

## 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

08/2018 - 07/2022	<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
2017	<b>First-class Scholarship for Elite Students in Basic Science</b> , Zhejiang University	P. R. China
2016	<b>First-class Scholarship for Elite Students in Basic Science</b> , Zhejiang University	P. R. China

## Publications & Preprints

### PUBLICATIONS

### PREPRINTS

<b>Surjective endomorphisms of projective surfaces – the existence of infinitely many dense orbits</b>	arXiv preprint
26 PAGES, WITH J. XIE AND D.-Q. ZHANG	05/2020
<b>Amplified endomorphisms of Fano fourfolds</b>	arXiv preprint
34 PAGES, WITH G. ZHONG	11/2020
<b>Endomorphisms of quasi-projective varieties – towards Zariski dense orbit and Kawaguchi-Silverman conjectures</b>	arXiv preprint
35 PAGES, WITH T. SHIBATA, J. XIE AND D.-Q. ZHANG	04/2021
<b>Potential density of projective varieties having an int-amplified endomorphism</b>	arXiv preprint
12 PAGES, WITH T. SHIBATA AND D.-Q. ZHANG	08/2021

## Seminar Talks

### Surjective Endomorphisms of Projective Surfaces

ALGEBRAIC DYNAMICS SEMINAR

KIAS

July 2020

### Surjective Endomorphisms of Projective Surfaces

TOPOLOGY & GEOMETRY SEMINAR

NUS

October 2020

## 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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- Software** MatLab, Mathematica, LaTeX  
**Languages** Chinese, English

## Links

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- Junyi Xie, Doctor** Chargé de recherche, IRMAR - Université de Rennes 1, France  
**De-Qi Zhang, Professor** Department of Mathematics, National University of Singapore, Singapore  
**Guolei Zhong, Doctor** Postdoctoral Research Fellow at Center for Complex Geometry of Institute for Basic Science, South Korea