Drummond B. Fielding

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Education

University of California, Berkeley 2012 - present
Ph.D. Candidate in Astrophysics

University of California, Berkeley 2014
Master of Arts in Astrophysics

Johns Hopkins University 2008 - 2012
Bachelors of Arts in Physics
Bachelors of Arts in Mathematics

Awards & Honors

National Science Foundation Graduate Research Fellow 2014 - present (awarded 2012)
Berkeley Fellow for Graduate Study 2012 - 2014
Donald E. Kerr award for Outstanding Physics Undergraduate (JHU) 2012
Elected to Phi Beta Kappa (JHU) 2012

Publications

Accepted:

Drummond B. Fielding, Christopher McKee, Aristotle Socrates, Andrew J. Cunningham, and Richard I. Klein, *The Turbulent Origin of Spin-Orbit Misalignment in Planetary Systems*, MNRAS, 450, 3306 (2015)

J. E. Schlieder, S. Lépine, E. Rice, M. Simon, **Drummond B. Fielding**, and R. Tomasino, *The Na 8200 ÅDoublet as an Age Indicator in Low-mass Stars*, AJ, 143, 114 (2011)

Submitted.:

Davide Martizzi, **Drummond B. Fielding**, Claude-André Faucher-Giguère, and Eliot Quataert, *Supernova Feedback in a Vertically Stratified Medium: Interstellar Turbulence and Galactic Wind Launching*, arXiv:1601.03399 (2016).

In Prep.:

Drummond B. Fielding, Michael McCourt, and Eliot Quataert, *The Impact of Star Formation Feedback on the Circumgalactic Medium*, in prep.

Presentations

U.C. Berkeley Astronomy Department, Lunch Talk. *The Turbulent Origin of Misalignment: Explaining Observations of Extrasolar Obliquities*, 12/2013.

American Astronomical Society Meeting, Austin Texas. **Drummond B. Fielding**, and E. L. Wright, *Calculating the Yarkovsky Effect for Main-Belt Asteroids using the Rotating, Cratered Thermophysical Asteroid Model*, 1/2012.

Teaching

Graduate Student Instructor for Astronomy 7A Fall 2013
Graduate Student Instructor for Astronomy C12 'The Planets' Fall 2012

Computer Skills

Proficient with the languages Python, C & C++ and with high performance computing and MPI