

Ming Hsiao

(+886)972201422 • r12221002@ntu.edu.tw

RESEARCH INTERESTS

My research interests are mainly in Ricci flow and its topological applications. During my master's career, I mainly studied recent work on Ricci flow. In addition, during my undergraduate studies, I studied the Free Probability Theory and Random Matrix Theory and attended some achievements in these fields.

EDUCATION

Master of Science (M.S.) in Mathematics *Supervisor: Professor Yng-Ing Lee* Expected June 2025

National Taiwan University

Bachelor of Science (B.S.) in Mathematics June 2023

National Taiwan University

HONOR

Hu Dun Fu Memorial Scholarship Mar 2024 - June 2024

Undergraduates Student Outstanding Thesis Award *High Distinction Award* 2024

The Mathematical Society of the Republic of China

Dean's Award of College of Science Jun 2023

National Taiwan University

Academic Achievement Award Sep 2021 - June 2023

National Taiwan University

60th International Mathematical Olympiad *Bronze Medal* 2019

TALK AND POSTERS

TMS Annual Meeting *Special Session Speaker* Jan 2024

Analysis and Optimization-**Hadamard product of random matrices and their limiting spectral distributions**

2023 NCTS-Kyoto Mathematics Symposium *Poster presentation* Dec 2023

2023 NCTS-Kyoto Mathematics Symposium

2023 Symposium for Young Analysts *Invited speaker* Jun 2023

Limit Theorem of Hadamard Product Random Matrices

ACEDMIC EXPERIENCE

SLMath Institute | *Visiting Program* Aug 2024 - Nov 2024

- Visiting Professor: **Peter Topping**

SMS | *Summer school* Jun 2024

- **Flows and Variational Methods in Riemannian and Complex Geometry: Classical and Modern Methods**

NTU | *Project Research Scholarship Recipients* Aug 2023 - Present

- Topic: Ricci Flow on Riemannian Manifold/ Advisor: Prof. Yng-Ing Lee

NCTS | *Teaching Assistant (TA) of Differential Forms in Algebraic Topology* Feb 2024 - Jun 2024

NTU | *Teaching Assistant (TA) of Functional Analysis 2* Feb 2024 - Jun 2024

NTU | *Teaching Assistant (TA) of Introduction of Geometry* Sep 2023 - Dec 2023

64th International Mathematical Olympiad | *2023 IMO Taiwan team Observer A* July 2023

NTU | *Teaching Assistant (TA) of Geometry (Honor Program)* Sep 2022 - Dec 2022

National Science and Technology Council | *National Science Council Research Scholarship, TW* Mar 2022 - Mar 2023

- Topic: Free Probability and Hadamard Random Matrix/ Advisor: Prof. Hao-Wei Huan

NCTS | *Undergraduate Research Program* Oct 2021 - Jun 2022

- Topic: Free Probability and Hadamard Random Matrix/ Advisor: Prof. Hao-Wei Huang

NCTS | *Undergraduate Summer Research Program* Jul 2021 - Aug 2021

- Topic: Free Probability and Hadamard Random Matrix/ Advisor: Prof. Hao-Wei Huang