

Ling Wang

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Research interests

Geometric Analysis & Nonlinear PDEs, especially Monge-Ampère type equations.

Education

- 2020.9 – Present **Peking University** – Beijing, China
PhD in pure mathematics
Mentors: Professor Bin Zhou.
- 2020.2 – 2020.6 **Beijing International Center for Mathematical Research** – Beijing, China
Visiting student, pure mathematics.
- 2016.9 – 2020.6 **Beijing Normal University** – Beijing, China
BA in mathematics and applied mathematics
Mentors: Professor Haigang Li.

Publications

- [5] **L. Wang**, B. Zhou. $C^{1,\alpha}$ regularity of variational problems with a convexity constraint. Preprint
- [4] **L. Wang**, B. Zhou. Liouville theorems for a class of degenerate or singular Monge-Ampère equations. Preprint
- [3] Y. H. Kim, N. Q. Le, **L. Wang**, B. Zhou. Singular Abreu equations and linearized Monge-Ampère equations with drifts. Preprint.
- [2] **L. Wang**, B. Zhou. Interior estimates for Monge-Ampère type fourth order equations. *Rev. Mat. Iberoam.*, **39** (2023), no. 5, 1895–1923.

- [1] H. G. Li, J. -N. Wang, **L. Wang**. Refined stability estimates in electrical impedance tomography with multi-layer structure. *Inverse Probl. Imaging*, **16** (2022), no. 1, 229–249.

Honors and scholarships

- 2023 Presidential Scholarship (Peking University)
Merit Student (Peking University)
- 2022 Exceptional Award for Academic Innovation (Peking University)

Talks

- March 24, 2024 Ph.D. Mathematics Forum, School of Mathematics and Statistics of Wuhan University, Wuhan, China
- March 30, 2022 Geometric PDE seminar, Academy of Mathematics and Systems Science of the Chinese Academy of Sciences, Beijing, China

Teaching experience

- Spring 2024 **Teaching assistant, Advanced math B (PKU)**
- Fall 2023 **Teaching assistant, Mathematical analysis III (PKU)**
- Spring 2023 **Teaching assistant, Mathematical analysis II (PKU)**
- Fall 2022 **Teaching assistant, Mathematical analysis I (PKU)**
- Spring 2022 **Teaching assistant, Arithmetic of elliptic curves (PKU)**
Teaching assistant, Diophantine approximation (PKU)
- Fall 2021 **Teaching assistant, Mathematical analysis I (PKU)**
- Spring 2021 **Teaching assistant, Functional analysis (PKU)**
- Fall 2020 **Teaching assistant, Advanced math C (PKU)**