

Matt A. Wood

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Education

May 1990 **Ph.D.**, *The University of Texas at Austin.*

Dec 1985 **M.S.**, *The University of Texas at Austin.*

May 1983 **B.S.**, *Iowa State University.*

Experience

8/12-present **Department Head and Professor**, *Department of Physics & Astronomy, Texas A&M University-Commerce.*

Primary Responsibilities

- Overall planning, staffing, budgeting and supervision of 9 FTE faculty, 5 adjuncts, 8 graduate student assistants, and 1 full-time staff member for the Department of Physics & Astronomy. The department offers a B.S. in Physics, a B.S. in Physics with a Teaching Emphasis, an Emphasis in Astronomy & Astrophysics, and a Minor in Astronomy, as well as a M.S. in Physics and an online M.S. in Physics with Teaching Emphasis. The department research funding accounts for some one-quarter of the total university external funding.
- Instructor for undergraduate and graduate physics and astronomy courses
- Mentor pre-tenure faculty on strategies for securing tenure
- Help faculty to secure the resources needed to support their teaching and research activities
- Recruit undergraduate and graduate students to join our program (department enrollment is currently the highest in the history of program)
- Chair, Council of Academic Department Heads (2016-2017 academic year)
- Maintain an active research program
- Department Scholarship Committee
- SACS assessment
- Serve as A&M-Commerce Board Member for the Texas Physics Consortium
- Actively support faculty development (AAPT New Faculty Workshops, professional meetings, and training workshops)
- Evaluate faculty on a regular and continuing basis in the areas of teaching, research and service with appropriate recommendations for improvement

Accomplishments

- Named Texas A&M University-Commerce Distinguished Principal Investigator for Excellence in Research, 2014
- Awarded Outstanding Department Head Award by the Faculty Senate, 2015
- Implemented Astronomy & Astrophysics Emphasis
- Undergraduate enrollment up 100%, and graduate enrollment up by 300%
- With Dr. William Newton implemented revised program “Physics B.A./B.S. with Teaching Emphasis”
- With Drs. William Newton and Robynne Lock, worked to develop an online M.S. in Physics with Teaching Emphasis degree for high school physics teachers who may not have an undergraduate degree but who seek a Master’s degree in the discipline. Thirty-five (40) students currently enrolled in this program
- Established a 500 sq. ft. Undergraduate Physics Major’s Peer-Learning Lab (a.k.a. Student Lounge)
- Secured funding for implementation of Studio Physics for University Physics I and II. A&M-Commerce is the only Texas university to offer all calculus-based physics classes in the studio mode
- A&M-Commerce joined the SARA Telescope Consortium, providing remote student and faculty access to research grade telescopes at premier international observatories (KPNO, Arizona, USA; ORM, Canary Islands, Spain; and CTIO, Chile)
- Hired 2 new faculty members (Drs. Robynne Lock and Heungman Park)
- Helped implement twice-yearly *Physics Day* recruiting event and designed department T-shirts
- Graduated 2 Ph.D. students and 2 M.S. students.
- Published the book *Python and Matplotlib Essentials for Scientists and Engineers*, which to date has over 26,000 chapter downloads
- Hosted "The Fourth International Workshop on AM CVn Stars" (2016)

8/04 – 7/12 **Professor**, *Department of Physics & Space Sciences*, Florida Institute of Technology.

Primary Responsibilities

- Teach graduate and undergraduate courses in physics and space sciences
- Maintain an active research program and mentor research students
- Engage in service activities for the department and university

Accomplishments

- Implemented the Astrobiology option under Space Sciences
- Revised & rebranded existing Preprofessional Physics option to Premedical Physics
- Organized and Hosted the monthly Astronomy & Astrophysics Public Lecture Series (over 50,000 views to-date of [youtube.com/fitaastro](https://www.youtube.com/channel/UCfitaastro) channel)
- Chair of Graduate Research and Academic Steering Panel (2009)
- Comprehensive Exam Coordinator (2010-2012)
- Founding Editor, Journal of the Southeastern Association for Research in Astronomy (JSARA)

8/96 – 7/04 **Associate Professor**, *Department of Physics & Space Sciences*, Florida Institute of Technology.

Primary Responsibilities

- Teaching, Research, and Service

Accomplishments

- Set up a Computational Physics Lab, funded by NSF-CCLI grant
- Graduated 1 Ph.D. student and 3 M.S. students
- Served on the University Web Advisory Committee
- Served as Board Chair for the SARA Telescope Consortium (1998-2000), and Board Member elsewhere

6/91 – 7/96 **Assistant Professor**, *Department of Physics & Space Sciences*, Florida Institute of Technology.

Primary Responsibilities

- Teaching, Research, and Service
- Colloquium Chair

Accomplishments

- Space Sciences Curriculum Coordinator
- Implemented the Astronomy and Astrophysics option under the Space Sciences degree program
- Graduated Ph.D. student Dr. James Simpson, and 3 M.S. students
- Founding faculty advisor for student organization Students for the Exploration and Development of Space (SEDS)
- Served as Faculty Senator for 3 years
- Created departmental web pages in 1992 and maintained and updated through the years

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

Sabbatical

8/08 – 5/09 **Visiting Professor**, *Department of Astrophysics, Radboud University, Nijmegen, The Netherlands.*

Professional Organizations

- American Astronomical Society
- American Physical Society
- American Association of Physics Teachers
- Royal Astronomical Society
- Sigma Pi Sigma

Grants (over \$2.5M as PI)

- 2013–2016 **NSF AST-MRI**, *MRI Consortium: Acquisition of Remote Observing Instrumentation for the Southeastern Association for Research in Astronomy Jacobus Kapteyn 1.0m Telescope*, \$473,950.
- 2014 **APS Intl. Travel Grant**, *Visiting Scientist at University of Cape Town*, \$2,000.
- 2013–2016 **NSF PHY-REU**, *REU Site in Physics and Astronomy at Texas A&M University-Commerce*, \$286,945, Co-PI.
- 2012–2015 **NASA Kepler Mission**, *Cataclysmic Variables in the Kepler Field*, \$29,522.
- 2011–2015 **NSF Stellar Astronomy & Astrophysics**, *Kepler Field Cataclysmic Variables and the Nature of Astrophysical Plasma Viscosity*, \$224,720.
- 2010–2012 **NSF AST-REU**, *The Southeastern Association for Research in Astronomy REU Summer Intern Program*, \$385,858.
- 2006–2010 **NSF AST-REU**, *The Southeastern Association for Research in Astronomy REU Site Program*, \$478,180.
- 2004–2006 **NSF AST-MRI**, *Acquisition of a Small Telescope for Astronomical Research: Florida Tech's Rising STAR Project*, \$347,040.
- 2002–2005 **NSF Stellar Astronomy & Astrophysics**, *Understanding Catalcysmic Variable Accretion Disk Dynamics and Viscosity*, \$62,800.
- 2001–2006 **NSF AST-REU**, *The SARA REU Site Program*, \$461,200.
- 1999–2000 **NSF DUE-ILI**, *Computational Physics at Florida Tech*, \$15,516.
- 1995–2000 **NASA Astrophysics Theory Program**, *White Dwarf Astrophysics and the Age and Evolution of the Galaxy*, \$173,000.
- 1992–1996 **NSF Stellar Astronomy & Astrophysics**, *White Dwarf Evolution and the Local Star Formation History*, \$69,500.
- 1992 **Dudley Observatory Earnest F. Fullam Award**, *Constraints on the Age and Evolution of the Galaxy from the White Dwarf Luminosity Function*, \$10,000.

Awards

- Distinguished Principal Investigator for Excellence in Research, 2014. Texas A&M University-Commerce
- Outstanding Department Head, 2015, Texas A&M University-Commerce

Professional Leadership Development

- *APS National Mentoring Community Conference*, October 21–23, 2016, Houston, Texas.
- *AAPT-APS Building a Thriving Physics Department Conference*, February 6–8, 2015, Seattle, Washington.
- *AAPT-APS Physics Department Chairs Conference*, June 6–8, 2014, College Park, Maryland.
- *Decision Points for Academic Leaders: Ethics, Policy, and Leadership*, July 11–12, 2013, College Station, Texas.

Teaching Experience

- Calculus-Based Physics I: Mechanics
- Calculus-Based Physics II Electricity and Magnetism
- Computational Physics with Python
- Astrophysics 1: Stellar Structure and Evolution (taught both at undergraduate and graduate levels)
- Astrophysics 2: Galactic Structure and Cosmology (both undergraduate and graduate levels)
- Introduction to Space Sciences
- Methods & Instrumentation in Astronomy
- Introduction to Plasma Physics
- Physics of the Atmosphere
- White Dwarf Stars and Accretion Phenomena in Astrophysics (Graduate)
- Musical Acoustics: The Science of Sound
- Advanced Electricity and Magnetism

Visiting Scientist

- Mauna Kea Observatory
- Kitt Peak International Observatory
- Keck Observatory
- Hubble Space Telescope
- McDonald Observatory
- International Ultraviolet Explorer Satellite

Publications:

Total Refereed: 85

Non-Refereed: 81

h-index: 35

Book and Book Chapter

- 1) Wood, M. A. “Numerical Techniques in Astrophysics,” 2012, Planets, Stars, and Stellar Systems (Springer), Vol 2: Astronomical Techniques, Software and Data, 481
- 2) Wood, M. A., “Python & Matplotlib Essentials for Scientists and Engineers” 2015, Morgan & Claypool Publishers, doi: 10.1088/978-1-6270-5620-5. Online ISBN: 978-1-6270-5620-5. Print ISBN: 978-1-6270-5619-9.

Refereed Publications

- 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, *ApJ*, 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, *ApJ* 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 *ApJ* 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 *ApJ* 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 *ApJ* 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, *ApJ Letters*, 378, L45.
- 8) Wood, M.A. “Constraints on the Age and Evolution of the Galaxy from the White Dwarf Luminosity Function,” 1992, *ApJ* 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, *ApJ* 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, *ApJ Letters*, 391, L33.

- 11) Wood, M.A., and Oswalt, T. D. “The Binary System L151-81: a Test of Accretion Theory” 1992, ApJ Letters, 394, L53.
- 12) Bradley, P.A., Winget, D.E., and Wood, M.A. “The Potential for Asteroseismology of DB White Dwarf Stars” 1993, ApJ 406, 661.
- 13) Winget, D. E., et al. (includes Wood, M.A.) “Whole Earth Telescope Observations of the DBV White Dwarf GD 358” 1994, ApJ 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” ApJ 432, 305.
- 15) Kleinman, S.J. et al. (includes Wood, M.A.) “Observational Limits on Companions to G29–38” 1994, ApJ 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., 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., 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., 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, *ApJ 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, ApJ 634, 570-584
- 52) Dolez, N., et al. (includes Wood, M. A.) "Whole Earth telescope observations of the ZZ eti 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, ApJ 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, ApJ 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, ApJ 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, ApJ 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, 387, 137
- 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, ApJ 683, 375
- 64) Handler, G., Romero-Colmenero, E., Provencal, J. L., Sanchawala, K., Wood, M. A., Silver, I., & Chen, W.-P. “The pulsating DA white dwarf star EC14012-1446: results from four epochs of time-resolved photometry,” 2008, MNRAS, 388, 1444
- 65) Wood, M. A., “Synthetic direct impact light curves of the ultracompact AM CVn binary systems V407 Vul and HM Cnc,” 2009, MNRAS, 395, 378
- 66) Wood, M. A., Thomas, D. M., & Simpson, J. C. “SPH simulations of negative (nodal) superhumps: a parametric study,” 2009, MNRAS, 298, 2110
- 67) Still, M., Howell, S. B., Wood, M. A., Cannizzo, J. K., & Smale, A. P. “Quiescent Superhumps Detected in the Dwarf Nova V344 Lyrae by Kepler,” 2010, ApJL, 717, L113
- 68) Rodriguez, E., et al. (includes Wood, M. A.) “ δ Sct-type pulsations in Eclipsing Binary Systems: Y Cam,” 2010, MNRAS, 408, 2149
- 69) Cannizzo, J. K., Still, M., Howell, S. B., Wood, M. A., Cannizzo, J. K., & Smale, A. P. “The Kepler Light Curve of V344 Lyrae: Constraining the Thermal-Viscous Limit Cycle Instability,” 2011, ApJ, 725, 1393
- 70) Redaelli, M., et al. (includes Wood, M. A.) “The Pulsations of PG 1351+489,” 2011, MNRAS, 415, 1220
- 71) Vauclair, G., et al. (includes Wood, M. A.) “The period and amplitude changes in the coolest GW Virginis variable star (PG 1159-type) PG 0122+200,” 2011, A&A, 528, A5
- 72) Vican, Laura, et al. (includes Wood, M.A.) “A Thousand Hours of GW Librae: The Eruption and Aftermath,” 2011, PASP, 123, 1156-1168
- 73) Wood, M. A., Still, M., Smale, A. P., Howell, S. B., Cannizzo, J. K. “V344 Lyrae: An SU UMa Cataclysmic Variable in the Kepler Field,” 2011, ApJ, 741, 105

- 74) van Haafden, L. M., Nelemans, G., Voss, R., Wood, M. A., & Kuijpers, J. “The Evolution of Compact X-Ray Binaries,” 2012, *A&A*, 537, A104
- 75) Cannizzo, J. K., Smale, A. P., Wood, M. A., Still, M. D., & Howell, S. B. “The Kepler light curves of V1504 Cygni and V344 Lyrae: A study of the Outburst Properties,” 2012, *ApJ*, 747, 117
- 76) Provencal, J. L., et al. (includes Wood, M. A.) “Empirical Determination of Convection Parameters in White Dwarfs. I. Whole Earth Telescope Observations of EC14012-1446,” 2012, *ApJ*, 751, 91
- 77) Ramsay, G. Cannizzo, J. K., Howell, S. B., Wood, M. A., Still, M., Barclay, T., Smale, A. “Kepler observations of V447 Lyr: an eclipsing U Gem Cataclysmic Variable,” 2012, *MNRAS*, 425, 1479
- 78) Howell, S. B., Everett, M. E., Seebode, S. A., Szkody, P., Still, M., Wood, M. A., Ramsay, Gavin, Cannizzo, J., Smale, A. “Spectroscopy of New and Poorly Known Cataclysmic Variables in the Kepler Field,” 2013, *AJ*, 145, 109
- 79) Ramsay, G., Howell, S. B., Wood, M.A., Smale, A., Barclay, T. Seebode, S. A., Gelino, D., Still, M., Cannizzo, J. K. “BOKS 45906: a CV with an orbital period of 56.6 min in the Kepler field?,” 2014, *MNRAS*, 438, 789
- 80) Thomas, D. M., & Wood, M. A. “The Emergence of Negative Superhumps in Cataclysmic Variables: Smoothed Particle Hydrodynamics Simulations,” 2015, *ApJ*, 883, 55
- 81) Ramsay, G., Hakala, P., Wood, M. A, Howell, S. B, Smale, A., Still, M., & Barclay, T. 2015, “Continuous ‘stunted’ outbursts detected from the Cataclysmic Variable KIC 9202990 using Kepler data”, *MNRAS*, 455, 277 (arXiv:1510.07448)
- 82) Cha, S.-H., & Wood, M. A. 2016, “GodunovSPH with Shear Viscosity: Implementation and Tests”, *MNRAS*, 458, 480
- 83) Keel, W. C., Oswalt, T., Mack, P., Henson, G., Hillwig, T., Batcheldor, D., Berrington, R., De Pree, C., Hartmann, D., Leake, M., Licandro, J., Murphy, B., Webb, J., & Wood, M. A. 2017, “The Remote Observatories of the Southeastern Association for Research in Astronomy (SARA)”, *PASP*, 129, 15002, arXiv:1608.06245
- 84) Boyd, D., de Miguel, E., Patterson, J., Wood, M., et al. (31 authors) 2017, “Observation and analysis of the eclipsing novalike variable DW Ursae Majoris during low and high states”, *MNRAS*, 466, 3417
- 85) Ramsay, G., Wood, M. A., Cannizzo, J., Howell, S. & Smale, Al. 2017 “V729 Sgr: A long period dwarf nova showing negative superhumps during quiescence,” *MNRAS*, (submitted)

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.
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