

Fan Lu

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Education

2020–2025 **Ph.D., Mathematics**, Tsinghua University.
Advisor: Zhengwei Liu.
2016–2020 **B.S., Mathematics**, Shandong University.

Research Interests

operator algebra, subfactor theory and planar algebra.

Honors & Awards

2022 Outstanding Students Awards of Tsinghua University.
2020 Outstanding Graduates of Shandong University.
2020 Honours Degree of Shandong University.
2018 Outstanding Students Awards of Shandong University.
2017 First-class Scholarship of Shandong University.

Experience

2025 Advances in quantum algebra,
Sanya.
2024 Harvard University,
Boston.
2024 Texas A&M University,
Texas.
2023 International Congress of Basic Science,
Beijing.
2022 The 9th International Congress of Chinese Mathematicians,
Nanjing.



Publications

- [1] Lu F, Liu Z. Classification of exchange relation planar algebras through sieving forest fusion graphs. arXiv:2412.17790, 2024.
- [2] Feng Z, Liu Z, Lu F, Wang N. Quon Classical Simulation: Unifying Clifford, Matchgates and Entanglement. arXiv:2505.07804, 2025.