

SHUANG-YEN (SEAN) LEE

d10221004@ntu.edu.tw

EDUCATION

National Taiwan University

Bachelor of Science of Mathematics

September 2017 - August 2021

Taipei, Taiwan

- Selected relevant curriculums completed:
Differential Geometry, Algebraic Geometry, Statistics, Discrete Geometry Analysis, Elliptic Curves and Modular Symbols, Algebra (Honor Program), Analysis (Honor Program), Complex Analysis (Honor Program), Geometry (Honor Program)
- GPA: 4.2/4.3
- Rank in class: 2/66
- Bachelor's Thesis: *Characterizing algebraic curves using p -adic norms*

National Taiwan University

PhD in Mathematics

September 2021 - present

Taipei, Taiwan

- *Global Igusa zeta function and K -equivalence, arXiv:2210.06767*

WORK EXPERIENCE

Introduction to Mathematical Analysis Teaching Assistant

National Taiwan University

September 2018 - June 2019

Taipei, Taiwan

Algebra (Honor Program) Teaching Assistant

National Taiwan University

September 2019 - June 2020

Taipei, Taiwan

IMO 2020

National Central University

June 2020 - September 2020

Taoyuan, Taiwan

- IMO 2020 Taiwan team Observer A

Calculus Teaching Assistant

National Taiwan University

September 2020 - June 2021

Taipei, Taiwan

Complex Analysis Teaching Assistant

National Taiwan University

September 2021 - June 2022

Taipei, Taiwan

Lie Groups and Lie Algebras Teaching Assistant

National Taiwan University

September 2022 - January 2023

Taipei, Taiwan

Intersection Theory Teaching Assistant

National Taiwan University

March 2023 - June 2023

Taipei, Taiwan

RESEARCH

Characterizing algebraic varieties using p -adic norms

National Taiwan University

January 2021 - Present

Taipei, Taiwan

- Supervisor: Chin-Lung Wang

LANGUAGES & COMPUTER SKILLS

Chinese (native), English (conversational), C/C++, Python, \LaTeX

AWARDS

International Math Olympiad Silver Medal (2017)

Dean's List Award (6 times)

Dean's Award of College of Science (2021)

Kung-sing Shih's Scholarship for Bachelor's Thesis (2021)