

Contact

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Skills

Computational Astrophysics

Observational Astrophysics

Theoretical Astrophysics

Scientific Computing

Data Analysis

Data Visualization

Data Science

Computing Skills

C++ Python

Fortran IDL/GDL

OpenMPI AstroPy

SciPy Matplotlib

NumPy pandas

References

Available Upon Request.
Typeset in HTML & CSS
See git.io/f4dXp

ASHKBIZ DANEHKAR

Astrophysicist

Summary

Astrophysicist with lots of experience in data analysis and visualization.
Research interest in AGN, starburst feedback, ISM astrophysics, and nebulae.

Experience

- Research Scientist (PI)2022 – Present
Eureka Scientific Inc
 - Funded by NASA grants (80NSSC22K0626).
 - Conducted research on the black hole spins in radio-quiet AGN.
- Research Fellow2019 – 2021
University of Michigan
 - Conducted hydrodynamic simulations of starburst feedback.
 - Produced photoionization models of starburst-driven outflows.
- Postdoctoral Fellow2015 – 2018
Harvard-Smithsonian Center for Astrophysics
 - Analyzed X-ray data of active galactic nuclei and symbiotic systems.
 - Conducted Hubble imaging analysis on ionized nebulae.
- Visiting Early-Stage Researcher2008
 - Supported by Marie Curie Training Network (MRTN-CT-2004-005104).
 - Investigated coupling between dual gravity and a BF model.

Education

- Ph.D., Physics and Astronomy2014
Macquarie University, Australia
- M.S., Plasma Physics (with distinction)2009
Queen's University Belfast, UK
- M.S., Computational and Electrical Engineering2007
University of Rostock, Germany

Grants

- NASA NICER GO Program (80NSSC23K1098)2024
- NASA Astrophysics Data Analysis Program (80NSSC22K0626)2022 – 2024

Awards

- Macquarie University Research Excellence Scholarship2010 – 2014
- Department for Employment and Learning Studentship2008 – 2009
- Marie Curie Early Stage Researcher2008