

TERRY D. OSWALT

Department of Physics & Space Sciences, Florida Institute of Technology
150 West University Boulevard, Melbourne, Florida 32901 USA
Telephone: 321-674-7325 (office) E-mail: oswalt@luyten.astro.fit.edu (office)

- Education** Ph.D. in Astronomy, 1981, The Ohio State University, Columbus, Ohio
B.A. in Astronomy, 1974, Indiana University, Bloomington, Indiana
- Positions** *Florida Institute of Technology, Melbourne, Florida:*
Associate Dean for Research, College of Sciences & Liberal Arts 2000 - present
Professor of Physics & Space Sciences 1991 - present
Associate Professor of Physics & Space Sciences 1986 - 1991
Assistant Professor of Physics & Space Sciences 1982 - 1986
Adj. Prof. of Space Tech., Florida Tech., Kennedy Space Center 1988 - 1989
National Science Foundation, Arlington, Virginia
NSF Program Director for Stellar Astronomy & Astrophysics 1998 - 2000
(on sabbatical leave from Florida Tech, fall 1998 through summer 2000)
- Service / Honors** Director, SARA/NSF REU astronomy internship program 1995 - 1998
Special Service Award, Southeastern Assoc. for Res. in Astron. 1995
Ernest F. Fullam Award (with M. Wood), Dudley Observatory 1992 - 1993
Faculty Excellence Award in Research, Florida Tech 1991 - 1992
Judge, Bart & Priscilla Bok Award in Astronomy, AAS / ASP 1991 - present
Founder/Chair, Southeastern Assoc. for Research in Astronomy 1989 - 1998
Faculty Senate President, Florida Institute of Technology 1988 - 1989
Editor, *IAPPP Communications* 1987 - present
Harlow Shapley Lecturer, American Astronomical Society 1987 - present
NASA/ASEE Summer Faculty Fellow (NASA/Goddard) 1987 - 1988

Professional Memberships

- | | |
|---|---|
| American Assoc. for the Adv. of Science | Florida Academy of Sciences |
| American Assoc. of Physics Teachers | Int'l Am-Pro Photoelectric Photometry |
| American Astronomical Society | International Astronomical Union |
| American Institute of Physics | Royal Astronomical Society (UK) |
| American Physical Society | Society of Physics Students / Sigma Pi Sigma |
| Astronomical Society of the Pacific | Southeastern Assoc. for Research in Astronomy |

Visiting Scientist at:

Apache Point Obs. (3.5m); Cerro Tololo Interamerican Obs. (1.5-4.0m); Hubble Space Telescope; Infrared Telescope Facility (3.0m); International Ultraviolet Explorer satellite; Keck Obs. (10m); Kitt Peak National Obs. (2.1-4.0m); Lowell Obs. (1.0-1.8m); NASA-Goddard Space Flight Center; National Science Foundation; SARA Obs. (0.9m); Special Astrophysical Obs. (6.0m); UK Infrared Telescope (3.6m); Univ. Hawaii Obs. (2.2m)

Scientific Reviewer for:

- | | |
|-------------------------------|--|
| American Astronomical Society | Choice: Current Reviews for Academic Libraries |
| Astronomical Journal | Monthly Notices Royal Astronomical Society |
| Astrophysical Journal | National Aeronautics & Space Administration |

National Science Foundation
National Optical Astronomy Observatories
Nature

Research Corporation
Science (Saudi Arabia)
W.C. Brown / McGraw-Hill Publishing Co.

Publications for Merit Review

Journal & edited proceedings publications: 69, other publications: 53

Selected Recent Publications (* indicates undergraduate authors)

- M.A. Wood, T.D. Oswalt, 1992 "On the Mass of the Hydrogen Layer of the DA White Dwarf in the Binary System L151-81a/b: A Test of Accretion Theory," ApJ Letters 394, 53.
- T. Oswalt, J. Smith, M. Wood, P. Hintzen 1996, "New Limits to the Galactic Disk Age from the Luminosity Function of White Dwarfs in Wide Binaries," Nature 382, 692.
- T.J. Ahrens*, T.D. Oswalt, J.A. Smith, M.A. Wood 1996, "White Dwarfs in Wide Binaries: Calibrating the Age of the Galaxy," IAPPPC 64, 22.
- R. Sirbaugh-French*, T. Oswalt 1997, "On the Road to Determining the White Dwarf Luminosity Function: A Comparison of Two Photometric Reduction Methods," IAPPPC 66, 57.
- T. Oswalt 1997, "Preserving Access to Small Observatories Throughout the World: The Role of University Consortia & Collaboration," Proc. Kyoto IAU Joint Disc. No. 20, IAPPPC 69, 1.
- M. Wood, T. Oswalt 1998, "White Dwarf Cosmochronology I: Monte Carlo Simulations Proper Motion- & Magnitude-Limited Samples Using Schmidt's $1/V_{\max}$ Estimator," ApJ 497, 870.
- M. Dietrich, et al. (incl. T. Oswalt) 1998, "Steps Toward Determination of the Size and Structure of the Broad-Line Region in Active Galactic Nuclei XII: Ground-Based Monitoring of 3C 390.3," ApJ Suppl, 115, 185.
- J.R. Webb, I. Freedman*, E. Howard*, F. Ma*, M. Belfort*, H. Rave*, K. Rumstay, S. Nicol*, J. Krick*, T. Oswalt, T. Robishaw*, D. Marshall* 1998, "Broadband Optical Observations of BL Lac During the 1997 Outburst," AJ 115, 2244.
- T.D. Oswalt 1999, "White Dwarfs and NStars: Finding Stellar Remnants in the Solar Neighborhood (invited paper) Proceedings of the NStars Workshop, NASA/Ames Research Center, June 24-26, ed. T. Henry & D. Backman, in press.
- N. Silvestri, T. Oswalt, J. Smith, M. Wood, N. Reid, E. Sion 2000, "White Dwarfs in Common Proper Motion Binary System: Mass Distribution & Kinematics," in press.

Collaborators (last 48 months)

M. Castelaz (East Tenn. St. U.), M. Dietrich (U. Heidelberg), D. Hall (Vanderbilt U.), G. Handler (U. Vienna), S. Hawley (U. Washington), G. Henson (East Tenn. St. U.), P. Hintzen (U. Cal., Long Beach), J.B. Holberg, (U. Arizona), M.A. Leake (Valdosta St. U.), L.A. Magnani (U. Georgia), N. Reid (U. Penn.), K. Rumstay (Valdosta St. U.), J.S. Shaw (U. Georgia), R. Silvotti (Obs. Astr. di Capodimonte, Italy), C.E. Simpson (Florida Int'l. U.), E.M. Sion (Villanova U.), J.A. Smith (U. Wyoming), J. Webb (Florida Int'l. U.), M.A. Wood (Florida Tech)

Graduate and Post-Graduate Advisors and Advisees

- Ph.D. Advisor: Terry P. Roark (The Ohio St. U.; now President Emeritus, U. Wyoming)
- M.S. Advisees (only those in Astronomy academic or research positions are listed):
 - P. Marcum (M.S. in Space Sciences 1990, Florida Tech; now at Texas Christian U.)
 - S. Penton (M.S. in Space Sciences 1990, Florida Tech; now at U. Colorado)
- Ph.D. Advisees:
 - N. Silvestri (Ph.D. in Space Sciences, expected 2002, Florida Tech)
 - J.A. Smith (Ph.D. in Space Sciences 1997, Florida Tech; now at U. Wyoming)