: 2104.05339

4. Surjective endomorphisms of projective surfaces – the existence of infinitely many dense orbits, Mathematische Zeitschrift (with J. Xie and D.-Q. Zhang) arXiv: 2005.03628

Preprints

1. Equivariant Kähler model for Fujiki's class (with S. Meng) arXiv:2108.11595

2. Automorphisms groups of compact complex surfaces: T-Jordan property, Tits alternative and solvability arXiv:2208.07336

3. Moishezon manifolds with no nef and big classes (with S. Meng) arXiv:2208.12013

4. Wild automorphisms of compact complex spaces of lower dimensions (with L. Wang) arXiv:2211.12245

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

- Automorphisms Groups of Compact Complex Surfaces, Workshop: Recent Development in Algebraic Geometry, National University of Singapore, 30 August 2022

Teaching Experience

- Fall 2019, Basic Applied Mathematics for Sciences (Tutor)

- Spring 2020, Multivariable Calculus (Tutor)

- Fall 2020, Basic Discrete Mathematics (Tutor)

Skills

Languages	Programming	Software
Chinese - mother tone	Lua	git - source version control
English - fluent	Python	Neovim
	Swift/SwiftUI	T_EX

References

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