JIA-HUA CHONG

PhD Student @ National Taiwan University

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EDUCATION

9/2019 - 8/2023 **National Taiwan University**
Bachelor of Science in Mathematics
- Bachelor Thesis: *Correspondence Under Simplicial Toric Flops*, advisor: Prof. Hui-Wen Lin
- Courses Taken (Selected): Introduction to Algebraic Topology, Lie groups and Lie algebras, Algebraic Surfaces, Intersection theory, Introduction to Modular Forms

9/2023 - present **National Taiwan University**
PhD in Mathematics

SEMINARS AND WORKSHOPS

6/2022-9/2022 **Student Seminar in Algebraic Geometry**
Taida Institute of Mathematics
-Report topic: *Derived Functors and Sheaf Cohomology*, *Flat Morphisms*, *Semicontinuity Theorem*

12/2023 **Enumerative Geometry in East Asia**
Institute of Mathematics, Academia Sinica

8/2023 **2023 TIMS Algebraic Geometry Group Meeting**
Taida Institute of Mathematics
- Report topic: Correspondence Under Simplicial Toric Flops

7/2024-8/2024 **Focus Program on Toric Topology, Geometry and Polyhedral Products**
Fields Institute
-Graduate School on Toric Topology
-Workshop on Polyhedral Products
-Workshop on Toric Topology

RESEARCH WORKS

2023 **Correspondence Under Simplicial Toric Flops**
Bachelor thesis

2024- **Localization on $\mathbb{P}^n$**
Preprint

TEACHING EXPERIENCE

Fall 2021 **Teaching Assistant**
Calculus 1,2 for Department of Physics, Calculus 1,2 for international students

AY2023/2024 **Teaching Assistant**
Linear Algebra

Fall 2024 **Teaching Assistant**
Algebra I

AWARDS AND FELLOWSHIPS

Fall 2019 **Dean's List Award**

AY2021/2022 **Excellent Scholarship Award**

AY2021/2022 **Chow Hung-Ching Scholarship Award**

AY2022/2023 **Excellent Scholarship Award**

AY2022/2023	**D.-K Hu's Scholarship Award**
AY2022/2023	**K.-S Shih's Bachelor Thesis Award**
AY2022/2023	**Dean's Award of College of Science**
AY2023/2024	**Royal Palm Elite Doctoral Scholarship**
AY2024/2025	**Royal Palm Elite Doctoral Scholarship**

LANGUAGES

Chinese - Native, **English** - Working Proficiency