

CURRICULUM VITAE

(Last Updated 5/08)

Name: Matthew A. Wood

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Born: 17 August 1961 in Ottumwa, Iowa, U.S.A.

Education: Ph.D., Astronomy: The University of Texas at Austin, May 1990
M.A., Astronomy: The University of Texas at Austin, Dec. 1985
B.Sci., Physics: Iowa State University, May 1983

Work Experience: 8/04 – Present Professor
Department of Physics & Space Sciences
Florida Institute of Technology

8/96 – 7/04 Associate Professor
Florida Institute of Technology

6/91 – 7/96 Assistant Professor
Florida Institute of Technology

6/90 – 5/91 NSF–NATO Postdoctoral Fellow
Département de Physique
Université de Montréal

Honors: NSF-NATO Postdoctoral Fellowship, 1990-1991
NASA Graduate Student Researchers Program Fellowship 1987-1990

Societies: American Astronomical Society
International Astronomical Union
Royal Astronomical Society
Sigma Pi Sigma
Florida Academy of Sciences

Visiting Scientist: International Ultraviolet Explorer satellite (NASA/Goddard)
Kitt Peak National Observatory
Mauna Kea Observatory
Keck Observatory
Hubble Space Telescope
McDonald Observatory

Proposal Reviewer: NSF / NASA / NOAO

Referee: *The Astrophysical Journal (Main Journal and Letters)*
Monthly Notices of the Royal Astronomical Society
Astronomy and Astrophysics
SCIENCE
Publications of the Astronomical Society of the Pacific
Astrophysics and Space Science

- Major Grants:**
- NSF REU SARA Site Program (PI) “*The Southeastern Association for Research in Astronomy REU Site Program*”
2006-2010 (\$478,180)
 - NSF Major Research Instrumentation (Co-PI) “*Acquisition of a Small Telescope for Astron. Research: Florida Tech’s ‘Rising STAR Project’*”
2004-2005 (\$347,000)
 - NSF Stellar Astronomy and Astrophysics (PI) “*Understanding Cataclysmic Variable Accretion Disk Dynamics and Viscosity*”
2002–2005 (\$62,800)
 - NSF SAA (Co-PI) “*Calibrating Stellar Chromospheric Activity and the Galaxy’s Dark Matter Content Using White Dwarf Cooling Times*”
2002-2005 (\$177,026)
 - NSF REU Site Program (PI) “*The SARA REU Site Program*”
2001-2006 (\$461,200)
 - NSF DUE-ILI (PI) “*Computational Physics at Florida Tech*”
1999-2000 (\$15,516)
 - NASA Astrophysics Theory Program (PI)
“*White Dwarf Astrophysics and the Age and Evolution of the Galaxy*”
1995-2000 (\$173,000)
 - NSF REU Astronomical Sciences Site Program (Co-PI; PD yrs 1999, 2000)
“*Fostering Undergraduate Astronomical Research in the Southeast: The SARA REU Program*”
1997–2001 (\$323,227)
 - NSF Stellar Astronomy and Astrophysics (PI)
“*White Dwarf Evolution and the Local Star Formation History*”
1993–1996 (\$69,500)
 - Earnest F. Fullam Award (PI) with T. D. Oswalt (Co-I)
“*Constraints on the Age and Evolution of the Galaxy from the White Dwarf Luminosity Function*”
1992 (\$10,000)
- Courses Taught:**
- Physics 1 and 2 (PHY 1001 & PHY 2002)
 - Computational Physics (PHY 3030)
 - Introduction to Space Sciences (SPS 1020)
 - Methods & Instrumentation in Astronomy (SPS 3020)
 - Astrophysics 1: Stellar Structure and Evolution (SPS 4010)
 - Astrophysics 2: Galactic Structure and Cosmology (SPS 4020)
 - Plasma Physics (SPS 4025)
 - Physics of the Atmosphere (SPS 4030)
 - White Dwarfs and Accretion Phenomena in Astrophysics (Grad: SPS 5088)
 - Astrophysics 1 & 2 (Graduate; SPS 5010 & SPS 5011)
- Other:**
- Chairman, Southeastern Assoc. for Research in Astron. (SARA) 1998-2000
 - Program Director, SARA-REU Summer Site Program, 1998-present
 - SARA Board Member, 1995-1998, 2000-present
 - Colloquium Chairman, Dept. of Physics and Space Sciences, 1991-2000
 - Space Sciences Curriculum Coordinator, 1993-present

Publications: Total Refereed: **63** Non-Refereed: **69**

Refereed Publications:

Note: In the interest of space, I list papers with more than 8 authors as “FirstAuthor et al. (includes Wood, M.A.)”.

- 1) Wood, M.A., Winget, D.E., Nather, R.E., Hessman, F.V., Liebert, J. Kurtz, D.W., Wesemael, F., and Wegner, G. “The Exotic Helium Variable PG 1346+082”, 1987, *Ap. J.*, **313**, 757.
- 2) Robinson, E.L., Shafter, A.W., Hill, J.A., Wood, M.A., and Mattei, J.A. “Detection of Superhumps and Quasi-Periodic Oscillations in the Light Curve of the Dwarf Nova SW Ursae Majoris”, 1987, *Ap. J.*, **313**, 772.
- 3) Winget, D.E., et al. (includes Wood, M.A.) “Discovery of a Massive Non-Luminous Orbital Companion to the White Dwarf G29-38”, 1990 *Ap. J.*, **357**, 630.
- 4) Tamanaha, C.M., Silk, J., Wood, M.A., and Winget, D.E. “The White Dwarf Luminosity Function: A Possible Probe of the Galactic Halo”, 1990 *Ap. J.*, **358**, 164.
- 5) Wood, M.A. “White Dwarf Stars and the Age of the Galactic Disk”, 1990 *J. Can. Roy. Ast. Soc.*, **84**, 150.
- 6) Winget, D.E., et al. (includes Wood, M.A.) “Asteroseismology of the DOV Star PG1159–035 with the Whole Earth Telescope”, 1991 *Ap. J.*, **378**, 326.
- 7) Kepler, S.O., et al. (includes Wood, M.A.) “A Measurement of the Evolutionary Timescale of the Cool White Dwarf G117-B15A with the Whole Earth Telescope”, 1991, *Ap. J. Letters*, **378**, L45.
- 8) Wood, M.A. “Constraints on the Age and Evolution of the Galaxy from the White Dwarf Luminosity Function”, 1992, *Ap. J.*, **386**, 539.
- 9) Clemens, J.C., et al. (includes Wood, M.A.) “Whole Earth Telescope Observations of V471 Tauri - The Nature of the White Dwarf Variations” 1992, *Ap. J.*, **391**, 773.
- 10) Bradley, P.A., Winget, D.E., and Wood, M.A. “Maximum Rates of Period Change for DA White Dwarf Models with Carbon and Oxygen Cores” 1992, *Ap. J. Letters*, **391**, L33.
- 11) Wood, M.A., and Oswalt, T. D. “The Binary System L151-81: a Test of Accretion Theory” 1992, *Ap. J. Letters*, **394**, L53.
- 12) Bradley, P.A., Winget, D.E., and Wood, M.A. “The Potential for Asteroseismology of DB White Dwarf Stars” 1993, *Ap. J.*, **406**, 661.
- 13) Winget, D. E., et al. (includes Wood, M.A.) “Whole Earth Telescope Observations of the DBV White Dwarf GD 358” 1994, *Ap. J.*, **430**, 839.
- 14) Bergeron, P., Wesemael, F., Beauchamp, A., Wood, M.A., Lamontagne, R., Fontaine, G., and Liebert, J. 1994, “A Spectroscopic Analysis of DAO and Hot DA White Dwarfs: The Implications of the Presence of Helium and The Nature of DAO Stars” *Ap. J.*, **432**, 305.

- 15) Kleinman, S.J., et al. (includes Wood, M.A.) “Observational Limits on Companions to G29–38” 1994, *Ap. J.*, **436**, 875.
- 16) Breger, M.A., et al. (includes Wood, M.A.) “The δ Scuti star FG Vir. I. Multiple pulsation frequencies determined with a combined DSN/WET campaign” 1995, *A&A*, **297**, 473.
- 17) Muslimov, A.G., Van Horn, H.M., and Wood, M.A. “Magnetic Field Evolution in White Dwarfs: Complexity of the Magnetic Field and Hall Effect” 1994, *Ap.J.*, **442**, 758.
- 18) Provencal, J.L., et al. (includes Wood, M.A.) “The Unusual Helium Variable AM CVn” 1995, *Ap.J.*, **445**, 927.
- 19) Kepler, S.O., et al. (includes Wood, M.A.) “Whole Earth Telescope Observations of the DAV White Dwarf G226-29” 1995, *Ap.J.*, **447**, 874.
- 20) Kawaler, S.D., et al. (includes Wood, M.A.) “Whole Earth Telescope Observations and Seismological Analysis of the Pre-White Dwarf PG 2131+066” 1995, *Ap.J.*, **450**, 350.
- 21) Breger, M., et al. (includes Wood, M.A.) “The δ Scuti star FG Vir. II. A search for high pulsation frequencies” 1996, *A.&A.*, **309**, 197.
- 22) Simpson, J. C., & Wood, M. A. “Classical Kinetic Theory Simulations Using Smoothed Particle Hydrodynamics” 1996, *Phys. Rev. E*, **54**, 2077.
- 23) Oswalt, T.D., Smith, J.A., Wood, M. A., and Hintzen, P. “A Lower Limit of 9.5 Gyr on the Age of the Galactic Disk from the Oldest White Dwarf Stars” 1996, *Nature*, **382**, 692.
- 24) Handler, G., et al. (includes Wood, M.A.) “New Whole Earth Telescope observations of CD-24 7599: steps towards δ Scuti star seismology” 1997, *MNRAS*, **286**, 303.
- 25) Provencal, J.L., et al. (includes Wood, M.A.) “Whole Earth Telescope Observations of the Helium Interacting Binary PG1346+082 (CR Boo)” 1997, *Ap.J.*, **480**, 383.
- 26) Richer, H.B., et al. (includes Wood, M.A.) “White Dwarfs in Globular Clusters: HST Observations of M4” 1997, *Ap.J.*, **484**, 741.
- 27) Kleinman, S.J., et al. (includes Wood, M.A.), “Understanding the Cool DA White Dwarf Pulsator, G29–38”, 1998, *Ap.J.*, **495**, 424.
- 28) O’Brien, M. S., et al. (includes Wood, M.A.), “Whole Earth Telescope Observations of the Pulsating Pre-White Dwarf PG0122+200: a Star Cooled by Neutrinos” 1988, *Ap.J.*, **495**, 458.
- 29) Wood, M.A., , & Oswalt, T.D. “White Dwarf Cosmochronometry, I: Monte Carlo Simulations of Proper-Motion- and Magnitude-Limited Samples Using Schmidt’s $1/V_{\max}$ Estimator” 1998, *Ap.J.*, **497**, 870.
- 30) Simpson, J.C., & Wood, M.A. “Time-Series Energy Production in SPH Accretion Disks: Superhumps in the AM CVn Stars”, 1998, *Ap.J.*, **506**, 360.
- 31) Montgomery, M.H., Klumpe, E.W., Winget, D.E., & Wood, M.A. “Evolutionary Calculations of Phase Separation in Crystallizing White Dwarf Stars”, 1999, *Ap.J.*, **525**, 482-491.

- 32) Wood, M.A., Montgomery, M.M., & Simpson, J.C. “Smoothed Particle Hydrodynamics Simulations of Apsidal and Nodal Superhumps”, 2000, *Ap.J. Letters*, **535**, L39.
- 33) Vuille, F., et al. (includes Wood, M. A.) “Normal modes and Discovery of High-Order Cross-Frequencies in the DBV White Dwarf GD 358”, 2000, *MNRAS*, **314**, 689.
- 34) Handler, G., et al. (includes Wood, M. A.) “Delta Scuti Network Observations of XX Pyx: Detection of 22 Pulsation Modes and of Short-Term Amplitude and Frequency Variations”, 2000, *MNRAS*, **318**, 511.
- 35) Handler, G., et al. (includes Wood, M.A.) “Time series photometry of the δ -Scuti Star XX Pyxis”, 2000, *J. Astrophys. Data*, **6**, 4A.
- 36) Wood, M.A., Oswalt, T.D., & Claver, C.F “Time series photometry of the δ -Scuti Star XX Pyxis: G. SARA 0.9-m Observations”, 2000, *J. Astrophys. Data*, **6**, 4G.
- 37) Silvestri, N. M., Oswalt, T. D., Wood, M. A., Smith, J. A., Reid, I. N., & Sion, E. M. “White Dwarfs in Common Proper Motion Binary Systems: Mass Distribution and Kinematics”, *A.J.*, 2001, 121, 503.
- 38) Breger, M., Garrido, R., Wood, M.A., Shobbrook, R.R., Handler, G., Bishof, K.M., Rodler, F., Stankov, A., Martinez, P., O’Donoghue, D., Szabo, R., Gray, R., and Kaye, A. 2002 “29 Frequencies for the δ Scuti Variable BI CMi: Results of the 1997-2000 Multisite Campaigns”, *MNRAS*, **329**, 531-542.
- 39) Kurtz, D.K. et al. (includes Wood, M.A.) “Discovery of the Missing Mode in HR 1217 by the Whole Earth Telescope”, 2002, *MNRAS*, **330**, 57-61
- 40) Vauclair, G. et al. (includes Wood, M.A.) “Asteroseismology of RXJ 2117+3412, the hottest pulsating PG 1159 star”, 2002, *A&A*, **381**, 122-150.
- 41) Wood, M.A., Casey, M. J. Garnavich, P.M., & Haag, B. “Superhumps in The Helium Dwarf Nova KL Draconis”, 2002, *MNRAS*, **334**, 87–93.
- 42) Handler, G., Metcalf, T.S., & Wood, M. A. “The Asteroseismological Potential of the Pulsating DB White Dwarf Stars CBS 114 and PG1456+103”, 2002, *MNRAS*, **335**, 698-706.
- 43) Patterson, J., et al. (includes Wood, M. A.) “Superhumps in Cataclysmic Binaries. XXIII V442 Ophiuchi and RX J1643.7+3402”, 2002, *PASP*, **114**, 1364-1381.
- 44) Handler, G. et al. (includes Wood, M. A.) “Amplitude and Frequency Variability of the Pulsating DB White Dwarf Stars KUV 05134+2605 and PG 1654+160 Observed with the Whole Earth Telescope” 2003, *MNRAS*, **340**, 1031-1038
- 45) Schuh, S.L., et al. (includes Wood, M. A.) “2MASS J0516288+260738: Discovery of the First Eclipsing Late K+Brown Dwarf Binary System?” 2003, *A&A*, **410**, 649-661
- 46) Kepler, S.O. et al. (includes Wood, M. A.) “The Everchanging Pulsating White Dwarf GD358” 2003, *A&A*, **401**, 639-654
- 47) Mukadam, A. S. et al. (includes Wood, M. A.) “Constraining the Evolution of ZZ Ceti” 2003, *ApJ*, **594**, 961-970.

- 48) Reed, M. D. et al. (includes Wood, M. A.) “The Evolution of a Hot Subdwarf: Observations of the Pulsating Subdwarf B Star Feige 48” 2004, *MNRAS*, **348**, 1164-1174.
- 49) Castanheira, B. G. et al. (includes Wood, M. A.) “Observations of the Pulsating White Dwarf G 185-32” 2004, *A&A*, **413**, 623.
- 50) Kurtz, D. W. et al. (includes Wood, M. A.) “Pushing the ground-based limit: 14- μ mag photometric precision with the definitive Whole Earth Telescope Asteroseismic Data Set for the Oscillating Ap star HR 1217” 2005, *MNRAS*, **358**, 651.
- 51) Wood, M. A. et al. “DQ Herculis in Profile: Whole Earth Telescope Observations and Smoothed Particle Hydrodynamics Simulations of an Edge-on Cataclysmic Variable System” 2005, *Ap. J.*, **634**, 570-584
- 52) Dolez, N., et al. (includes Wood, M. A.) “Whole Earth telescope observations of the ZZ ete Star HL Tau 76” 2006, *A&A*, **446**, 237
- 53) Wood, M. A., Dolence, J., & Simpson J. C., “FITDisk: A Cataclysmic Variable Accretion Disk Demonstration Tool,” 2005, *PASP*, **118**, 442
- 54) Vuckovic, M., et al. (includes Wood, M. A.) “Whole Earth Telescope Observations of the Pulsating Subdwarf B Star PG0014+067” 2006, *Ap. J.*, **646**, 1230
- 55) Hynes, R.I., et al. (includes Wood, M. A.) “Further Evidence for Variable Synchrotron Emission in XTE J1118+480 in Outburst,” 2006, *Ap. J.*, **651**, 401
- 56) Fu, J.-N., et al. (includes Wood, M. A.) “Asteroseismology of the PG 1159 star PG 0122+200,” 2007, *A&A*, **467**, 237
- 57) Wood, M. A. & Burke, C. J. “The Physical Origin of Negative Superhumps in Cataclysmic Variables”, 2007, *Ap. J.*, **661**, 1042
- 58) Vaccaro, T. R.; Rudkin, M.; Kawka, A.; Vennes, S.; Oswalt, T. D.; Silver, I.; Wood, M.; Smith, J. Allyn “LP 133-373: A New Chromospherically Active Eclipsing dMe Binary with a Distant, Cool White Dwarf Companion,” 2007, *Ap. J.*, **661**, 1112
- 59) Rodriguez, E., et al. (includes Wood, M. A.) “ δ Sct stars in eclipsing binaries: the case of Y Cam,” 2007, *Comm. Asteroseismology*, **150**, 63
- 60) Nitta, A., et al. (includes Wood, M. A.) “Doubling the number of DBVs and a closer look at their Instability Strip,” 2007, *Comm. Asteroseismology*, **150**, 249
- 61) Sullivan et al. (includes Wood M. A.) “Whole Earth Telescope observations of the hot helium atmosphere pulsating white dwarf EC20058-5234”, 2008, *MNRAS*, in press
- 62) Costa et al. (includes Wood, M. A.) “The Pulsation modes of the Pre-White Dwarf PG 1195-035”, 2008, *A&A*, **477**, 627
- 63) Dolence, J., Wood, M. A., & Silver, I. M. “Smoothed Particle Hydrodynamics Simulations of Direct Impact Accretion in AM CVn Stars”, 2008, *Ap. J.*, in press.

Non-Refereed Publications:

- 1) Wood, M.A., Winget, D.E., Nather, R.E., Liebert, J., Wesemael, F., and Wegner, G. "PG 1346+082: An Interacting Binary White Dwarf System", 1987, in *Stellar Pulsation*, ed. A.N. Cox and W.M. Sparks (New York: Springer-Verlag), p. 348.
- 2) Shafter, A.W., Hill, J.A., Robinson, E.L., Szkody, P., Thorstensen, J.R., and Wood, M.A. "The Ultrashort Period Dwarf Nova SW Ursae Majoris", 1986, in *IAU Coll. #93: Cataclysmic Variables — Recent Multi-Frequency Observations and Theoretical Developments*, ed. H. Drechsel, (Dordrecht: Reidel), *Astr. & Sp. Sci.*, **130**, 125.
- 3) Wood, M.A., Winget, D.E., and Van Horn, H.M. "A Comparative Study of White Dwarf Evolution", 1987, in *IAU Coll. #95: The Second Conference on Faint Blue Stars*, eds. A.G. Davis Philip, Donald S. Hayes and James W. Liebert (New York: L. Davis Press), p. 639.
- 4) Wood, M.A., and Winget, D.E. "ZZ Ceti Mode Trapping Revisited", 1988, in *Multimode Stellar Pulsation*, eds. G. Kovács, L. Szabados, and B. Szeidl (Konkoly Observatory · Kultura: Budapest) p. 199.
- 5) Wood, M.A., and Winget, D.E. "A Variational Approach to Understanding White Dwarf Evolution", 1988, in *IAU Coll. #114: White Dwarfs*, ed. G. Wegner (Berlin: Springer-Verlag) p. 282.
- 6) Provencal, J.L., et al. (includes Wood, M.A.) "The Time Dependence of the Phases of the Harmonics Relative to the 1490 sec Fundamental in PG1346+082", 1988, in *IAU Coll. #114: White Dwarfs*, ed. G. Wegner (Berlin: Springer-Verlag), p. 296.
- 7) Bradley, P.A., Winget, D.E., and Wood, M.A. "The Effect of Varying Helium and Hydrogen Layer Masses on the Pulsation Properties of White Dwarf Models", 1988 in *IAU Coll. #114: White Dwarfs*, ed. G. Wegner (Berlin: Springer-Verlag), p. 286.
- 8) Wood, M.A. "The Age and Formation of the Galaxy: Clues from the White Dwarf Luminosity Function", 1991 in *Proceedings of the 7th European Workshop on White Dwarfs*, eds. G. Vauclair and E. M. Sion (Kluwer Academic Publ.: The Netherlands), p. 89.
- 9) Kepler, S.O., et al. (includes Wood, M.A.) "A Measurement of the Evolutionary Timescale of the Cool White Dwarf G117–B15A with WET", 1991 *Proceedings of the 7th European Workshop on White Dwarfs*, eds. G. Vauclair and E. M. Sion (Kluwer Academic Publ.: The Netherlands), p. 143.
- 10) Fontaine, G., Brassard, P., Wesemael, F., Kepler, S.O., and Wood, M.A. "On the Interpretation of the dP/dt Measurement in G117–B15A", 1991 *Proceedings of the 7th European Workshop on White Dwarfs*, eds. G. Vauclair and E. M. Sion (Kluwer Academic Publ.: The Netherlands), p. 153.
- 11) Oswalt, T.D., et al. (includes Wood, M.A.) 1992, in *A.S.P. Conf Series Vol. 28: Automated Telescopes for Photometry and Imaging*, eds. S.J. Adelman, R.J. Dukes, Jr., and C. J. Adelman (San Francisco: Astron. Soc. Pacific), p. 111.

- 12) Oswalt, T.D., et al. (includes Wood, M.A.) “The SARA Kitt Peak 0.9-m Telescope Project: Collaborative Research in Astronomy,” 1992, *Council on Undergraduate Research Newsletter*, **13**, 53.
- 13) Bradley, P.A., and Wood M.A., 1993, “An Example Demonstrating the Potential for Asteroseismology of DB White Dwarf Stars”, in *IAU Coll. 139, New Perspectives on Stellar Pulsation & Pulsating Variable Stars*, eds. J. Nemeč & J.M. Matthews, (Cambridge: Cambridge Univ. Press), p. 116.
- 14) Clemens, J.C., et al. (includes Wood, M.A.) 1993, “Whole Earth Telescope Observations of the DBV White Dwarf PG1115+158: Preliminary Results” in *White Dwarfs: Advances in Observation and Theory*, ed. M. A. Barstow (Dordrecht: Kluwer) p. 515
- 15) Wood, M. A. “New Model Sequences from the White Dwarf Evolution Code” 1994, in *IAU Coll. 147: The Equation of State in Astrophysics*, eds. G. Chabrier and E. Schatzmann (Cambridge U. Press: Cambridge) p. 612.
- 16) Wood, M.A. “Theoretical White Dwarf Luminosity Functions: DA Models” 1995, in *Proceedings of the 9th European Workshop on White Dwarfs*, eds. D. Koester and K. Werner (Berlin: Springer-Verlag) p. 41.
- 17) Handler, G., et al. (includes Wood, M.A.) “New WET observations of the δ Scuti star CD-24 7599: amplitude variability and discovery of 13 pulsation modes” 1995, in *IAU Coll. 155: Astrophysical Applications of Stellar Pulsation*, eds. R.S. Stobie, and S.P.A. Whitelock, (PASPC), p. 331.
- 18) Kepler, S.O., Giovannini, O., Kanaan, A., Wood, M.A., and Claver, C. F. “Non-Variable Stars Inside the ZZ Ceti Instability Strip” 1995, *Baltic Astronomy*, **4**, 157.
- 19) Kepler, S.O., et al. (includes Wood, M.A.) “Study of the Periodicities of the DAV White Dwarf G117–B15A with the Whole Earth Telescope” 1995, *Baltic Astronomy*, **4**, 221.
- 20) Wood, M.A., , and Simpson, J. C. “A 3-D SPH Model of Helium Accretion Disks in the Interacting Binary White Dwarf Systems AM CVn and EC15330–1403” 1995, *Baltic Astronomy*, **4**, 402.
- 21) Breger, M., et al. (includes Wood, M.A.) “The Delta Scuti star FG Vir. II. A search for high pulsation frequencies” 1995, *Delta Scuti Star Newsletter*, **9**, 3-4
- 22) Fahlman, G. G., et al. (includes Wood, M.A.) “Hubble Space Telescope Observations of the Globular Cluster M4” 1996, *Proceedings of IAU Colloquium #174: Dynamical Evolution of Star Clusters*, eds. J. Makino and P. Hut (Kluwer: Dordrecht) p 39–48.
- 23) Pryor, C., et al. (includes Wood, M.A.) “Searches for Binary Stars in Globular Clusters” 1996, *Proceedings of IAU Colloquium #174: Dynamical Evolution of Star Clusters*, eds. J. Makino and P. Hut. (Kluwer: Dordrecht) p. 193–202.
- 24) Ahrens, T.J., Oswalt, T.D, Smith, J.A., and Wood, M.A., “White Dwarfs in Wide Binaries: Calibrating the Age of the Galaxy”, 1996, *IAPPPC*, **64**, 22.
- 25) Wood, M. A. “Monte Carlo Simulations of the White Dwarf Population and Luminosity Function” 1997, in *White Dwarfs*, eds. J. Isern, M. Hernanz and E. Garcia-Berro (Kluwer), p. 105.

- 26) Miller, N. A., Simpson, J. C., & Wood, M. A., 1997 “Visualizing an SPH Model of Short-Period Binary Accretion Disks” *IAPPP Communications*, 66, 64.
- 27) Wood, M.A. (invited review) “White Dwarf Cooling Curves and Searches for White Dwarfs” in *Highlights of Astronomy Vol. 11B, as presented at the XXIIIrd General Assembly of the IAU, 1997* ed. Johannes Andersen. (Kluwer: Dordrecht), 427.
- 28) Oswalt, T.D., Smith, J.A., and Wood, M.A. “Wide Binaries: Probes of the Galaxy’s Dark Matter Content” in *Highlights of Astronomy Vol. 11B, as presented at the XXIIIrd General Assembly of the IAU, 1997* ed. Johannes Andersen. (Kluwer: Dordrecht), 436.
- 29) Oswalt, T.D., Smith, J.A., and Wood, M.A. “Wide Binaries and the Age of the Galaxy” in *IAU Symposium 183: Cosmological Parameters and the Evolution of the Universe*, (Kluwer: Dordrecht), 162.
- 30) Simpson, J.C., Wood, M. A., & Burke, C.J. “The Effects of Inclination Angle on Superhump Pseudo-Lightcurves”, 1998, *Baltic Astronomy* **7** 255-267.
- 31) Burke, C.J, Wood, M.A., & Simpson, J.C. “Aspect-Dependent SPH Simulation Lightcurves of Cataclysmic Variable Accretion Disks”, 1998, *IAPPP Communications*, **71**, 44.
- 32) Patterson, J.D., Blatt, J.H., Moldwin, M.B., Oswalt, T.D., Rassoul, H.K., & Wood, M.A. “A Plan for Small Physics Department for the Twenty First Century” 1998, *Proceedings of the 35th Space Congress*, (CCTS: Cape Canaveral).
- 33) Kuehn, K., & Wood, M.A. “Taking the Pulse of SU UMa Stars” 1999, *IAPPP Communications*, **73**, 51
- 34) Baker-Branstetter, S., & Wood, M.A. “The Effects of Mass Ratio in Stable Superhumping Cataclysmic Variable Systems Using Smoothed Particle Hydrodynamics”, 2000, *IAPPP Comm.*, **76**, 31-40.
- 35) Arentoft, T., et al. (includes Wood, M.A.) “First Results of the 17th DSN Campaign: Photometry of XX Pyx”, 2000, in *The Impact of Large-Scale Surveys on Pulsating Star Research, ASP Conf. Series Vol 203, IAU Coll #176*, eds. L. Szabados and D. Kurtz, p 469-470.
- 36) Wood, M. A., et al. “Whole Earth Telescope Observations and Smoothed Particle Hydrodynamics Simulations of DQ Herculis”, 2000, *Baltic Astronomy*, **9**, 211.
- 37) Wood, M. A. “DQ Herculis”, 2000, *Encyclopedia of Astronomy and Astrophysics*, IOP Publishing, Ltd..
- 38) Silvestri, N. M., Oswalt, T. D., Wood, M. A., Smith, J. A., Reid, I. N., & Sion, E. M. 2001, “The Mass Distribution and Kinematics of White Dwarfs in Wide Binary Systems”, in *12th European Workshop on White Dwarf Stars*, ASP Conference Series Vol. 226, Eds. J. L. Provencal et al. p 246.
- 39) Jones, K. & Wood, M. A. 2001, “IDL Visualization of $q = 0.075$ SU UMa Dwarf Novae”, *IAPPP Comm.*, in press.

- 40) Casey, M., & Wood, M. A. 2002, "Discovery of Superhumps in the Helium Dwarf KL Draconis", *IAPPP Comm.*, in press.
- 41) Gobeille, D. & Wood, M. A. 2002, "Monte Carlo Simulations to Generate Luminosity Functions for White Dwarfs in Open and Globular Clusters", *IAPPP Comm.*, in press.
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