

Xinlin Wu

Date of Birth 30th January 2001

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1 Education

Kuangyaming Honor School, Nanjing University

09/2019-07/2023

Current grade: Senior

Major: Intensive instruction for science(Math and Applied Math)

Overall GPA: 90/100

GPA of all math courses(optional included): 92/100

Rank: 3/28(Math)

2 Specific interests

I am interested in analysis, especially the directions related to PDE, harmonic analysis and calculus of variations. Genarally speaking, I want to expert in PDE or directions based on PDE in the future. However, I do not want to expert in Geometric Analysis but just focus on 'pure' PDE. For instance, Fluid Dynamics.

3 Experience and Activities

• Visiting Experience:

Visiting to Wisconsin University Madison and joining the visp thematic program

08/2021-01/2022

• Teaching Experience:

I organized Lectures on Linear Algebra and invited several classmates taught

linear algebra together with me during my sophomore year; During my senior year, I was invited to tutor linear algebra and calculus for the freshmen in my departments; I am now also responsible for the teaching working of the parabolic PDE seminar.

- **Seminar: Parabolic differential equations of second order:**

Held by my instructor Jun Li. We use the book Second Order Parabolic Differential Equations written by Lieberman.

02/2022-06/2023

- **Seminar: Elliptic differential equations of second order:**

Held by Beijing International Center For Mathematical Research. This seminar mainly focuses on Schauder estimates and De Giorgi estimates and finally solved Hilbert's XIXth problem.

08/08/2022-19/08/2022

- **Seminar: Selected lectures on analysis topics:**

Held by professor Hua Qiu. It is about Harmonic functions and Hausdorff measure and dimensions. I finished one reading note for the latter topic.

02/2022-06/2022

- **Summer research programme:**

Organized by Cambridge University. I finished one dissertation about variational principles. It mainly talks about the sufficient and necessary conditions in the problems of variational principles.

07/2022-08/2022

4 Honors and Awards

- People's Scholarship 11/2021
- Outstanding Scholarship of Basic Subjects for Undergraduate students of Nanjing University 11/2021

5 Standardized Tests

Toefl: 101(Reading 27, Listening 24, Speaking 23, Writing 27)

GRE(General): 322(Verbal 155, Quantitative 167)