

Kangcan Yao (尧康灿)

University of Science and Technology of China

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Education

University of Science and Technology of China

09/2023 – Present

School of Physical Sciences

Major: Physics

Main Courses: Statistical Mechanics, Quantum Mechanics A, Electrodynamics, Theoretical Mechanics A

Research Experiences

Theoretical learning of quantum active matter

12/2024 – Present

Advisor: Prof. Zhonghuai Hou, University of Science and Technology of China

– Learned stochastic thermodynamics and open quantum system.

Standardized Test

TOEFL: 95

Reading: 27, Listening: 24, Speaking: 21, Writing: 23

Awards & Honors

2025 S.-T. Yau College Student Mathematics Contest (Finalists)

2024 Anhui Province in the Chinese Mathematics Competitions (First Prize)

Interests & Skills

Research Interests: active matter, non-equilibrium physics, thermalization, phase transition

Programming Skills: MATLAB, \LaTeX , Python, Mathematica, C