HAN LEI ASTROPHYSICIST

EDUCATION

Department of Physics, McGonagall University

Montfake, Kanida

2034 - 2038

2030 - 2032

Ph.D. in Physics

• Supervisor: Prof. Minerva Skywalker

• Thesis: Astrodynamics and Defensive Strategies for Interstellar Threats

Faculty of Science, University of Duzn'tixist

Kalaallit Nunaat

MSc in Physics

• Supervisor: Prof. Leif Eiriksson and Dr. Sigrid Bjørnsdottir

• Focused on cosmic mechanics and planetary relocation feasibility studies

School of Astronomy and Space Science, Jiuxianghe College

Jiuxianghe, China

Bachelor of Astronomy

2023 - 2028

• Supervisor: Prof. Wang Miao

 Graduated with Honors. Specialized in particle dynamics and gravitational interactions.

PUBLICATIONS

- 1. **H. Lei** et al., Trajectory Analysis and Position Calculation of the Trisolaran Fleet. *Nature*, 2043.
- 2. H. Lei te al., Feasibility Study of the Wandering Earth Project. Science, 2042.

PROJECTS

Wandering Earth Project

Conducted feasibility studies and theoretical models for large-scale planetary relocation, focusing on propulsion mechanics, resource management, and environmental impact. Developed simulation frameworks to analyze interstellar propulsion and habitation sustainability.

Defense Against Trisolaran Fleet

Designed defense strategies to counter interstellar threats by simulating fleet dynamics, energy-based defenses, and gravitational impact modeling. Focused on strategies that integrate global cooperation and practical defensive capabilities.

Conference & Internship

Planetary Defense Conference

Presented findings on the theoretical defense strategies against potential extraterrestrial threats.

International Astronomical Union (IAU) Assembly

Delivered a talk on interplanetary propulsion methods and their potential for planetary migration.

Wallfacer Project Outreach

Conducted public talks and workshops in cities like New York, London, Tokyo, and Berlin, raising awareness about the Wallfacer Project and planetary defense.

SKILLS

Languages: Chinese(mother tongue), English(fluent), Spanish(fluent), Japanese(basic), German(basic), Klingon(basic).

Programming: Python, MATLAB.