

Ming Hsiao

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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 <i>Supervisor: Professor Yng-Ing Lee</i>	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 <i>High Distinction Award</i>	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 <i>Bronze Medal</i>	2019

TALK AND POSTERS

Graduate Student Seminar <i>Invited speaker</i>	Oct 2024
Preservation of Killing Vector Fields under Ricci Flow	
TMS Annual Meeting <i>Special session speaker</i>	Jan 2024
Analysis and Optimization- Hadamard product of random matrices and their limiting spectral distributions	
2023 NCTS-Kyoto Mathematics Symposium <i>Poster presentation</i>	Dec 2023
2023 NCTS-Kyoto Mathematics Symposium	
2023 Symposium for Young Analysts <i>Invited speaker</i>	Jun 2023
Limit Theorem of Hadamard Product Random Matrices	

ACEDMIC EXPERIENCE

SLMath Institute <i>Visiting Program</i>	Aug 2024 - Nov 2024
• Visiting Professor: Peter Topping	
SMS <i>Summer school</i>	Jun 2024
• Flows and Variational Methods in Riemannian and Complex Geometry: Classical and Modern Methods	
NTU <i>Project Research Scholarship Recipients</i>	Aug 2023 - Present
• Topic: Ricci Flow on Riemannian Manifold/ Advisor: Prof. Yng-Ing Lee	
NCTS <i>Teaching Assistant (TA) of Differential Forms in Algebraic Topology</i>	Feb 2024 - Jun 2024
NTU <i>Teaching Assistant (TA) of Functional Analysis 2</i>	Feb 2024 - Jun 2024
NTU <i>Teaching Assistant (TA) of Introduction of Geometry</i>	Sep 2023 - Dec 2023
64th International Mathematical Olympiad <i>2023 IMO Taiwan team Observer A</i>	July 2023
NTU <i>Teaching Assistant (TA) of Geometry (Honor Program)</i>	Sep 2022 - Dec 2022
National Science and Technology Council <i>National Science Council Research Scholarship, TW</i>	Mar 2022 - Mar 2023
• Topic: Free Probability and Hadamard Random Matrix/ Advisor: Prof. Hao-Wei Huan	
NCTS <i>Undergraduate Research Program</i>	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