

Yuanzhu Huang

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Website: [Yuenzuk](#)

Education

Fudan University, Shanghai, China

Sept. 2021 - June 2024 (expected)

Master's degree in Theoretical Physics

Thesis title:

Master Advisor: [Yang Zhou](#)

GPA: 3.58/4.0

Sun Yat-sen University, Guangzhou, China

Sept. 2017 - June 2021

Bachelor's degree in Physics

GPA: 3.9/4.0; Rank:10/85

Thesis Title: *On General Properties of Analogue Gravity*

Thesis Advisor: [Jia-Rui Sun](#)

Teaching Experience

Teaching assistant in [Thermodynamics](#)

Feb. 2023 - June 2023

- Lecturer: [Yuanbo Zhang](#)
- Number of Students: 76
- Conducted bi-weekly tutorial sessions (also wrote lecture notes for tutorial sessions)
- Evaluated assignments
- Received an "Outstanding" evaluation as a Teaching Assistant

Teaching assistant in Classical Mechanics

Sept. 2021 - Jan. 2022

- Lecturer: Zhifang Lin
- Number of Students: 129
- Evaluated assignments and held paper presentations
- Received an "Outstanding" evaluation as a Teaching Assistant

Research Experience

Study of Symmetry-Resolved Entanglement of CFT in Large Charge Sector Sept. 2023 - Present

- Supervisor: [Yang Zhou](#)
- Extracted information from symmetry-resolved entanglement (Rényi) entropy at large charge limit

Awards and Honors

First Prize Scholarship at Sun Yat-sen University (Top 5%) 2020

Wanglaoji Corporate Scholarship (Top 2%) 2020

Frist Prize in *The 4th South China Astronomy Contest for University Students* 2020

First Prize in the Preliminary Round of the *11th National College Student Mathematics Competition* (Non-Mathematics Major Category) 2019

Third Prize Scholarship at Sun Yat-sen University 2019

Third Prize Scholarship at Sun Yat-sen University 2018

Academic Activities

Summer School

ShanghaiTech University

Frontiers in Theoretical High Energy Physics

Interuniversity Journal Club

Online

My talks: *Shannon/von Neumann Entropy and Entanglement*

Joint Journal Club

Fudan University

Talking about different topics informally

Reading Seminar

Fudan University

My talks: *Symmetry-Resolved Entanglement Entropy*

Research Interests

Information and entanglement entropy

Symmetry-resolved entanglement

Renormalization group flows

Schramm–Loewner evolution; Fractals; c -theorem

Other subjects where physics can get combined with mathematics unexpectedly

Write Something here?

Skills

Languages	Mandarin Chinese (Native), Sichuanese (Native), Cantonese (Fluent), English (Fluent; IELTS: 7.0)
Coding	Python, Mathematica, HTML