

Dr. Eric E. Mamajek
Curriculum Vitae - 21 November 2025

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Born October 22, 1975, in Pittsburgh, PA, USA (nationality: US citizen)
Languages: English (native), Spanish (advanced)

Research Interests Formation and evolution of exoplanetary systems: planets, substellar objects, stars, disks; stellar ages, kinematics, rotation, magnetic activity, groups

Positions

2022- [Principal Scientist, Astrophysics and Space Sciences, JPL/Caltech](#)
2020-2024 Discipline Program Manager - Exoplanets, Astro. & Physics Directorate, [JPL/Caltech](#)
2016- Deputy Program Chief Scientist, [NASA Exoplanet Exploration Program, JPL/Caltech](#)
2017- Professor of [Physics & Astronomy](#) (Research), University of Rochester
2016-2017 Visiting Professor, [Physics & Astronomy, University of Rochester](#)
2016 Professor, [Physics & Astronomy, University of Rochester](#)
2013-2016 Associate Professor, [Physics & Astronomy, University of Rochester](#)
2011-2012 Associate Astronomer, [NOAO, Cerro Tololo Inter-American Observatory](#)
2008-2013 Assistant Professor, [Physics & Astronomy, University of Rochester](#) (on leave 2011-2012)
2004-2008 [Clay Postdoctoral Fellow, Harvard-Smithsonian Center for Astrophysics](#)
2000-2004 Graduate Research Assistant, [University of Arizona, Astronomy](#)
1999-2000 Graduate Teaching Assistant, [University of Arizona, Astronomy](#)
1998-1999 [J. William Fulbright Fellow, Australia, ADFA/UNSW School of Physics](#)

Education

2004 Ph.D. [The University of Arizona, Astronomy](#)
2001 M.S. [The University of Arizona, Astronomy](#)
2000 M.Sc. [The University of New South Wales, ADFA, Physics](#)
1998 B.S. [The Pennsylvania State University, Astronomy & Astrophysics, Physics](#)
1993 H.S. [Bethel Park High School, Bethel Park, PA](#)

Fellowships

2004-2008 [Clay Postdoctoral Fellowship - Harvard-Smithsonian Center for Astrophysics](#)
2002-2004 [NASA Graduate Student Researchers Program Fellowship](#)
1998-1999 [J. William Fulbright Fellowship - Australia](#)

Research Grants, Awards, Honors

- 2025 North Star Award, NASA Jet Propulsion Laboratory
- 2024 NASA Group Achievement Award for the Habitable Worlds Observatory Collaborative Team
- 2024 co-I, JWST Cycle 3 Award, "When Worlds Collide: Formation and Evolution of a Synestia" (PI: Matthew Kenworthy)
- 2023 co-I, JWST Cycle 2 Award, "When Worlds Collide: Formation and Evolution of a Synestia" (PI: Richelle van Capelleveen)
- 2023 JPL Team Award - for 712x management supporting the JPL astro & helio R&A community
- 2023 NASA Team Award - for delivering Habitable Worlds Observatory target list to community
- 2022 [JPL Principal Scientist](#), Astrophysics and Space Sciences
- 2022 Beatrice M. Tinsley Visiting Scholar - The University of Texas at Austin
- 2021 JPL Explorer Award - contributions to Extreme Precision Radial Velocity Working Group
- 2020 NASA Team Award - Galaxy of Horrors Poster Team
- 2020 NASA Group Achievement Award - Exoplanet Standard Definition and Evaluation Team
- 2019 Robert H. Goddard Honor Award - Origins Space Telescope Mission Study Team
- 2019 NASA Group Achievement Award - Astrophysics Large Mission Study Team
- 2018 PI, K2 Guest Observer Cycle 6, "Investigating the Early Evolution of Exoplanet Properties" - \$100k (science PI: T. David)
- 2018 [AAS Nova: Mamajek \(2017\) highlighted as most-cited *Research Note of the AAS* in its 1st year](#)
- 2017 PI, JPL RT&D, "The Occurrence Rates of Close-In Exoplanets as a Function of Stellar Age" (science PI: T. David)
- 2016 PI, University of Rochester, University Research Award - \$40k
- 2015 co-I, NASA NExSS, "Chemical and Physical Characterization of Exoplanet Host Stars for Habitability and Detectability Assessments" (PI S. Desch) - subaward \$186k
- 2015 [AAS Nova: Mamajek et al. \(2015\) highlighted as one of 2015's most-downloaded papers in AAS Journals](#)
- 2014 PI, NSF-AST REU supp., "DECam Survey for Benchmark 15 Myr-old Substellar Objects in the Nearest OB Association" - \$6.5k
- 2013 PI, NSF-AST, "DECam Survey for Benchmark 15 Myr-old Substellar Objects in the Nearest OB Association" - \$288k
- 2013 PI, NSF-AST REU supp., "Chemical Self-Enrichment in the Nearest OB Association" - \$6.5k
- 2013 [AURA Team Award, DECam Installation, Commissioning, and Science Verification Team](#)
- 2012 Excellence in Undergraduate Teaching Award, Dept. Physics & Astro., Univ. Rochester
- 2011 PI, NSF-AST REU supp., "Chemical Self-Enrichment in the Nearest OB Association" - \$6.8k
- 2010 PI, NSF-AST, "Chemical Self-Enrichment in the Nearest OB Association" - \$481k
- 2010 co-I, NASA Herschel OT1, "Tracing Remnant Gas in Planet Forming Debris Disks: Confronting Theories of Ice-Giant Planet Formation" (PI V. Geers) - \$14k
- 2009 co-I, NASA ADP, "A Photometry Catalog of Stars within 130 pc Serendipitously Observed by *Spitzer*" (PI D. Hines) - \$186k
- 2007 PI, NASA *Spitzer* Cycle 4, "Search for Terrestrial Temperature Debris Around Needles in the Haystack: A Survey for Disks in a New Nearby 20 Myr Old Association" - \$65k
- 2005 co-I, NASA *Spitzer* Cycle 2, "Circumstellar Disk Evolution Across the Stellar Mass Spectrum in the Upper Sco Association" (PI J. Carpenter) - \$340k
- 2004 Clay Postdoctoral Fellowship, SAO - ~\$250k
- 2002 PI, Graduate Student Researchers Program, NASA (advisor M. Meyer) - \$48k
- 2000 PI, Grant-in-Aid Award, Sigma Xi Scientific Research Society - \$2k
- 1998 Fulbright Fellowship - \$25k

Professional Memberships (and current leadership roles)

International Astronomical Union (IAU):

NameExoWorlds 2022 Campaign (Co-Chair 2022-2023)

Steering Committee IAU100 NameExoWorlds (Co-Chair 2019-2020)

Commission F2 Exoplanets and the Solar System (Organizing Committee 2018-)

Division C WG Star Names (Chair 2016-2021, Secretary 2022-2024)

Executive Committee WG Exoplanetary System Nomenclature (Organizer, Member 2021-)

American Astronomical Society (AAS)

American Association for the Advancement of Science (AAAS)

American Association of Variable Star Observers (AAVSO)

Teaching

2016 Spring	AST 142, Astrophysics II (for Sophomore majors), UR
2015 Fall	AST 111, The Solar System and Its Origin (for Fr./So. majors), UR
2015 Spring	AST 241, Stellar Astrophysics (for Jr./Sr. majors), UR
2014 Fall	AST 111, The Solar System and Its Origin (for Fr./So. majors), UR
2014 Spring	AST 142, Astrophysics II (for Sophomore majors), UR
2013 Fall	AST 111, The Solar System and Its Origin (for Fr./So. majors), UR
2013 Spring	AST 241, Stellar Astrophysics (for Jr./Sr. majors), UR
2012 Fall	AST 453, Stellar Structure & Atmospheres (graduate), UR
2011 Spring	AST 241, Stellar Astrophysics (for Jr./Sr. majors), UR
2010 Fall	AST 565, Formation of Stars & Planetary Systems (graduate), UR
2010 Spring	AST 142, Astrophysics II (for Sophomore majors), UR
2009 Fall	AST 111, The Solar System and Its Origin (for Fr./So. majors), UR
2009 Spring	AST 241, Stellar Astrophysics (for Jr./Sr. majors), UR

Students and Postdocs Advised (or co-Advised) for Research (Active - italics)

2025-	<i>Alison Duck</i> , ExEP Postdoctoral Research Associate (exoplanet stars, Roman Space Telescope)
2023-2024	<i>Ciarra Coston</i> , JPL Summer Student, Emory U. (TESS variability/HWO stars)
2022-2025	<i>Emily Gilbert</i> , ExEP Postdoctoral Research Associate (exoplanets, TESS, PRV)
2022-2024	<i>Catherine Clark</i> , ExEP Postdoctoral Research Associate (exoplanets, TESS, speckle)
2021	<i>Emma Nabbie</i> , JPL Summer Student, U. Florida (TESS star characterization)
2020	<i>Katherine Laliotis</i> , JPL Summer Student, Whitman College (radial velocities)
2019-2022	<i>Jennifer Burt</i> , ExEP Postdoctoral Research Associate (exoplanets, TESS, PRV)
2017-2019	<i>Trevor David</i> , ESI Postdoctoral Fellow (K2 young exoplanets)
2016	<i>Tyler Heintz</i> , REU student/Westminster (stellar rotation, ages)
2015-2016	<i>Alexis Klimasewski</i> , UR Class of 2018 (stellar activity)
2015	<i>Sara Denbo</i> , REU student/Michigan State (DECam image analysis)
2014-2019	<i>Sam Mellon</i> , REU student/Westminster, PhD student (disk eclipses)
2013-2015	<i>Cameron Bell</i> , postdoc (stellar ages)
2013-2015	<i>Manuel Olmedo</i> , PhD student INOAE (Kepler/GALEX UV stellar emission)
2013-2016	<i>Tanveer Karim</i> , UR Class of 2017, Goldwater Scholar (Galactic structure)
2013-2016	<i>Molly Finn</i> , UR Class of 2017, Goldwater Scholar (clustering analyses, binaries)
2013	<i>Jonathan Strumpf</i> , UR Class of 2015 (stellar modeling)
2013	Andrew Roberts, REU student/SUNY Geneseo (stellar kinematics)
2011-2016	<i>Erin Scott</i> , PhD student (circumstellar disk & eclipse modeling)
2013-2014	<i>Fan Wu</i> , UR Class of 2015 (stellar spectroscopy)
2012	<i>Melissa Butner</i> , REU student @ CTIO (stellar spectroscopy)
2011-2013	<i>Duy Nguyen</i> , postdoc (spectroscopy of young stars, abundances)
2010-2016	<i>Fred Moolekamp</i> , PhD student (eclipse modeling)
2010	<i>Matt Bourque</i> , REU student/Florida Tech (metallicity of Sco-Cen)
2010	<i>Dilyana Mihaylova</i> , UR Class of 2013 (spectral classification)
2009-2013	<i>Mark Pecaut</i> , PhD student (star formation history of Sco-Cen)
2009-2012	<i>Scott Barenfeld</i> , UR Class of 2012, Goldwater Scholar (chemokinematics)
2009-2011	<i>Eric Bubar</i> , postdoc (chemical abundances of nearby young stars)
2009-2010	<i>Julieta Gruszko</i> , UR Class of 2012 (REU; activity and ages of Sun-like stars)
2009-2010	<i>Alex Shvonski</i> , PhD student (<i>Spitzer</i> IR survey of debris disks in 32 Ori)
2008-2012	<i>Marek Slipski</i> , UR Class of 2011 (ages of exoplanet host stars)
2008	<i>Susana Acosta</i> , UR Class of 2012 (constraints on solar mass loss history)

Service & Committees (Institutional)

2025-	SHERA SMEx Mission Concept, Project Scientist
2024-	JPL/IPAC Palomar Advisory Committee (JPAC), chair
2023	Exoplanet Yield Modeling Tools Workshop , Scientific Organizing Committee
2022-2023	NExSS Assessment, ex officio (for NASA Astrophysics Div.)
2019-2020	NASA/NSF Extreme Precision Radial Velocity Working Group , ex officio
2019	PhD Defense Committee (advisor) for grad student Sam Mellon (UR)
2018-2022	JPL/IPAC Palomar Advisory Committee (JPAC)
2017	Exo-S Probe-Class Starshade Mission (Dedicated Mission) Delta/Update Study, Lead
2017-2019	Origins Space Telescope , STDT & Exoplanet WG, ex-officio
2017	Qualifying Exam Committee for grad student Sam Mellon (UR)
2016	PhD Defense Committee (advisor) for grad student Fred Moolekamp (UR)
2016	PhD Defense Committee (advisor) for grad student Erin Scott (UR)
2015-2016	UR Physics & Astronomy Executive Committee
2014-2016	Chair, UR Physics & Astronomy Graduate Admissions Committee (GAC)
2014-2016	UR Physics & Astronomy Steering Committee
2013-2016	UR Physics & Astronomy Strategic Planning Committee
2012-2016	UR Physics & Astronomy Undergraduate Astronomy Advisor
2011-2016	New York Astronomical Corp. (NYAC), Institutional Representative
2010-2016	UR Physics & Astronomy Undergraduate Physics Awards Comm. (UAC)
2010-2016	UR Physics & Astronomy Undergraduate Curriculum Committee (UCC)
2015-2016	PhD Defense Committee for grad student Gabrielle Tepp (UR)
2015	Qualifying Exam Committee for grad student Erica Fogerty (UR)
2015	Chair, Qualifying Exam Committee for grad student Eva Bodman (UR)
2015	UR Ad Hoc Tenure Committee
2014	Qualifying Exam Comm. (advisor) for grad student Fred Moolekamp (UR)
2014	Qualifying Exam Comm. (advisor) for grad student Erin Scott (UR)
2014	Chair, Qualifying Exam Committee for grad student Michelle Gregor (UR)
2014	PhD Defense Committee for grad student Shule Li (UR)
2013	PhD Defense Committee (advisor) for grad student Mark Pecaut (UR)
2013	PhD Defense Committee for grad student Kyoung Hee Kim (UR)
2013	Qualifying Exam Committee for grad student Greg Howland (UR)
2013	Qualifying Exam Committee for grad student Erin Scott (UR)
2012	Chair, Qualifying Exam Committee for grad student Alex Moore (UR)
2012	Qualifying Exam Committee for grad student Shule Li (UR)
2012	Blanco f/8 Secondary Mirror Recovery Effort , Manager, CTIO
2012	SOAR 4.1-m Telescope Science Advisory Committee (SAC), CTIO

Service & Committees (Institutional)

2011-2012	Blanco 4-m Telescope Scientist, CTIO
2011-2012	Hydra Multi-object Spectrograph, Deputy Support Scientist, CTIO
2011-2012	Website Committee, CTIO
2011	REU/PIA Summer Student Selection Committee, CTIO
2011	Astronomical Society of New York, Spring 2011 Meeting, UR, Local Organizing Committee, Co-chair (w/ D. Watson)
2011	UR Physics & Astronomy Colloquium Chair
2011	Qualifying Exam Committee for grad student Mark Pecaut
2010	UR Physics & Astronomy Colloquium Co-chair (w/ J. Eberly)
2010	Qualifying Exam Committee for grad student Kiwan Park
2010	Qualifying Exam Committee for grad student Justin Comparetta
2009-2011	UR Physics & Astronomy Undergraduate Astronomy Advisor
2009-2011	UR Representative to New York Astronomical Corporation (NYAC)
2009-2010	UR Astronomy Group Seminar Chair
2009	PhD Defense Committee for grad student Joel Green
2009	Qualifying Exam Committee for grad student Kyoung Hee Kim
2008-2009	UR Astronomy Group Seminar Co-chair

Service & Committees (External, active in *italics*)

2024-	Know Thy Star, Know Thy Planet 2 , Scientific Organizing Committee
2024-	Target Stars & Systems Working Group , Habitable Worlds Observatory START , co-chair
2024-	Living Worlds WG , Steering Comm. , Habitable Worlds Observatory START , co-chair
2023-	Habitable Worlds Observatory START Team , member (ex-officio)
2023	PhD Defense Committee for grad student H.-S. Hubbard-James (GSU), external member
2022	IAU NameExoWorlds 2022 , Steering Committee , co-chair
2022-2024	IAU Division C WG Star Names , Secretary
2022	2022 Sagan Exoplanet Summer Workshop: Exoplanet Science in the Gaia Era , SOC
2020	TESS Cycle 3 GO Panel, Chair
2020	Exoplanet Demographics , SOC
2019-	NASA Exoplanet Archive User Panel , ex officio
2019-2020	IAU100 NameExoWorlds , Steering Committee , co-chair
2019-2022	IAU Commision F2 Exoplanets and the Solar System , Organizing Committee
2016-2022	IAU Division C WG Star Names , Chair
2016	PhD Defense Committee for Elizabeth Newton (Harvard), external member
2016	Qualifying Exam Committee for grad student Jesica Trucks (U. Toledo)
2015	IAU Exec. Comm. Working Group on Public Naming of Planets and Planetary Satellites
2011-2016	New York Astronomical Corporation, Board of Directors
2001-	<i>Journal Referee: Astrophysical Journal, Astronomical Journal, Astronomy & Astrophysics, Monthly Notices Royal Astronomical Society</i>
2015	IAU Working Group on Nominal Units for Stellar & Planetary Astronomy , Chair
2015	Canary Islands Int'l Time Programme Time Allocation Comm., external reviewer
2014	NSF Review Panel
2013	PhD Defense Committee for Dave Principe (RIT), external member
2013	PhD Defense Committee for Zach Berta (Harvard), external member
2013	CTIO Fellowship Selection Committee, external member
2012-2013	NOAO Time Allocation Committee
2012	Canadian Time Allocation Committee, external reviewer
2012	New Quests in Stellar Astrophysics III, session chair
2012	219th AAS meeting , Cool Dwarfs & Brown Dwarfs session , session chair
2011	PhD Thesis Examiner for Simon Murphy (Australian Nat'l Univ.)
2011	NASA Astrophysics Data Analysis Program (ADAP), reviewer
2010	215th AAS meeting Chambliss Astronomy Student Award, judge
2010	Spitzer Space Telescope Cycle-7, Time Allocation Committee, reviewer
2008-2009	258th IAU Symposium (The Ages of Stars) , proceedings lead editor
2008	Gemini Telescope Time Allocation Committee, external reviewer
2008	Hubble Space Telescope Cycle-17, Time Allocation Committee, reviewer
2007-2011	NASA Star and Exoplanet Database (NStED) , user panel
2007	Spitzer Space Telescope Cycle-4, Time Allocation Committee, reviewer
2006	"Ages of Stars" Splinter Session, Cool Stars 14 meeting , convener
2006-2007	NASA Origins of Solar Systems, external reviewer
2005-2006	Star & Planet Formation Journal Club (CfA), organizer
2003	Graduate Admissions Committee, Astronomy Dept., U. Arizona
2002-2003	MIRAC (Mid-Infrared Array Camera) team, observer support at Las Campanas

Invited Talks; Colloquia, Seminars, Conferences, Workshops (since 2016)

- 3/2025 ASU/SESE Colloquium - Tempe, AZ
The Nearest Sun-like Stars as Targets for Imaging Exo-Earths with Habitable Worlds Observatory
- 1/2025 ExoPAG 31 at AAS245 - Washington, DC
HWO Working Group Update: Target Stars
- 5/2024 ExoPAG 30 at AbSciCon - Providence, RI
ExEP Science Plan and Update
- 5/2024 START/TAG Exoplanet Yields Working Group (virtual)
Target Stars for Habitable Worlds Observatory
- 11/2024 The Artificial Sky - Jena, Germany (virtual)
[*A Brief History of the IAU Working Group on Star Names \(WGSN\)*](#)
- 10/2023 Sociedad Mexicana de Astrobiología (virtual) -
[*The Search for Exo-Earths with the Habitable Worlds Observatory*](#)
- 10/2023 XLVI Reunião Anual da Sociedade Astronômica Brasileira - Rio de Janeiro -
The Search for Exo-Earths with the Habitable Worlds Observatory
- 1/2023 ExoPAG 27 at AAS241 - Seattle, WA
ExEP Science Update
- 6/2022 ExoPAG 26 at AAS240 - Pasadena, CA
ExEP Science Plan and Update
- 3/2022 Tinsley Visiting Scholars Program - U. Texas at Austin - Austin, TX -
Pathways to 'a Robust Sample of 25 Atmospheric Spectra of Potentially Habitable Exoplanets'
- 2/2022 UC Riverside Astrobiology Seminar Series - Riverside, CA -
Pathways to 'a Robust Sample of 25 Atmospheric Spectra of Potentially Habitable Exoplanets'
- 3/2021 University of Rochester - Center for Matter at Atomic Pressures Seminar Series (virtual) -
The NASA Exoplanet Exploration Program
- 10/2020 University of Alabama - Dept. of Physics & Astronomy Colloquium (virtual) -
Update on NASA's Exoplanet Exploration Program (ExEP) and Science
- 3/2019 Kepler & K2 SciCon V - Glendale, CA -
Small (In)temperate Planets: A Closer Look at Habitable Zone Terrestrial-sized Planet Candidates
- 3/2019 Extreme Precision in Radial Velocity IV - Grindelwald, Switzerland -
NASA Exoplanet Exploration Program and Precision Radial Velocity
- 12/2018 UC San Diego Center for Astrophysics and Space Sciences - San Diego, CA -
Update on NASA Exoplanet Exploration Program (ExEP) and Science
- 7/2018 [*Sagan Workshop - Pasadena, CA - Ages and Stellar Properties*](#)
- 1/2018 K2 & TESS Splinter Meeting at 231st AAS - Nat'l Harbor, MD -
The Kepler/K2 Revolution and Prospects for TESS
- 1/2018 ExoPAG 17 - Nat'l Harbor, MD - *ExEP Science Plan*
- 6/2017 Kepler & K2 Science Conference IV - NASA Ames -
Kepler/K2 in the Context of Future Exoplanet Missions
- 8/2017 Extreme Precision Radial Velocity III - State College, PA -
Precision Radial Velocities and the NASA Exoplanet Exploration Program
- 3/2017 UCLA ESS IPLEX seminar - Los Angeles - *A Transiting Extrasolar Ring System*
- 1/2017 Pasadena City College - Von Karman Lecture - *Exoplanets: The Quest for Strange New Worlds*
- 1/2017 [*JPL Von Karman Lecture - Exoplanets: The Quest for Strange New Worlds*](#)
- 10/2016 ExoSoCal - Caltech - Pasadena CA - *NASA Exoplanet Exploration Program*
- 4/2016 IAS - Princeton - *A Transiting Extrasolar Ring System*
- 1/2016 Cornell - Ithaca CA - *A Transiting Extrasolar Ring System*

Invited Talks; Colloquia, Seminars, Conferences, Workshops (2008-2015)

- 12/2015 Universidad Diego Portales - Santiago, Chile - *A Transiting Extrasolar Ring System*
- 10/2015 NASA JPL - Pasadena CA - *A Transiting Extrasolar Ring System*
- 10/2015 NASA Ames/SOFIA - Mountain View CA - *A Transiting Extrasolar Ring System*
- 8/2015 IAU Division F - Honolulu - *A Transiting Extrasolar Ring System*
- 5/2015 IAU Symposium 314 - Atlanta - *Pre-Gaia Census of Nearby Young Stellar Groups*
- 4/2015 Carnegie Observatories - Pasadena - *A Transiting Extrasolar Ring System*
- 7/2014 INAOE - Puebla, Mex. - *Stellar Ages*
- 7/2014 INAOE - Puebla, Mex. - *The Giant Ring System Seen in Eclipse Around J1407b*
- 1/2014 Univ. of Texas-Austin, Astronomy Colloquium - Austin, TX
The Unusual Eclipser of the Young Star J1407: Moon-Forming Circumplanetary Disk?
- 9/2013 University of Rochester, Physics & Astro. Dept. Colloquium - Rochester, NY
Ages of Stars
- 3/2013 Penn State, Astro. Dept. Colloquium - State College, PA
Surprises in the Nearest OB Association
- 2/2013 UNC Chapel Hill, Physics & Astro. Dept. Colloquium, Chapel Hill, NC
Surprises in the Nearest OB Association
- 5/2012 Pontificia Universidad Católica de Chile, Astro. Dept. colloquium - Santiago, Chile (2)
Discovery of a Transiting Extrasolar Ring System
Update on the Blanco 4-m Telescope at CTIO
- 3/2012 New Quests in Stellar Astrophysics III - Puerto Vallarta, Mexico
Ages of the Host Stars of Circumstellar Disks and Exoplanets
- 3/2012 CTIO Oversight Committee talk - La Serena, Chile
Discovery of a Transiting Extrasolar Ring System
- 6/2011 CTIO/Gemini colloquium - La Serena, Chile
The Nearest Youngest Stars: Planet Formation Theatre
- 2/2011 Université de Montréal - Département de Physique - astrophysics colloquium - Montreal
What Can Nearby Young Stars Tell Us About Star and Planet Formation?
- 10/2010 In the Spirit of Lyot 2010 - Paris - *Ages of Host Stars with Substellar Companions*
- 8/2010 Cool Stars 16 - Juvenile Ultracool Dwarfs Splinter Session - Seattle, WA
The Nearby Young Stellar Groups: Demographics and Considerations for Assigning Memberships
- 1/2010 Pontificia Universidad Católica de Chile, Astro. Dept. colloquium - Santiago, Chile
- 9/2009 Stony Brook University Astronomy seminar - Stony Brook, NY
- 3/2009 Penn State University Astronomy colloquium - State College, PA
What Can Nearby Young Stars Tell Us About Star and Planet Formation?
- 3/2009 2nd Subaru International Conference, Exoplanets and Disks:
Their Formation and Diversity - invited review - Keauhou, HI
Structure and Evolution of Circumstellar Disks Around Young Stars
- 10/2008 IAU Symposium 258 invited talk - Baltimore, MD
The Evolution of Activity Among Solar-Type Stars
- 3/2008 Northern Arizona University Phys. & Astro. Dept. colloquium - Flagstaff, AZ
- 2/2008 Georgia State University Phys. & Astro. Dept. colloquium - Atlanta, GA
- 2/2008 Wesleyan University Astronomy Dept. colloquium - Middletown, CT
- 2/2008 Gemini South colloquium - La Serena, Chile
- 1/2008 Space Telescope Science Institute colloquium - Baltimore, MD

Additional Talks (since 2011)

- 9/2025 [NASA Small Steps Giant Leaps Podcast](#) (virtual)
Episode 162: 6,000 Exoplanets and Counting
- 8/2025 Skies the Limit Observatory - Twenty-nine Palms, CA
How Planets Like Earth Might There Be?
- 5/2025 [NASA Night Sky Network Webinar Series](#) (virtual)
Placing Worlds and Suns in Context
- 4/2024 Zewali City (virtual)
The Search for Exo-Earths with the Habitable Worlds Observatory
- 1/2024 Thacher School - Ojai, CA
The Search for Exo-Earths with the Habitable Worlds Observatory
- 8/2017 [Astronomy on Tap - State College, PA](#)
[Exoplanets and the NASA Exoplanet Exploration Program](#)
- 6/2017 San Jose Astronomy - San Jose, CA (Houge Park; w/J. Dotson)
Strange New Worlds: Exploring Exoplanets with NASA's Kepler/K2 Mission and Beyond
- 4/2017 AbSciCon 2017 - Tempe, AZ - NASA Exoplanet Exploration Program Update
- 4/2016 Rochester Academy of Science - Rochester, NY - *A Tour of Our Galactic Neighborhood*
- 6/2015 University of Rochester, seminar for REU summer research students
Some Recent Astronomical Discoveries
- 5/2015 Astro. Sec. of the Rochester Acad. of Sci. - RIT
Some Recent Astronomical Discoveries
- 3/2015 Webster Thomas H.S., Earth Science Enrichment classes, Webster, NY
- 3/2015 Dr. Walter Cooper Academy, 1st grade class, Rochester City Schools
- 10/2014 American Chemical Society banquet, *Ages of Stars*
- 6/2014 University of Rochester, seminar for REU summer research students
Formation and Evolution of Stars and Planetary Systems
- 10/2013 Astronomical Society of New York, Union College
The Unusual Eclipses of the Young Star J1407
- 6/2013 University of Rochester, seminar for REU summer research students
- 4/2013 University of Rochester, seminar for grad students
- 11/2012 University of Rochester, astronomy club seminar, *Exoplanets*
- 6/2011 University of Rochester, seminar for REU summer research students
Formation and Evolution of Stars and Planets
- 4/2011 University of Rochester, invited seminar for 1st year grad students
- 3/2011 University of Rochester, Pi Day, invited talk - *Pi in Astronomy*
- 2/2011 University of Rochester, invited seminar for visiting prosp. grad. students
Formation and Evolution of Stars and Planetary Systems

Bibliography of Publications

71	Hirsch <i>h</i>-index (i.e., 71 publications with ≥ 71 citations)
230	Refereed publications (21 1st-author, 209 <i>n</i> th-author)
3901	Citations to 1st author papers
15361	Citations to <i>n</i> th -author publications
19262	Total citations

Last updated 21 November 2025. The listed citation counts are from [Astrophysics Data System \(ADS\)](#). The names of advisees (e.g. undergrads, PhD students, postdocs, etc.) are underlined.

Book (Edited)

The Ages of Stars, Proceedings of International Astronomical Union Symposium No. 258
edited by **E. E. Mamajek**, D. R. Soderblom, & R. F. G. Wyse. Cambridge, UK: [Cambridge University Press](#), 2009 (490 pgs.; ISBN-13 978-0521889896) ([Amazon](#))

First-Author Refereed Publications

- A21. [SDSS J100711.74+193056.2: A Candidate Common Motion Substellar Companion to the Nearest B-Type Star Regulus](#)
Mamajek, E. E. & Burgasser, A. J., 2025, *Astronomical Journal*, 169, 77, [arXiv:2412.04599](#)
- A20. [Public Naming of Exoplanets and Their Stars: Implementation and Outcomes of the IAU100 NameExoWorlds Global Project](#)
Mamajek, E., Meloy Elmegreen, D., Lecavelier des Etangs, A., Lindberg Christensen, L., Monfardini Penteado, E., Yamaoka, H., Williams, G., Anglada-Escudé, G., 2020, *Communicating Astronomy with the Public Journal*, 28, 22 (1 citation)
- A19. [Gamma Cassiopeiae and HR 266: A Massive Septuplet Illuminating the IC 59 and IC 63 Nebulae at \$d = 168\$ pc](#)
Mamajek, E. E., 2017, *Journal of Double Star Observations*, 13, 264-267 (4 citations)
- A18. [The Closest Known Flyby of a Star to the Solar System](#)
Mamajek, E. E., Barenfeld, S. A., Ivanov, V. D., Kniazev, A. Y., Väisän, P., Beletsky, Y. & Boffin, H. M. J., 2015, *Astrophysical Journal Letters*, 800, L17 (56 citations)
[UR Press Release](#), [BBC](#), [Space.com](#), [Scientific American](#), [NBC](#), [CBC Radio](#), [Discovery News](#)
- A17. [On the Age of the \$\beta\$ Pictoris Moving Group](#)
Mamajek, E. E. & Bell, C. P. M. 2014, *MNRAS*, 445, 2169 (299 citations)
- A16. [The Solar Neighborhood. XXX. Fomalhaut C](#)
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- A15. [*On the Age and Binarity of Fomalhaut*](#)
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- A14. [*Planetary Construction Zones in Occultation: Eclipses by Circumsecondary and Circumplanetary Disks and a Candidate Eclipse of a Pre-main Sequence Star in Sco-Cen*](#)
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- A13. [*On the Nature of the Common Proper Motion Companions to the Exoplanet Host Star 51 Peg*](#)
Mamajek, E. E., 2010, AN, 331, 704 (1 citation)
- A12. [*Discovery of a Faint Companion to Alcor Using MMT/AO 5 \$\mu\$ m Imaging*](#)
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- A11. [*Improved Age Estimation for Solar-Type Dwarfs Using Activity-Rotation Diagnostics*](#)
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- A10. [*On the Distance to the Ophiuchus Star-Forming Region*](#)
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- A9. [*An Improbable Solution to the Underluminosity of 2M1207B: A Hot Protoplanet Collision Afterglow*](#)
Mamajek, E. E. & Meyer, M. R., 2007, ApJ, 668, L175 (35 citations)
- A8. [*A New Nearby Candidate Star Cluster in Ophiuchus at \$d = 170\$ pc*](#)
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- A7. [*Erratum: "Post-T Tauri Stars in the Nearest OB Association" \(AJ, 124, 1670 \[2002\]\)*](#)
Mamajek, E. E., Meyer, M. R., & Liebert, J. L. 2006, AJ, 131, 2360 (19 citations)
- A6. [*A Moving Cluster Distance to the Exoplanet 2M1207B in the TW Hya Association*](#)
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- A5. [*Constraining the Lifetime of Circumstellar Disks in the Terrestrial Planet Zone: A Mid-Infrared Survey of the 30 Myr-old Tucana-Horologium Association*](#)
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- A4. [*Post-T Tauri Stars in the Nearest OB Association*](#)
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- A3. [*The \$\eta\$ Chamaeleontis Cluster: Origin in the Sco-Cen OB Association*](#)
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- A2. *A Radio Survey of Older T Tauri Stars in the η Chamaeleontis Cluster*
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- A1. *The η Chamaeleontis Cluster: A Remarkable New Nearby Young Open Cluster*
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- B209. *Are We There Yet? Challenges in Quantifying the Frequency of Earth Analogs in the Habitable Zone*
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- B208. *CoronaGraph Instrument Reference stars for Exoplanets (CorGI-REx) I. Preliminary Vetting and Implications for the Roman Coronagraph and Habitable Worlds Observatory*
 Hom, J., Wolff, S.G., Clark, C.A., Ciardi, D.R., Deveny, S.J., Howell, S.B., Greenbaum, A.Z., Littlefield, C., Anche, R.M., Bailey, V.P., Brandner, W., Chauvin, G., Girard, J.H., Kern, B., **Mamajek, E.**, Mennesson, B., Savransky, D., Stapelfeldt, K.R., Biller, B.A., Brinjikji, M., Kuzuhara, M., Millar-Blanchaer, M.A., Mizuki, T., Schragal, N.T., Vega-Pallauta, M.C., Wang, J.J., De Rosa, R.J., Douglas, E.S., Macintosh, B., Zhang, J., the Roman Coronagraph Community Participation Program, 2025, AJ, in press ([arXiv:2511.08862](https://arxiv.org/abs/2511.08862))
- B207. *HWO Target Stars and Systems: A Survey of Archival UV and X-Ray Data*
 Peacock, S., Wilson, D.J., Richey-Yowell, T., Tuchow, N.W., France, K., Caballero, J.A., Spinelli, R., Corrales, L., Zelakiewicz, A.S., Redfield, S., Rockcliffe, K., Youngblood, A., Froning, C.S., Duvvuri, G.M., Binder, B.A., Hinkel, N.R., **Mamajek, E.E.**, 2025, AJ, 170, Issue 5, 293 ([arXiv:2509.08999](https://arxiv.org/abs/2509.08999))
- B206. *HWO Target Stars and Systems: A Prioritized Community List of Potential Stellar Targets for the Habitable Worlds Observatory's ExoEarth Survey*
 Tuchow, N.W., Harada, C.K., **Mamajek, E.E.**, Tanner, A., Hinkel, N.R., Belikov, R., Sirbu, D., Ciardi, D.R., Stark, C.C., Morgan, R.M., Savransky, D., Turmon, M., 2025 ([arXiv:2509.20544](https://arxiv.org/abs/2509.20544))
- B205. *Wide Separation Planets In Time (WISPIT): A Gap-clearing Planet in a Multi-ringed Disk around the Young Solar-type Star WISPIT 2*
 van Capelleveen, R.F., Ginski, C., Kenworthy, M.A., Byrne, J., Lawlor, C., McLachlan, D., **Mamajek, E.E.**, Stolker, T., Benisty, M., Bohn, A.J., Close, L.M., Dominik, C., Haffert, S., Landman, R., Ma, J., Snellen, I., Tazaki, R., van der Marel, N., Welzel, L., Zhang, Y., 2025, ApJ Letters, 990, L8 ([arXiv:2508.19053](https://arxiv.org/abs/2508.19053)) (space.com, [Astronomy magazine](https://www.astronomy.com), [USA Today](https://www.usatoday.com))

- B204. *Wide Separation Planets In Time (WISPIT): Two directly imaged exoplanets around the Sun-like stellar binary WISPIT 1*
van Capelleveen, R.F., Kenworthy, M.A., Ginski, C., **Mamajek, E.E.**, Bohn, A.J., Landman, R., Stolker, T., Zhang, Y., van der Marel, N., Snellen, I., 2025, A&A, in press ([arXiv:2508.18456](#))
- B203. *YSES 2b is a background star: Differential astrometric M-dwarf measurements in time*
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- B202. *Giant Outer Transiting Exoplanet Mass (GOT 'EM) Survey. VI. Confirmation of a Long-period Giant Planet Discovered with a Single TESS Transit*
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- B201. *Disk Evolution Study Through Imaging of Nearby Young Stars (DESTINYs): Evidence of planet–disk interaction in the 2MASSJ16120668-3010270 system*
Ginski, C., Pinilla, P., Benisty, M., Pinte, C., Claes, R., **Mamajek, E.**, Kenworthy, M., Murphy, M., Manara, C., Bae, J., Birnstiel, T., Byrne, J., Dominik, C., Facchini, S., Garufi, A., Gratton, R., Hogerheijde, M., van Holstein, R., Huang, J., Langlois, M., Lawlor, C., Ma, J., McLachlan, D., Menard, F., Rigliaco, R., Ribas, A., Schmidt, T., Sierra, A., Tazaki, R., Williams, J., Zurlo, A., 2025, A&A, 699, A237 ([arXiv:2506.05892](#))
- B200. *A planetary-mass candidate imaged in the Young Suns Exoplanet Survey*
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- B199. *GALEX UV survey of magnetic chemically peculiar stars in the Kepler prime field*
Bertone, E., Hümmerich, S., Chávez, M., Paunzen, E., Bernhard, K., Olmedo, D., Olmedo, M., **Mamajek, E.E.**, Portilla-Narvaez, O.M., Lara Sabala, J., Silva Castro, A., 2025, MNRAS, 538, Issue 4, pp. 3247-3262 ([arXiv:2504.03075](#))

- B198. *The IAU Working Group on Star Names (WGSN): a review of recent activities*
Hoffmann, S.M., Vickers, D., **Mamajek, E.**, Adams, D., AlAjaji, K., Belmote Avilés, J. A., Szeleung, C., Cunnama, D., Determann, J.M., García, B., Gullberg, S., Hamacher, D., Laffitte, R., López, A.M., Mejuto, J., Montmerle, T., Ridpath, I., Ruggles, C., Shi, Y., Shylaja, B.S., Sun, X., Yamaoka, H., Yang, B., 2025, *Journal of Astronomical History and Heritage* (ISSN 1440-2807), Vol. 28, No. 1, p. 280-286 ([JHAA article](#))
- B197. *Signatures of Atmospheric Mass Loss and Planet Migration in the Time Evolution of Short-period Transiting Exoplanets*
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- B196. *Extending the ALMA Census of Circumstellar Disks in the Upper Scorpius OB Association*
Carpenter, J. M., Esplin, T. L., Luhman, K. L., **Mamajek, E. E.**, & Andrews, S. M., 2025, *ApJ*, 978, 117 ([arXiv:2410.21598](#))
- B195. *Surviving in the Hot-Neptune Desert: The Discovery of the Ultrahot Neptune TOI-3261b*
Nabbie, E., Huang, C. X., Burt, J. A., Armstrong, D. J., **Mamajek, E. E.**, Adibekyan, V., Sousa, S. G., Lopez, E. D., Thorngren, D., Fernández Fernández, J., Li, G., Jenkins, J. S., Vines, J. I., Gomes da Silva, J., Wittenmyer, R. A., Bayliss, D., Briceño, C., Collins, K. A., Dumusque, X., Horne, K., Keniger, M. A. F., Law, N., Lillo-Box, J., Liu, S.-F., Mann, A. W., Nielsen, L. D., Osborn, A., Relles, H. M., Rodrigues, J. J., Serrano Bell, J., Srdoc, G., Stockdale, C., Strøm, P. A., Watkins, C. N., Wheatley, P. J., Wright, D. J., Zhou, G., Ziegler, C., Ricker, G., Seager, S., Vanderspek, R., Winn, J. N., Jenkins, J. M., Fausnaugh, M., Kunimoto, M., Osborn, H. P., Quinn, S. N. & Wohler, B., 2024, *AJ*, 168, 132 ([arXiv:2407.04225](#)) (3 citations)
- B194. *TOI-1685 b Is a Hot Rocky Super-Earth: Updates to the Stellar and Planet Parameters of a Popular JWST Cycle 2 Target*
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- B193. *Disk Evolution Study Through Imaging of Nearby Young Stars (DESTINYs): PDS 111, an old T Tauri star with a young-looking disk*
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- B192. *Are These Planets or Brown Dwarfs? Broadly Solar Compositions from High-resolution Atmospheric Retrievals of $\sim 10\text{--}30 M_{\text{Jup}}$ Companions*
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- B191. *The β Pictoris b Hill sphere transit campaign. II. Searching for the signatures of the β Pictoris exoplanets through time delay analysis of the δ Scuti pulsations*
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- B190. *The Initial Mass Function Based on the Full-sky 20 pc Census of ~ 3600 Stars and Brown Dwarfs*
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- B189. *HPIC: The Habitable Worlds Observatory Preliminary Input Catalog*
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- B188. *Author Correction: A Planetary Collision Afterglow and Transit of the Resultant Debris Cloud*
 Kenworthy, M., Lock, S., Kennedy, G., van Capelleveen, R., **Mamajek, E.**, Carone, L., Hambsch, F.-J., Masiero, J., Mainzer, A., Kirkpatrick, J. D., Gomez, E., Leinhardt, Z., Dou, J., Tanna, P., Sainio, A., Barker, H., Charbonnel, S., Garde, O., Le Dû, P., Mulato, L., Petit, T., Rizzo Smith, M., 2024, Nature, Volume 625, 7993, E1
- B187. *A Planetary Collision Afterglow and Transit of the Resultant Debris Cloud*
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- B186. *Using Photometrically Derived Properties of Young Stars to Refine TESS's Transiting Young Planet Survey Completeness*
 Fernandes, R. B., Hardegree-Ullman, K. K., Pascucci, I., Bergsten, G. J., Mulders, G. D., Cunha, K., **Mamajek, E. E.**, Pearson, K. A., Feiden, G. A., Curtis, J. L., 2023, AJ, 166, 175 ([arXiv:2308.13039](#)) (3 citations)

- B185. *Multiples Among B Stars in the Scorpius-Centaurus Association*
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- B184. *An Imaged 15 MJup Companion Within a Hierarchical Quadruple System*
 Chomez, A., Squicciarini, V., Lagrange, A.-M., Delorme, P., Viswanath, G., Janson, M., Flasseur, O., Chauvin, G., Langlois, M., Rubini, P., Bergeon, S., Albert, D., Bonnefoy, M., Desidera, S., Engler, N., Gratton, R., Henning, T., **Mamajek, E. E.**, Marleau, G.-D., Meyer, M.R., Reffert, S., Ringqvist, S. C., Samland, M., 2023, A&A, 676, L10 ([arXiv:2307.01195](#)) (3 citations)
- B183. *BEAST Detection of a Brown Dwarf and a Low-mass Stellar Companion Around the Young Bright B star HIP 81208*
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- B182. *Doppler Constraints on Planetary Companions to Nearby Sun-like Stars: An Archival Radial Velocity Survey of Southern Targets for Proposed NASA Direct Imaging Missions*
 Laliotis, K., Burt, J. A., **Mamajek, E. E.**, Li, X., Perdelwitz, V., Zhao, J., Butler, R. P., Holden, B., Rosenthal, L., Fulton, B. J., Feng, F., Kane, S. R., Bailey, J., Carter, B., Crane, J. D., Furlan, E., Gnilka, C. L., Howell, S. B., Laughlin, G., Shectman, S. A., Teske, J. K., Tinney, C. G., Vogt, S. S., Wang, S. X., Wittenmyer, R. A., 2023, AJ, 165, 176 ([arXiv:2302.10310](#)) (6 citations)
- B181. *Simulations for Planning Next-generation Exoplanet Radial Velocity Surveys*
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- B180. *Disk Evolution Study Through Imaging of Nearby Young Stars (DESTINYs): Characterization of the Young Star T CrA and its Circumstellar Environment*
 Rigliaco, E., Gratton, R., Ceppi, S., Ginski, C., Hogerheijde, M., Benisty, M., Birnstiel, T., Dima, M., Facchini, S., Garufi, A., Bae, J., Langlois, M., Lodato, G., **Mamajek, E.**, Manara, C. F., Ménard, F., Ribas, A., Zurlo, A., 2023, A&A, 671, A82 ([arXiv:2301.01486](#)) (4 citations)
- B179. *A Second Earth-sized Planet in the Habitable Zone of the M Dwarf, TOI-700*
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- B178. *TOI-1075 b: A Dense, Massive, Ultra-short-period Hot Super-Earth Straddling the Radius Gap*
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- B177. *Launch of NameExoWorlds 2022 Competition*
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First-Author Non-Refereed Publications

- C29. [*WISE J064336.71-022315.4: A Thick-disk L8 Brown Dwarf Discovered by Gaia DR2 at 13.9 pc*](#)
Mamajek, E. E., Marocco, F., Rees, J. M., Smart, R. L., Cooper, W. J., & Burgasser, A. J. 2018, RNAAS, 2, 205 ([arXiv:1811.03477](#)) (17 citations)
- C28. [*Kinematics of the Interstellar Vagabond 1I/Oumuamua \(A/2017 U1\)*](#)
Mamajek, E. E., 2017, RNAAS, 1, 21 ([arXiv:1710.11364](#)) (33 citations)
- C27. [*ANTARES Neutrino Detection: Kinematic Evidence that the Swift/XRT X-ray Counterpart is a Likely Upper Sco Member*](#)
Mamajek, E. E., 2015, The Astronomer's Telegram, #8124

- C26. *A Pre-Gaia Census of Nearby Stellar Groups*
Mamajek, E. E., 2015, IAU Symposium 314, eds. J. H. Kastner, B. Stelzer, & S. A. Metchev (2 citations)
- C25. *Proposed Nomenclature for Surface Features on Pluto and Its Satellites and Names for Newly Discovered Satellites*
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- C24. *Logarithm of Effective Temperature Versus Radius for Zero-Age Main Sequence Stars (0.1-2.0 Msun)*
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