

Curriculum Vitae

Mohan Ganeshalingam

20 Hearst Field Annex # 3411
Astronomy Department
Berkeley, CA 94720-3411

Phone: (510) 292-6975

Education

PhD, Astrophysics, University of California, Berkeley, Expected May 2012

Advisor: Dr. Alex Filippenko

MA, Astrophysics, University of California, Berkeley, December 2008

BA, Astrophysics, Physics, & Applied Math, University of California, Berkeley, December 2003

Teaching Experience

Astronomy 10: Introduction to Astronomy for Non-Majors Fall 2003, Fall 2006

UC Berkeley, Graduate Student Instructor

Developed curriculum for two one-hour discussion classes

Astronomy 7B: Introduction to Astronomy for Majors Spring 2007

UC Berkeley, Graduate Student Instructor

Developed curriculum for two one-hour discussion classes

Astronomy 199: Research Presentation in the Physical Sciences Fall 2008, Fall 2009

UC Berkeley, Instructor

Created, designed, and taught class for undergraduate students on effective methods to present research through talks, posters, and scientific writing

People's Test Preparation Service Fall 2011

Oakland Emiliano Zapata High School, Instructor

Instructor for free math SAT classes for high school students

Mentoring

Department Undergraduate Liaison, 2007-2010

Organized events between graduate and undergraduates students to help undergraduates find research opportunities and get advice about applying to graduate school

Mentored undergraduate students in Dr. Alex Filippenko's Research Group

Taught undergraduates how to observe on telescopes and calibrate data, and oversaw undergraduate research projects

Work Experience

Graduate Student Researcher, 2006 - present

Private Math and Physics Tutor, 2005 - present

Assistant Astronomy Researcher, 2004-2006

Student Learning Center Physics Tutor, 2002

Professional Training

Teaching Excellence Workshop, Center for Astronomy Education, February 2008

Awards

Outstanding Graduate Student Teaching Award, 2007

Dorthea Klumpke Prize for Outstanding Research, May, 2005

Isadore Pomarantz Scholarship Recipient, 2003

First-Author Refereed Publications

The Fast-Decaying, Low-Luminosity Type Ia Supernova 2002es

Mohan Ganeshalingam, Weidong Li, Alexei V. Filippenko, Jeffrey M. Silverman, Ryan Chornock, Ryan J. Foley, Thomas Matheson, Robert Kirshner, Peter Milne, Mike Calkins, and Ken Shen.

In prep.

The Rise-time Distribution of Nearby Type Ia Supernovae

Mohan Ganeshalingam, Weidong Li, and Alexei V. Filippenko

MNRAS, 411, 2607, 2011.

Results of the Lick Observatory Supernova Search Follow-up Photometry Program: BVRI Light Curves of 165 Type Ia Supernovae

Mohan Ganeshalingam, Weidong Li, Alexei V. Filippenko, Carmen Anderson, Griffin Foster, Elinor L. Gates, Christopher V. Griffith, Bryant J. Grigsby, Niels Joubert, Joel Leja, Thomas B. Lowe, Brent Macomber, Tyler Pritchard, Patrick Thrasher, and Dustin Winslow

ApJS, 190, 418, 2010.

Coauthor of 41 other refereed journal articles.

Invited Talks

Spur Happenings, October 27, 2011

Australia National University, June 16, 2011

Conference Proceedings

The Lick Observatory Supernova Search: Analysis of 165 Nearby Type Ia Supernova Light Curves
American Astronomical Society Meeting 219, January 2012

The Rise-time Distribution of Nearby Type Ia Supernovae (poster)

Supernovae and Their Host Galaxies, June 2011

The Rise-time Distribution of Nearby Type Ia Supernovae

American Astronomical Society Meeting 217, January 2011

The LOSS SNe Ia Sample: Low-z Cosmology with ~100 BVRI light curves (poster)

A Festival of Cosmic Explosions, August 2009

The LOSS SNe Ia Sample: Low-z Cosmology with ~100 BVRI light curves (poster)
Stellar Death and Supernovae, August 2009

Optical Photometry of Supernovae Using the KAIT Pipeline (poster)
American Astronomical Society Meeting 209, January 2007