Kexin LIN

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Education

Beihang University — 2019.9 – Present

Undergraduate student of Hua Loo-Keng Experimental Class for Mathematics — *Beijing, China*

- **GPA**: 3.87/4.0
- **Core Course**: Real Analysis, Complex Analysis, Algebraic Geometry, Differential Geometry, Functional Analysis, Differentiable Manifolds
- **Graduate Course**: Fourier Analysis, Geometric Measure Theory, Optimal Transportation
- **Mini-Course**: Theory of Calibration Form, Plateau's Problem, Allard's Interior Regularity Theorem, The Minimal Surface Equation and Related Topics

Research Experience

Seminar in Geometric Measure Theory — 2021.11 – Present

Beihang University, organized by Prof. Xiangyu Liang — *Beijing, China*

- Give talks about the structure of sets on which a Lipschitz function is non-differentiable
- Give talks about the minimality of planes based on the article: Minimality of Planes in Normed Spaces, Geom. Funct. Anal. Vol. 22(2012) 627-638

Teaching Experience

Teaching Assistant of *Real Analysis* — 2022.2 - 2022.6

School of Mathematics and System Science, Beihang University — *Beijing, China*

- Works involving giving recitation classes and grading homework

Teaching Assistant of *Advanced Algebra* — 2021.9-2021.1

School of Mathematics and System Science, Beihang University — *Beijing, China*

- Works involving grading homework

Competition Experience

Main Track of the 32nd "Feng Ru Cup" Competition (result: 1st Prize)
Beihang University — *2022*

National College Students Mathematical Competition (result: 1st Prize)
Chinese Mathematical Society — *2020*

Chinese Mathematical Olympiad (result: Bronze Medal)
Chinese Mathematical Society — *2018*

Awards & Honors

Hua Loo-Keng Scholarships
Academy of Mathematics and Systems Science, Chinese Academy of Sciences — *2022*

Merit Student of Beijing University for the 2020-2021 academic year
Beihang University — *2021*

Merit Student of Beijing University for the 2019-2020 academic year
Beihang University — *2020*