

Curriculum Vitae

Chuhan Sun

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Education

B.S. in Mathematics

Jilin University, China, 2016–2020

Ph.D. in Mathematics

Zhejiang University and Westlake University, China, 2020–Present

Ph.D. Thesis: *Fractional integration associated with multi-parameter dilation*, 2025. Advisor: Zipeng Wang.

Research Interests

My research interest is classical Harmonic Analysis. Recently, I am working on some topics about fractional integral operators.

Publications and Preprints

- *On the end-point of Stein–Weiss inequality*, joint with Z. Wang, The Journal of Geometric Analysis, published online, 2026.
- *Multi-parameter fractional integration on Heisenberg group*, joint with Z. Wang, preprint, 2025.
- *Stein–Weiss inequality revisited on Heisenberg group*, joint with Z. Wang, preprint, 2025.
- *Theta-bump theorem for fractional integrals on Heisenberg group*, joint with Y. Han and Z. Wang.
- *Strong maximal function revisit on Heisenberg group*, preprint, 2025.
- *Theta-bump theorem for fractional integrals on Heisenberg group*, joint with Y. Han and Z. Wang.

Teaching Experience

Linear Algebra, Teaching Assistant, August 2024–January 2025

Complex Analysis, Teaching Assistant, February 2025–June 2025