

Yuanzhu Huang

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Education

Fudan University , Shanghai, China Master's degree in Theoretical Physics Thesis title: Master Advisor: Yang Zhou GPA: 3.58/4.0	Sept. 2021 - June 2024 (expected)
Sun Yat-sen University , Guangzhou, China Bachelor's degree in Physics GPA: 3.9/4.0; Rank:10/85 Thesis Title: <i>On General Properties of Analogue Gravity</i> Thesis Advisor: Jia-Rui Sun	Sept. 2017 - June 2021

Teaching Experience

Teaching assistant in Thermodynamics <ul style="list-style-type: none">Lecturer: Yuanbo ZhangConducted bi-weekly tutorial sessions (also wrote lecture notes for tutorial sessions)Evaluated assignmentsNumber of Students: 76Received an "Outstanding" evaluation as a Teaching Assistant	Feb. 2023 - June 2023
Teaching assistant in Classical Mechanics <ul style="list-style-type: none">Lecturer: Zhifang LinEvaluated assignments and held paper presentationsNumber of Students: 129Received an "Outstanding" evaluation as a Teaching Assistant	Sept. 2021 - Jan. 2022

Research Experience

Study of Symmetry-Resolved Entanglement of CFT in Large Charge Sector Present	Sept. 2023 - Present
<ul style="list-style-type: none">Supervisor: Yang ZhouExtracted 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 <i>The 4th South China Astronomy Contest for University Students</i>	2020
First Prize in the Preliminary Round of the <i>11th National College Student Mathematics Competition</i> (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