

MARC DAVIS

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EDUCATION

1969-1973 **Princeton University, Princeton, NJ**
Ph.D Physics, June 1973
M.A. Physics, June 1971

Graduate Advisor: David T Wilkinson (deceased)

Postdoctoral Supervisor: P.J.E. Peebles (Princeton)

1965-1969 **Massachusetts Institute of Technology, Cambridge, MA**
S.B. Physics, June 1969

EXPERIENCE

1981-present *Professor*, Departments of Astronomy and Physics, UC Berkeley
1988-1992 *Chairman*, Department of Astronomy, UC Berkeley
1980-1981 *Associate Professor*, Department of Astronomy, Harvard University
1975-1980 *Assistant Professor*, Department of Astronomy, Harvard University
1973-1974 *Instructor of Physics*, Department of Physics, Princeton University

AWARDS

2011 Gruber Prize
2008 Honorary PhD: University of Chicago
2006 Heineman Prize, American Astronomical Society
1999 Miller Research Professor
1992 American Academy of Arts and Sciences
1991 National Academy of Sciences
1989 Fellow of the American Physical Society
1988 Fellow of the American Association for the Advancement of Science
1986-1987 Miller Research Professor
1982 Newton Lacy Pierce Prize of the American Astronomical Society
1975-1979 Alfred P. Sloan Foundation Fellowship

PROFESSIONAL SOCIETY AFFILIATIONS

American Astronomical Society
International Astronomical Union
American Association for the Advancement of Science
American Physical Society

PRINCIPAL COMMITTEES

2007-2009 Committee on Educational Policy, UC Berkeley
2000-2002 Budget and Interdepartmental Relations Committee, UC Berkeley
1992-1997 *Chairman*, NRC Committee on Astronomy and Astrophysics
1993-1995 *Chairman*, NRC Panel on Cosmology
1993 NRC Panel on Ground-Based Optical and Infrared Astronomy

Thesis Advisor for: J. Tonry (U Hawaii), A. Meiksin (Edinburgh), N. Jeske (Berk. industry), K. Ebnetter (Apple), M. Strauss (Princeton), K. Fisher (U Texas), G. Djorgovski (Caltech), J. Baker (Alexa), F. Summers (STScI), L. Moustakas (JPL), D. Schlegel (LBNL), D. Finkbeiner (Harvard), J. Newman (U. Pitt.), B. Mendez (SSL of Berkeley), A. Coil (UCSD), R. Yan (NYU), M. Cooper (UCI), B. Gerke (Stanford), J. Comerford (Texas)

Postgraduate-Scholar Sponsor: D. Madgwick (London), J. Newman (U. Pitt.), D. Croton (UCB)

Selected Publications:

M. Davis, G. Efstathiou, C. Frenk, S. White, "The Evolution of Structure in a Universe Dominated by Cold Dark Matter", *Astrophysical Journal*, 292, 371, 1985.

M. Davis, G. Efstathiou, C. S. Frenk, and S. D. M. White, "The End of Cold Dark Matter?", *Nature*, 356, 489 (1992).

Karl B. Fisher, Marc Davis, Michael A. Strauss, Amos Yahil, and John Huchra, "Clustering in the 1.2 Jy IRAS Galaxy Redshift Survey I: The Redshift and Real Space Correlation Functions", *Mon. Not. of the R.A.S.*, 266, 219 (1993).

David Schlegel, Doug Finkbeiner, & Marc Davis, "Maps of Dust IR Emission for Use in Estimation of Reddening and CMBR Foregrounds", *Astrophys. J.*, 500, 525 (1998).

Finkbeiner, D., Davis, M., & Schlegel, D., "Extrapolation of Galactic Dust Emission at 100 Microns to CMBR Frequencies Using FIRAS", *Astrophys. J.*, 524, 867 (1999).

T. Fang, B. Gerke, D. Davis, J. Newman, M. Davis, K. Nandra, E. Laird, D. Koo, A. Coil, M. Cooper, D. Croton, R. Yan (2006), "AEGIS: Chandra Observation of DEEP2 Galaxy Groups and Clusters", *ApJL special edition*, 660, 27 (astro-ph/0608382)

Brian F. Gerke, Jeffrey A. Newman, Jennifer Lotz, Renbin Yan, P. Barmby, Alison L. Coil, Christopher J. Conselice, R. J. Ivison, Lihwai Lin, David C. Koo, Kirpal Nandra, Samir Salim, Todd Small, Benjamin J. Weiner, Michael C. Cooper, Marc Davis, S. M. Faber, Puragra Guhathakurta (2006), "The DEEP2 Galaxy Redshift Survey: AEGIS Observations of a Dual AGN at $z=0.7$ ", *ApJL special edition*, 660, (astro-ph/0608380)

M. Davis, (+ 55 collaborators) (2006) "The All-wavelength Extended Groth Strip International Survey (AEGIS) Data Sets", *ApJL special edition*, 660, 1 (astro-ph/0607355)

K. Nandra, A. Georgakakis, C.N.A. Willmer, M.C. Cooper, D.J. Croton, M. Davis, S.M. Faber, D.C. Koo, E.S. Laird, J.A. Newman, (2006), "AEGIS: The color-magnitude relation for X-ray selected AGN", *ApJL special edition*, 660, 11 (astro-ph/0607270)

Davis, Marc; Nusser, Adi; Masters, Karen L.; Springob, Christopher; Huchra, John P.; Lemson, Gerard, (2011), "Local gravity versus local velocity: solutions for β and non-linear bias", *MNRAS*, 413, 2906