Dicy Adams

Summary

Astrophysicist with a Ph.D. in Astronomy and M.S. in Applied Physics with extensive experience in stellar rotation studies. Skilled in teaching Physics and Astronomy, data analysis, and interdisciplinary research. Passionate about fostering scientific curiosity and critical thinking in diverse learning environments.

(706) 718-4724 dicyann.adams@gmail.com Fort Collins, CO https://www.linkedin.com/in/dicy-adams-phd/

Education

PH.D. IN ASTRONOMY Georgia State University 2018
Dissertation: *Light Curve Modulation of Low Mass Stars in the K2 Photometric Monitoring Survey*

M.S. IN APPLIED PHYSICS Northern Arizona University 2013
Thesis: *The Ages of Nearby Stars*

B.S. IN ASTROPHYSICS University of Georgia 2011

Courses Taught

- Physics 1010L, Fall 2011, Spring 2012, Fall 2014
- Physics 1020L, Fall 2012, Spring 2013, Spring 2015
- Astronomy 1010L Fall 2013, Fall 2015
- Astronomy 1020L Spring 2014, Spring 2016
- Astronomy 1010 Fall 2016 (substitute)

Awards

- Outstanding Senior Graduate Student, Georgia State University, 2018
- Outstanding Teaching Assistant, Georgia State University, 2015
- Multiple NSF and NASA grants for doctoral studies and conference presentations

Teaching Expereince

TEACHING & RESEARCH ASSISTANT Georgia State University August 2013 - December 2018

- Instructed undergraduate physics and astronomy labs, managing classes of 20+ students.
- Mentored undergraduate and graduate students in research methodologies and data analysis techniques.
- Received Outstanding Teaching Assistant Award (2015) for exceptional instructional support.

TEACHING ASSISTANT Northern Arizona University August 2011 - May 2013

- Instructed undergraduate physics, managing classes of 15+ students.
- Spearheaded a large telescope monitoring survey, training and supervising a team of undergraduate researchers.
- Fostered student understanding of complex concepts through hands-on experiments and personalized guidance.

Dicy Adams

Publications

- *Light Curve Modulation of Low Mass Stars in the K2 Photometric Monitoring Survey,* Ph.D. Dissertation, 2018
- *Light Curve Modulation of Low Mass Stars in K2. I. Identification of 508 Fast Rotators in the Solar Neighborhood*, https://doi.org/10.48550/arXiv.1710.09909, 2017
- *Fast Rotators in Kepler 2: An Empirical Method to Determine Spot Lifetime*, AAS Conference, 2016
- *Light Curve Modulation of Low-Mass Stars in K2 Campaigns 0-5: Relationship between Rotation and Flare Events*, Cool Stars Conference, 2016
- *Searching for Young M Dwarfs In the Solar Neighborhood: Fast Rotators in the K2 Field*, IAU Symposium, 2016
- *A Low-Mass Black Hole in the Nearby Seyfert Galaxy UGC 06728*, https://doi.org/10.48550/arXiv.1608.03893, 2016
- *The Mass of the Central Black Hole in the Nearby Seyfert Galaxy NGC5273*, https://doi.org/10.48550/arXiv.1409.5794, 2014
- *The Ages of Nearby Stars*, 2013, M.S. Thesis, 2013

Conference Talks

- Rotation of Low-Mass Stars: An Update, CEA Invited Talk, 2018
- Fast Rotators in Kepler 2: An Empirical Method to Determine Spot Lifetime, AAS, 2016
- Rotation of Low-Mass Stars, CEA invited talk, 2016
- Light Curve Modulation of Low-Mass Stars in K2 Campaigns 0-5: Relationship between Rotation and Flare Events, Cool Stars, 2016
- Searching for Young M Dwarfs In the Solar Neighborhood: Fast Rotators in the K2 Field, IAU, 2016

Professional Experience

SR. DATA SCIENTIST Momnt Technologies July 2023 - June 2024

- Developed data-driven models to uncover patterns, applying advanced statistical techniques.

SR. DATA SCIENTIST Imprivata November 2019 - July 2023

- Led cross-functional team efforts to improve process efficiency, delivering real-time insights to leadership.

DATA SCIENTIST GreenSky July 2018 - November 2019

- Extracted and analyzed large datasets to identify key trends and provide actionable insights to stakeholders, leading to optimized decision-making and cost savings.