

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
- 1/2025 **2025 Algebraic Geometry Group Meeting**
TIMS-NCKU
-Report topic: 1. *Derived categories and derived functors*, 2. *The trace map and duality theorem for projective morphisms*

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