

Chih-Huan Chang

Curriculum Vitae

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EDUCATION

- **University of Pennsylvania** 2026 fall-current
PhD in Mathematics
- **National Taiwan University** 2023-2025
M.S. in Mathematics
 - Advisor: Hsueh-Yung Lin
 - Thesis title: Motivic DT/PT Correspondence
- **National Taiwan University** 2019-2023
B.S. in Mathematics
 - Advisor: Hsueh-Yung Lin

RESEARCH INTERESTS

- **Algebraic Geometry**
 - Enumerative Geometry
 - Categorification of Donaldson-Thomas theory

EMPLOYMENT

- **1-Year Research Trainee**
– Advisor: Adeel Khan Academia Sinica, July 2025–February 2026

RESEARCH VISITS

- **Research Institute for Mathematical Sciences (RIMS), Kyoto University** Oct 2024 – Dec 2024
Visiting Student with Prof. Tasuki Kinjo Kyoto, Japan
 - Topic: Cohomological Donaldson-Thomas theory
 - Supported by the National Center for Theoretical Sciences (NCTS)
- **Kavli IPMU, University of Tokyo** Jan 2025
Short-term Visit with Prof. Yukinobu Toda Kashiwa, Japan
 - Topic: Motivic DT/PT correspondence
 - Supported by the National Center for Theoretical Sciences (NCTS)

TEACHING ASSISTANT EXPERIENCES

- **Teaching assistant of Algebraic Geometry** National Taiwan University, 2024 Spring
Lecturer: Wu-Yen Chuang
- **Teaching assistant of Algebraic Surfaces** National Taiwan University, 2025 Spring
Lecturer: Wu-Yen Chuang

INVITED TALKS

- **Algebraic Geometry Seminar at Academia Sinica** November 2025
Motivic DT/PT Correspondence for Calabi–Yau threefolds

PREPRINTS

- **Motivic DT/PT Correspondence**
<https://arxiv.org/abs/2511.22213v2>