

WENSHUO ZHAO

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EDUCATION

Wuhan University

Sep 2020 - July 2024

Change major from Engineering to Math | Bachelor

School of Power and Mechanical Engineering (Sep 2020 – Mar 2021)

School of Mathematics and Statics (Mar 2021 – Nov 2021)

*Hongyi Math Class, **the Honors College of Wuhan University** (Nov 2021 – Present)*

GPA: 3.85/4.0, **Ranking:** Top 5%

Core Courses: Differential Geometry, Abstract Algebra, Riemannian Geometry, Algebraic Topology, Generalized Functions and Partial Differential Equations, Functional Analysis

RESEARCH EXPERIENCE

Graduation Thesis: *A survey on Kaehler Ricci flow*

HKUST Summer Research Program

- Participated in Prof. Frederick Fong's REU program and learned in-depth about solving geometry problems using partial differential equation methods.
- Studied the first paper on Ricci flow by Richard Hamilton.
- Studied the proof of Calabi-Yau theorem.

Curriculum Program: Seminar on Complex Geometry

- Studied a part of Griffith-Harris' famous book Principles of Algebraic Geometry and discussed in-depth Kodaira vanishing theorem, Kodaira embedding theorem, etc.

RESEARCH INTEREST

Differential Geometry, Complex Geometry and Partial Differential Equations

REPRINTS AND PUBLICATIONS

1. An Upper Bound For Hessian Matrices Of Positive Solutions Of Heat Equations On Kaehler Manifold (With Anqiang Zhu)

2. Gradient Estimate Via Two-Point Functions Under Barmy-Emery Ricci Curvature. (With Anqiang Zhu)

Drafts can be found in my homepage.

SKILLS & COMPETENCES

Skills: Chinese Mandarin – Native speaker

English – Fluent

Interests: Movie, jogging

SUMMARY

I am an optimistic person who loves math and is keen on teamwork; I have good adaptability and enjoy constantly learning new things.