Shuoyu Yan

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Research Interests

I am interested in geometric group theory, operator algebra, and non-commutative geometry.

Education

Ph.D. student, Université Paris Cité, IMJ-PRG   Sept 2025 – Now
- Supervised by Prof. Andrzej Zuk.

M.S. in Mathematics, Université Paris-Saclay   Sept 2024 – June 2025
- Supervised by Prof. Andrzej Zuk.
- Thesis: *Spectral Analysis of Symmetric Random Walks on Groups.*

M.S. in Mathematics, Fudan University   Sept 2021 – June 2024
- Supervised by Prof. Yijun Yao, graduated with honours.
- Thesis: *Global Witten deformation on Lie groupoids.*

B.S. in Mathematics, Harbin Institute of Technology   Sept 2017 – June 2021
- Supervised by Prof. Jinsong Wu, graduated with honours.
- Thesis: *Bi-shifts of bi-projections on quantum groups.*

Experience

Teaching Assistant, Department of Mathematical Science, Fudan University   Sept 2021 – Jan 2024
- Functional Analysis, 2023 Fall.
- Complex Analysis, 2022 Spring.
- Principle of Mathematical Analysis, 2021 Fall.

Seminar organiser, Harbin Institute of Technology   Mar 2020 – Jan 2021
- Group representations and abstract harmonic analysis, 2020 Fall – 2021 Spring.
- Measure theory and integration theory, 2020 Spring.

Languages

- **Chinese Mandarin**, mother tongue.
- **English**, Proficient, C1, *ILETS 7.0.*
- **Japanese**, Basic, A2, *JLPT N3.*