

Shuoyu Yan

Curriculum Vitae

Education

- 2025– **Ph.D. student**, *Université Paris Cité*.
Supervisor: Prof. Andrzej Zuk
Estimated to graduate in July 2028
- 2024–2025 **M.S. in Mathematics**, *Université Paris–Saclay*.
Supervisor: Prof. Andrzej Zuk
◦ Thesis: *Spectral Analysis of Symmetric Random Walks on Groups*.
- 2021–2024 **M.S. in Mathematics**, *Fudan University*.
Supervisor: Prof. Yijun Yao
◦ Graduated with honours.
◦ Thesis: *Global Witten deformation on Lie groupoids*.
- 2017–2021 **B.S. in Mathematics**, *Harbin Institute of Technology*.
Supervisor: Prof. Jinsong Wu
◦ Graduated with honours (93.93%).
◦ Thesis: *Bi-shifts of bi-projections on quantum groups*.

Research Interests

Functional analysis, operator algebra, geometric group theory, K -Theory and non-commutative geometry.

Teaching & Advising

- 2021–2023 **Teaching Assistant**, *Department of Mathematical Science, Fudan University*.
◦ *Functional Analysis*, 2023 Fall.
◦ *Complex Analysis*, 2022 Spring.
◦ *Principle of Mathematical Analysis*, 2021 Fall.
- 2020–2021 **Discussion and Seminar leader**, *Harbin Institute of Technology*.
◦ Seminar, *Group representations and abstract harmonic analysis*, 2020 Fall – 2021 Spring.
◦ Seminar, *Measure theory and integration theory*, 2020 Spring.

Languages

- Chinese **Native Speaker**.
English **Proficient**, C1, IELTS 7.0.
Japanese **Basic**, A2, JLPT N3.