Jiahang Zhong

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🎓 Education Background

University of Science and Technology of China   Undergraduate   School of the Gifted Young
Theoretical Physics   **2022.9-2026.9**

GPA：4.12/4.3   **Ranking:** 2/127

- Professional Courses：GR, QFT1, QFT2, Cosmology...

- English: ToFEL: 98 Possess the ability to independently read and write English academic papers.

🏆 Scholarship

- China National Scholarship 2024
- JAC Motors & NIO Joint Scholarship 2023

🏛 Research Experience

GWs from cosmological phase transition catalyzed by PBH
/First Author/Supervisor: Yifu Cai   2024.11-ongoing

- **Project Overview**: Analysis of PBH influence on phase transition GWs.
- **Charge For:** Model building and Calculation
- **Project Result**: paper (onworking)

Lovelock Cosmology /Cooperation with Christian G. Boehmer from UCL   2025.01-ongoing

- **Project Overview**: Applied dynamical system to Lovelock Cosmology
- **Charge For**: Calculation
- **Project Result**: paper (onworking)

🏛 Course Project

Cosmologocal Phase Transition /Course: Computational Physics	2024.09-2025.01
Debyen Phonon /Course: Thermodynamics and Statistical Physics A	2024.03-2024.06
Atom origin /Course: Atomic Physics A	2024.03-2024.06
Quantization of Vector Field /Course: Quantum Field Theory	2023.09-2024.01
Collective Sideband Transition Based on Optical Adiabatic Control /Course: Optics A	2023.09-2024.01

- See in web: https://eulara.github.io/JiahangZhong.github.io/:

🔧 Teaching Assistant Experience

- **Theoretical Mechanics A**   2024.09-2025.01

🔧 Skills

- Code Language：Python, Mathematica
- Familiar with Public Package: CosmoTransition (Use for calculating phase transition in early universe)