



Zhenyu Fan

School of Mathematical Science, Peking University
No. 5 Yiheyuan Road, Haidian District, Beijing, 100871
Office: Room 103, Building 19, Peking University

+86-17755219075

✉ fanzhenyu@stu.pku.edu.cn

✉ 3324157319@qq.com

🔗 GitHub Profile

EDUCATION

- **Peking University- Beijing, China**

Sep 2023- Now

PhD Candidate in Pure Mathematics

– Advisors: Prof. Qing Han and Prof. Yuguang Shi

- **Xi'an Jiaotong University- Xi'an, China**

Sep 2019- June 2023

Bachelor, Honors Science Program in Mathematics

GPA: 4.05/4.3, Rank: 2/30

– Advisors: Prof. Dongsheng Li and Prof. Qing Han

- **Xi'an Jiaotong University- Xi'an China**

Sep 2017- June 2019

Young Gifted Class

RESEARCH INTEREST

- **Nonlinear Elliptic Equations & Geometric Analysis**

Especially, Minimal Surface equation, Monge-Ampère equation and some fully nonlinear equations

RESEARCH PAPERS

- **Asymptotic behavior of exterior minimal graphs in half spaces.**

With Y. G. Ouyang, submitted to The Journal of Geometric Analysis

- **The Bernstein theorem and asymptotic behavior of solutions to Monge-Ampère equation.**

Bachelor Thesis

TEACHING EXPERIENCE

- **Teaching Assistant, Advanced Math C**

Peking University, 2023 Fall

- **Teaching Assistant, Advanced Math B**

Peking University, 2024 Spring

- **Teaching Assistant, Advanced Math B**

Peking University, 2024 Fall