

## Research Interest

algebraic geometry, birational geometry

## Education

### NUS (National University of Singapore)

PH.D. CANDIDATE IN MATHEMATICS

Singapore

Aug. 2018 - Now

### ZJU (Zhejiang University)

B.S. IN MATHEMATICS AND APPLIED MATHEMATICS

Hangzhou, P. R. China

Aug. 2014 - Jun. 2018

- School of Mathematical Science, Chu Kochen Honors College
- Thesis: "Quadratic differentials on Riemann surfaces", Advisor: YU FEI

## Honors & Awards

2018 - 2022	<b>President's Graduate Scholarship</b> , National University of Singapore	Singapore
2017	<b>National Scholarship</b> , Zhejiang University	P. R. China
2017	<b>First-class Scholarship for Outstanding Merits</b> , Zhejiang University	P. R. China
2016 - 2017	<b>First-class Scholarship for Elite Students in Basic Science</b> , Zhejiang University	P. R. China

## Publications & Preprints

### PUBLICATIONS

**Potential density of projective varieties having an int-amplified endomorphism** *New York J. Math.* 28 (2022) 433-444  
12 PAGES, WITH T. SHIBATA AND D.-Q. ZHANG 02/2022

### PREPRINTS

**Surjective endomorphisms of projective surfaces – the existence of infinitely many dense orbits** *arXiv: 2005.03628*  
26 PAGES, WITH J. XIE AND D.-Q. ZHANG 05/2020

**Amplified endomorphisms of Fano fourfolds** *arXiv: 2011.11239*  
34 PAGES, WITH G. ZHONG 11/2020

**Endomorphisms of quasi-projective varieties – towards Zariski dense orbit and Kawaguchi-Silverman conjectures** *arXiv: 2104.05339*  
35 PAGES, WITH T. SHIBATA, J. XIE AND D.-Q. ZHANG 04/2021

**Equivariant Kähler model for Fujiki's class** *arXiv: 2108.11595*  
14 PAGES, WITH S. MENG 01/2022

## Seminar Talks

### Surjective Endomorphisms of Projective Surfaces

ALGEBRAIC DYNAMICS SEMINAR

KIAS

15 July 2020

## Surjective Endomorphisms of Projective Surfaces

TOPOLOGY & GEOMETRY SEMINAR

NUS

21 October 2020

## Surjective Endomorphisms of Affine and Projective Surfaces

SEMINAR OF ALGEBRAIC GEOMETERS IN EAST ASIA

AGEA

3 September 2021

## Potential density of projective varieties

TOPOLOGY & GEOMETRY SEMINAR

NUS

12 January 2022

## Teachings

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**Fall 2019, MA1421** Basic Applied Mathematics for Sciences, Dr. Zhi Han Lim, NUS, (Tutor)

**Spring 2020, MA2104** Multivariable Calculus, Prof. Ser Peow Tan, NUS, (Tutor)

**Fall 2020, MA1100** Basic Discrete Mathematics, Prof. Chee Whye Chin, NUS, (Tutor)

## Skills

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**Programming** Lua, Python, Swift

**Languages** Chinese, English

## Links

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**Sheng Meng, Doctor** Research Fellow at Korea Institute for Advanced Study, South Korea

**Junyi Xie, Doctor** Chargé de recherche, IRMAR - Université de Rennes 1, France

**Guolei Zhong, Doctor** Postdoctoral Research Fellow at Center for Complex Geometry of Institute for Basic Science, South Korea

**De-Qi Zhang, Professor** Department of Mathematics, National University of Singapore, Singapore