Philip F. Hopkins

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Education:

Ph.D., Astronomy, Harvard University — June 2008
Advisor: Professor Lars Hernquist
Title: "A Physical Model for the Fueling and Evolution of Quasars in Galaxy Mergers"
M.A., Astronomy, Harvard University — June 2005
A.B., Astrophysics, Princeton University — June 2004
Summa Cum Laude, with Distinction in Astrophysical Sciences (Advisor: Professor Neta Bahcall)

Positions:

Assistant Professor, Theoretical Astrophysics, California Institute of Technology	2013-present
Einstein Fellow, University of California at Berkeley	2011-2013
Miller Fellow, University of California at Berkeley	2008-2011
Research Assistant, Harvard University	2004-2008
Teaching Assistant, Introductory Astronomy (SA-47), Harvard University	2005 & 2006
Teaching Assistant, Introductory Astronomy (AST 203), Princeton University	2003 & 2004
Summer Research Assistant, MIT Haystack Observatory	2003
Teaching Assistant, Undergraduate Astronomy (AST 205), Princeton University	2002

Awards & Honors:

Harvard-Smithsonian Center for Astrophysics, Bart J. Bok Prize	2012
Astronomical Society of the Pacific, Robert J. Trumpler Award	2011
Miller Institute for Basic Research in Science Fellowship	2008
Beatrice Tinsley Visiting Scholar, University of Texas at Austin	2008 & 2010
Hubble & Chandra Postdoctoral Fellowships (declined)	2008
Harvard Merit Fellowship (Graduate School of Arts and Sciences)	2007
National Science Foundation Graduate Research Fellowship	2005
NASA Harriet G. Jenkins Pre-Doctoral Fellowship (declined)	2005
Phi Beta Kappa, Sigma Xi, Princeton University	2004
Elizabeth Clarke Scholarship, Lucent Global Science Scholars Award	2000 & 2001

Professional Services:

Member of various Time Allocation Committees, as well as Conference Science & Local Organizing Committees — 2009-present
Course Teacher, Astro-Computing Summer School (UC Santa Cruz) — 2010 & 2013
Course Teacher, NoviCosmo Summer School 2007 "Fiat Lux: Formation and Evolution of Cosmic Structures," (ICC Durham University & SISSA Observatorio) — 2007
Proposal Referee, European Research Council (Universe Sciences) — 2008
Journal Referee for ApJ, MNRAS, Annual Reviews, A&A, Nature
Graduate Admissions Committee Member, Harvard University Astronomy — 2008
Development and public release of new computational algorithms for fluid dynamics simulations, available online at "The Astro-Code Wiki" & arXiv

Research Interests:

Galaxy formation: galaxy mergers, disk & bulge formation, roles of 'feedback' processes
AGN & Star Formation: triggering/fueling mechanisms, accretion physics, feedback effects
Numerical simulations: application to gravitational dynamics, large-scale structure, star formation