

# Lin, Wangyang(林汪炀)

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Address: Fudan University, 220 Handan Road, Yangpu District, Shanghai, China, 200433

## Research interests

### Geometry and Topology

Topology on complex manifolds, characteristic classes, matroid theory, tropical geometry

## Education

### Fudan University

PhD in Mathematics

Shanghai, China

Sept. 2023 – Present

Advisor: Professors Ping Li GPA: 3.72/4.0

### Tongji University

BA in Mathematics and Applied Mathematics

Shanghai, China

Advisor: Assistant Professor Zelin Yi GPA: 4.78/5.0

Sept. 2019 – Jun. 2023

Thesis: Schur polynomials, Young tableaux and the cohomology of Grassmannian

### Tongji University

Civil Engineering

Shanghai, China

Sept. 2018 – Aug. 2019

## Honors

### China National Scholarship (Ministry of Education of China)

2020

## Publications

### Explicit formulas for the Hattori-Stong theorem and applications

Ping Li, Wangyang Lin.

*Algebraic & Geometric Topology* 26 (2026) 735–750

## Exchange experience

### Peking University(BICMR)

Enhanced Program for Graduate Study,

Beijing, China

Spring, 2023

## Teaching experience

### Teaching assistant, Fudan University

Fall 2025

MATH20019: Elements of Geometry and Topology  
Lecture on fundamental groups, covering spaces and differential geometry of curves and surfaces

**Teaching assistant, Fudan University** Fall 2024  
MATH130113: Elements of Geometry and Topology  
Lecture on fundamental groups, covering spaces and differential geometry of curves and surfaces

**Teaching assistant, Fudan University** Fall 2023  
MATH120005: Advanced Mathematics C(I)  
Lecture on calculus for medical students