

Wanchen Zhang

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EDUCATION

- **Ph.D. in Mathematics (Ongoing)** *Sep 2020 – Present*
Department of Mathematics
University of Science and Technology of China, Hefei, China
Research Focus: Quantum information and Combinatorics
Advisor: Prof. Xiande Zhang
- **Bachelor of Statistics** *Sep 2014 – Jun 2018*
Department of Mathematics
Shanxi University, Taiyuan, China

RESEARCH INTERESTS

- **Quantum marginal problem**
Problems related to the reconstruction properties of quantum states.
- **Maximum entanglement problem**
A combinatorial mathematical approach goes to consider the nature of maximal entanglement of pure quantum states.

RESEARCH PUBLICATIONS AND MANUSCRIPTS

- Zhang, Wanchen, Fei Shi, and Xiande Zhang. "Almost all even-particle pure states are determined by their half-body marginals." *Journal of Physics A: Mathematical and Theoretical* 57.49 (2024): 495302.
- Zhang, Wanchen, Yu Ning, Fei Shi, and Xiande Zhang. "Extremal Maximal Entanglement." arXiv preprint arXiv:2411.12208 (2024).

TALKS

- "Quantum marginal problem", *Frontiers in the theory of quantum information and quantum computers*, Hangzhou, China, Apr, 2023.