

Chengyan Xie

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Education

Xiamen University

Sept. 2018 – Present

B.S. in Astronomy, Department of Physics, Mentor: Taotao Fang

○ Overall GPA: 3.78/4 (or 89.7/100, Ranking 5/112); Major GPA: 3.91/4 (or 92.0/100)

Publications

Spiral Arm Pattern Motion in the SAO 206462 Protoplanetary Disk, ApJL, 906, L9, 2021

Chengyan Xie, Bin Ren, Ruobing Dong, Laurent Pueyo, Jean-Baptiste Ruffio, Taotao Fang, Dimitri Mawet, and Tomas Stolker.

Software Development

Spiral Arm Motion Calculator ([github](#))

An easy way to fit the locations of spirals and calculate the speed of spirals from different epochs.

Research Projects (as project leader)

Detecting exoplanets in X-ray band project

Oct. 2019 – May 2020

Mentor(s): Prof. Taotao Fang (Xiamen University)

Spiral Arm Pattern Motion in the SAO 206462 Protoplanetary Disk

Aug. 2020 – Jan. 2021

Mentor(s): Dr. Bin Ren (Caltech), Prof. Ruobing Dong (UVIC)

Arm Motion Measurement for Eccentric Driver Simulation

Mar. 2021 – Present

Mentor(s): Dr. Bin Ren (Caltech), Prof. Ruobing Dong (UVIC)

Talks

Spiral Arm Motion Project in protoplanetary disks

Sept. 2021

2021 PKU Undergraduate Astronomy Symposium, Peking University, Beijing, China (awarded with the Lin-bridge Prize)

Spiral Arm Motion Project

April 2021

Planet group meeting, Tsinghua University, Beijing, China (invited)

Selected Honors and awards

Lin-bridge Prize for Excellent Undergraduate Research, Peking University

2021

Ge Jiashu scholarship (top~ 1%, CNY 10,000), Xiamen University

2021

Maotai scholarship (top~ 5%, CNY 5,000), Xiamen University

2020

First Prize in Mathematics Competition of Chinese College Students of Fujian Province, Fujian Mathematical Society

2020

First Prize in Physics Competition for College Students of Xiamen University (top~ 2%), Xiamen University

2019

First Prize in Chinese Physics Olympiad of Jiangsu Province (top ~ 0.3%), Jiangsu Physical Society

2017

Teaching Experiences

'Oscillations, Waves and Optics', Teaching Assistant, Xiamen University

2021 Fall

Technical Skills, Language Skills

Programming Languages: Proficient in Python, familiar with C, C++, Shell, CIAO, XSPEC.

Writing: \LaTeX , Office

English: Fluent (TOEFL iBT: Total 104, Reading 30, Listening 26, Speaking 23, Writing 25)