Yang, Yanhui

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Curriculum Vitae pdf version

Education

University of Science and Technology of China
Major: Astronomy/Astrophysics
School: School of Physical Sciences (August 2017 - present)

Research

Interests

I'm interested in various astrophysical topics, such as black hole formation, CGM related problems (e.g.,turbulent mixing layers). And I've been doing some work on the formation of seed-BHs, and dedicated to research on turbulent mixing layers for solving mid ions related problems. Besides, I am also eager to get to know more about observational astronomy and cosmology theories.

Experiences

Hydrodynamic simulations of turbulent mixing layers of galactic winds
California Institute of Technology (Summer 2020)
Mentored by Suoqing Ji, Philip F. Hopkins

The formation of seed black holes
Yunnan Observatories, Chinese Academy of Sciences (July 2019 - June 2020)
Mentored by Xiaobo Dong, Runyu Meng

Visits

Shanghai Astonomical Observertory, Chinese Academy of Sciences (Jan. 2020)
Five-hundred-meter Aperture Spherical Telescope (FAST) (July 2019)

Skills

Programming languages

- C
- Python
- Fortran

Codes for numerical simulations

- FLASH
- GADGET
- RAMSES

Document preparation

- Markdown
- LATEX

Technical computing

- Mathematica

Image tools

- ds9

Graphing utilities

- Origin
- Gnuplot

Graphical system design

- Labview

Photographs

- Campus

Green space near the library

- Visits and Travels

Telescopes (Left: Shanghai Astronomical Observatory, Chinese Academy of Sciences; Right: Yunnan Observatories, Chinese Academy of Sciences)

- Drawings and Paintings

My love

Spoink Owl

- Hometown - Dali