

## Stephen E. Zepf

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### PROFESSIONAL HISTORY

|                |                                                                                            |
|----------------|--------------------------------------------------------------------------------------------|
| 2018 – present | Chair, Department of Physics and Astronomy<br>Michigan State University                    |
| 2009 – present | Board of Directors, SOAR Telescope,<br>President 2013 - 2015, 2021 - 2023                  |
| 2009 – 2018    | Associate Chair for Astronomy, Dept. of Physics and Astronomy<br>Michigan State University |
| 2004 – 2009    | co-Director, Center for the Study of Cosmic Evolution<br>Michigan State University         |
| 1999 – 2001    | Director of Graduate Studies, Department of Astronomy<br>Yale University                   |

### ACADEMIC POSITIONS

|                |                                                                                       |
|----------------|---------------------------------------------------------------------------------------|
| 2004 – present | Professor, Department of Physics and Astronomy<br>Michigan State University           |
| 2001 – 2004    | Associate Professor, Department of Physics and Astronomy<br>Michigan State University |
| 1997 – 2001    | Assistant Professor, Department of Astronomy,<br>Yale University                      |
| 1993 – 1997    | Hubble Fellow & Assistant Research Scientist,<br>University of California, Berkeley   |
| 1991 – 1993    | Postdoctoral Fellow, University of Durham                                             |

### EDUCATION

|                |                          |
|----------------|--------------------------|
| Ph.D., Physics | Johns Hopkins University |
| M.A., Physics  | Johns Hopkins University |
| B.S., Physics  | University of Notre Dame |

### AWARDS & FELLOWSHIPS

- Fellow, American Astronomical Society
- Michigan State University Distinguished Faculty Award
- MSU College of Natural Science Faculty Mentoring Award
- MSU Dept. of Physics and Astronomy Osgood Teaching Award
- Hellman Family Fellowship
- Hubble Fellowship

## **Summary of accomplishments**

### **Leadership**

- Executive success at scale as chair of the Department of Physics and Astronomy. In this role, I have led one of the largest and most successful departments at MSU with 62 tenure stream faculty, 21 additional jointly appointed faculty, 7 fixed-term faculty, 215 graduate students, 340 undergraduate majors, and close to 40,000 student credit hours. During my time as chair, the department has been consistently highly ranked both compared to AAU peers and in national and international ranking schemes.
- Elevated fundraising. Doubled the endowment held in the department to a total of more than \$20M. Both the increase over time as chair and the total are by far the largest in the College of Natural Science.
- Facilitated faculty research success. Increased federal grant funding and IDC over every time period measured during tenure as department chair and by over 50% total. Worked with colleagues to launch MSU's Quantum Initiative. Helped guide our first two Moore Foundation Physics Experimental Investigator Awardees, along with other awards including mentoring MSU's only Packard Fellow.
- Strategic vision. Developed department strategic plan at start of tenure as chair and have now completed all of its major goals.
- Managed complex international collaborations. I have served for more than a decade on the Board of Directors of the SOAR Telescope Consortium including two terms as President of the Board. SOAR is a collaboration of two universities – MSU and UNC, and the national science foundations of the USA and Brazil to run a state of the art telescope in Chile. Our international collaboration has done so successfully, managing key renewals in 2020 and 2025 of complex international agreements while continuing to increase the high-level science impact of the facility.
- Advanced the teaching mission of the department. Led department in winning American Physical Society's national Advancing Physics Education Award in 2022.
- National impact through leadership of biennial American Astronomical Society department chair meetings, and Midwest physics chairs meeting. Also through review committees of departments across the country,

### **Research**

- 127 refereed journal publications
- Google Scholar: 10851 citations, 24 papers > 100 citations, h-index 53, [link to Google Scholar site](#)
- Continuous federal funding for twenty-five years, since starting as an assistant professor
- Funding has included NSF AAG, NASA ADAP, Hubble GO and AR, and Chandra GO and AR. Total amount over \$4M.

### **Teaching and Mentoring**

- Taught every academic year from start as assistant professor through first year as dept. chair.
- Won Osgood Teaching Award for teaching excellence in 2016.
- Served as formal faculty mentor for three MSU faculty - Megan Donahue, Ed Brown, and Jay Strader
- Won MSU College of Natural Science Faculty Mentoring Award in 2014.

## SERVICE - NATIONAL, 2001-

- SOAR Telescope Board of Directors, 2009 - present
  - President, 2013 - 2015, 2021 – 2023
- External Review Committee, Dept. of Physics, North Carolina State University, 2025
- Organizing Committee, SOAR 2025 Science Workshop, Michigan and Brazil, 2025
- Co-chair, Midwest Physics Chairs Meeting, Nov. 2024
- Chandra X-Ray Telescope Proposal Review Panel, June 2020
- Chair, External Review Committee, Dept. of Physics and Astronomy, University of Alabama, 2019
- Chair, Biennial AAS Astronomy Chairs Meeting, Chicago, IL, Nov. 2016 and Nov. 2014
- NSF proposal review panels, 2017 and 2015
- Chair, NOAO Telescope Allocation Committee Extragalactic Panel, Nov. 2016, 2014
- Chair, Hubble Space Telescope Cycle 24 Proposal Review Panel, June 2016
- Chair, NASA ADAP proposal review panel, Aug. 2015
- Invited panelist, National Academy meeting, Irvine, CA, Oct. 2014.
- Hubble Space Telescope Cycle 22 Proposal Review, June 2014
- Louisiana State NASA EPSCOR proposal review, 2014 and 2013
- Chair, SOAR Observatory Director Search Committee, 2013-2014
- Chair, NOAO Telescope Allocation Committee Extragalactic Panel, Nov. 2013
- Chair, Organizing Committee for Special Session “Black Holes in Globular Clusters” at HEAD meeting, March 2013
- CTIO Director Search Committee, 2012-2013
- Hubble Space Telescope Cycle 20 Proposal Review, May 2012
- NSF Science and Technology Centers Proposal Review, September 2011
- Galactic Neighborhood Science Frontier Panel, National Academy Astro2010: The Astronomy and Astrophysics Decadal Survey, 2009 - 2010
- Co-Chair, Kavli Institute for Theoretical Physics Program on the Formation and Evolution of Globular Clusters, Santa Barbara, CA, Jan-Apr 2009
- Invited contributor, Science with GSMT Workshop, June 2008.
- Hubble Space Telescope Cycle 16 Proposal Review, March 2007
- Chair, Organizing Committee, AAS Special Session “Extragalactic LMXBs”, Jan 2007
- Reviewer for Killam Foundation (Canada) and CONICYT (Chilean NSF), Fall 2006
- NSF panelist CAREER proposal review, October 2005
- SOC, CfA Workshop on Galaxies Viewed with Chandra, July 2004
- Chandra Cycle 6 Peer Review, June 2004
- Hubble Space Cycle 12 Telescope Allocation Committee, March 2003
- Co-Chair, Scientific Organizing Committee, KITP workshop, January 2003
- Scientific Organizing Committee, ESO Workshop on Globular Cluster Systems, 2002
- Hubble Space Cycle 11 Telescope Time Allocation Committee, 2001
- NASA LTSA/ADP Review Panel, 2001

## SERVICE - UNIVERSITY

- Chairperson, Dept. of Physics and Astronomy, 2018 - present
- MSU representative on the SOAR Board of Directors, 2009 - present
  - President, 2013 - 2015, 2021 – current
- Faculty Liaison, Abrams Planetarium, 2009 – present
- Big10 Academic Alliance Department Executive Officer Seminar, 2019
- Associate Chair for Astronomy, Dept. of Physics and Astronomy, 2009 - 2018
- Chair, Astronomy/Data Science Faculty Search Committee, 2017 - 2018
- Faculty Advisor for MSU Undergraduate Astronomy Program, 2012 - 2017
- Promotion and Tenure Review Committees, Dept. of Physics and Astronomy, MSU, 2016-2017, 2014-2015, 2009-2010, 2007-2008, 2006-2007, 2005-2006, 2003-2004
- Chair, Astronomy Seminar Series, 2016-2017
- Adhoc Physics & Astronomy Space Allocation Committee, 2004 - 2018
- Chair, Abrams Planetarium Director Search Committee, 2013 - 2014
- co-Chair, Dept. of Physics and Astronomy Colloquia, 2012 - 2013
- Chair, Astronomy Faculty Search Committee, 2011-2012
- Dean's Reappointment, Promotion and Tenure Advisory Committee, Lyman Briggs College, MSU, 2011
- Co-director MSU REF Center "Center for the Study of Cosmic Evolution," 2004 - 2009
- Coordinator for Astronomy and Astrophysics PhD, including P&A Grad Program and Recruitment Committees, 2004 - 2009
- SOAR Scientific Advisory Committee, 2003 - 2009
- Astronomy Seminar Series Chair, Fall 2009
- Salary Review Committee (SRC), 2005 - 2007
- Adhoc Graduate Program Review Committee, 2004
- Adcom (Advisory Committee to the Chair), 2002 - 2004
  - vice-chair, 2003 - 2004
- Faculty Search Committees, HEP experimental 2001-2002, AST 2001-2002, HEP theory 2003, AST/NUC 2002-2003
- Undergraduate Program Committee, 2002 - 2003
- Computer Operations Committee - MSU, 2001 - 2002
- Astronomy Seminar Series Chair - MSU, 2001 - 2003
- Director of Graduate Studies, Yale Astronomy Department, 1999 - 2001.

## TEACHING

### COURSES TAUGHT AT MICHIGAN STATE UNIVERSITY:

Fall 2022 – AST 207 (Science of Astronomy) 65 students  
Fall 2020/Spring 2021 - AST 410 (Senior Thesis), 17 students  
Summer 2020 - ISP 205 online, co-taught, 50 students  
Summer 2018 - ISP 205 online, 49 students  
Fall 2017/Spring 2018 - AST 410 (Senior Thesis), 10 students  
Fall 2017 - AST 207 (Science of Astronomy), 51 students  
Summer 2017 - ISP 205 online, 60 students  
Spring 2017 - ISP 205L (Visions of the Universe Lab), 420 students  
Fall 2016 - AST 207 (Science of Astronomy), 88 students  
Spring 2016 - ISP 205L (Visions of the Universe Lab), 380 students  
Fall 2015 - ISP 205L (Visions of the Universe Lab), 380 students  
Spring 2015 - ISP 205L (Visions of the Universe Lab), 460 students  
Fall 2014 - ISP 205L (Visions of the Universe Lab), 460 students  
Summer 2014 - ISP 205 online, 50 students  
Spring 2014 - ISP205L (Visions of the Universe Lab), 500 students  
Fall 2013 - ISP205L (Visions of the Universe Lab), 450 students  
Summer 2013 - ISP 205 online, 50 students  
Spring 2013 - ISP205L (Visions of the Universe Lab), 500 students  
Fall 2012 - AST 825 (Galactic Astronomy), 5 students  
Spring 2012 - ISP205L (Visions of the Universe Lab), 500 students  
Fall 2011 - ISP205L (Visions of the Universe Lab), 500 students  
Spring 2011 - ISP 205 (Visions of the Universe), 250 students  
Fall 2010 - AST 825 (Galactic Astronomy), 5 students  
Spring 2010 - AST912 (Observational Techniques), 4 students  
Fall 2009 - ISP 205 (Visions of the Universe), 250 students  
Spring 2009 - AST 208 (Observational and Planetary Astronomy), 30 students  
Fall 2008 - ISP 205 (Visions of the Universe), 250 students  
Spring 2008 - AST 912 (Observational Techniques), 8 students  
Fall 2007 - ISP 205 (Visions of the Universe), 250 students  
Spring 2007 - AST 208 (Observational and Planetary Astronomy), 31 students  
Fall 2006 - AST 825 (Galactic Astronomy), 10 students  
Spring 2006 - ISP 205 (Visions of the Universe), 250 students  
Fall 2005 - ISP 205 (Visions of the Universe), 250 students

## TEACHING, cont.

### COURSES TAUGHT AT MICHIGAN STATE, cont.

Fall 2004 - AST 825 (Galactic Astronomy), 9 students  
Fall 2003 - ISP 205 (Visions of the Universe), 250 students  
- AST 307 (The Milky Way), 24 students  
Spring 2003 - ISP 205 (Visions of the Universe), 250 students  
Fall 2002 - AST 830 (Galaxies and Cosmology), 17 students  
Spring 2002 - ISP 205 (Visions of the Universe), 250 students

### COURSES TAUGHT AT YALE UNIVERSITY:

Spring 2001 - ASTR 430 (Galaxies), ASTR 706 (Formation and Evolution of Galaxies)  
Fall 2000 - ASTR 220 (Intro. to Galaxy and Cosmology), ASTR 710 (Dept. Seminar)  
Spring 2000 - ASTR 710 (Departmental Seminar)  
Fall 1999 - ASTR 430 (Galaxies)  
Spring 1999 - ASTR 500 (Cosmology)  
Fall 1998 - ASTR 220 (Intro. to Galaxy and Cosmology)

## MENTORING

### JUNIOR FACULTY

- Faculty mentor for Prof. Megan Donahue, who is now a full professor and was named University Distinguished Professor in 2019, following her University Distinguished Faculty Award in 2014.
- Faculty mentor for Prof. Ed Brown, who was promoted to associate professor in 2010, and full professor in 2015, and is now interim dept. chair in the new Computational Mathematics, Science, and Engineering Department at MSU, and
- Faculty mentor for Prof. Jay Strader, who was hired as an assistant professor in 2012, and was awarded a Packard Fellowship in 2015, and promoted to associate professor in 2017, and full professor in 2022.

### RESEARCH ASSOCIATES

- Supervised Drs. Gilles Bergond, Maren Hempel, Arunav Kundu, Kwangmin Oh, Mark Peacock, Toro Tsuribe, Stephen Shih, Enrico Vesperini, and Chris Waters.

## MENTORING, cont.

### PHD STUDENTS

- Supervised recently graduated PhD student Kristen Dage. She started as an assistant professor at Curtin University in Australia in Aug. 2024, after being the first MSU PhD to receive the prestigious Hubble Fellowship.
- Previously supervised the PhD theses of Katherine Rhode (Yale, 2003), Chris Waters (MSU, 2007), and Matthew Steele (MSU, 2012). Dr. Rhode is an associate professor in astronomy at Indiana University, Dr. Waters is a research astronomer at Princeton University, and Dr. Steele is a researcher in science education.
- Served on PhD thesis committees of Matt Steele (chair), Chris Waters (chair), Seth Bruch, Tom Connor, Nathan De Lee, Neelam Dhanda, Alex Diebel, Eric Gingrich, Aaron Hoffer, Thomas Hettinger, Dana Koeppe, Charles Kuehn, Yong-Sun Lee, Brian Marsteller, Murari Regmi, Laura Shishkovsky, Jason Smolinski, Sam Swihart, and David Ventimiglia.
- External Reader for Harvard PhD thesis of Pauline Barmby, now Professor, Western University, Canada

### MASTER'S STUDENTS

- Supervised the Master's level theses of Q.C. Zhang, J.H. Woo, and Katherine Rhode at Yale and Jennifer Westbrook, Chris Waters, and Tom Finzell at MSU.

### UNDERGRADUATES

- Supervised undergraduate research of Nathan Sanders (2008-2010) who was awarded a Goldwater Scholarship and a NSF Graduate Fellowship, and MSU undergraduate Wasundara Athukoralalage, a Dean's Scholar at MSU and now a PhD student at Harvard. Also supervised senior theses of Omid Naroozi (2018-2019), Tess O'Neal (2015-2016), Colin Paulbeck (2012-2013), Joseph Stoiko (2009-2010), Nathan Sanders (2009-2010), Bill Martinez (2007-2008), Julian von Eye (2007-2008), Ryan Thomas (2006-2007), Nathan Krzyaniak (2005-2006) Elizabeth Blanchfield (2005), Stephanie Simpson (2004-2005), Matthew Ingber (2003-2004), Josh Hubbell (2003), Andrew Hungerford (2001-2002), and Mary-Katherine McGovern (1999-2000).
- Supervised MSU REU students Andrew Esselman 2006, Nikolette Lustic 2004, and Jessica Uscinski 2002

### HIGH SCHOOL STUDENTS

- Supervised Julia Chael in the summer 2015 High School Honors Science Program (HSHSP). She submitted her work from the summer to the Siemens Competition and was selected as a Semifinalist. Also supervised Kelly Kilts in the 2002 HSHSP program.

## PUBLIC OUTREACH AND POPULAR PUBLICATIONS

- Interview, WDIV TV, October 29, 2025
- Interview on Voice of America, October 8, 2021
- Interview on Voice of America, October 6, 2020
- Public talk at Cleveland Museum of Natural History, April 2019
- Public talks at Abrams Planetarium, March 2019, November 2017, January 2017
- Interview for NHK (Japanese public television) program on globular cluster formation, February 2016
- Public talk at Abrams Planetarium, October 2015
- Presentation on SOAR Telescope at MSU Science Festival, April 2015
- Public talk at Abrams Planetarium, November 2014
- Presentations to MSU Distinguished Scholarship Candidates, February 2013 and 2012
- Presentation to Owosso school group, October 2010
- MSU astronomy Science University presentation, April 2010
- Public talk at Abrams Planetarium, March 2010
- BBC, UPI, and other press coverage of 2008 ApJL paper on black holes in globular clusters.
- Public talk at Abrams Planetarium, March 2008.
- MSU Society for Physics Students Speaker, February 2008
- Presentation to Okemos High School students, December 2007
- Public talk at Abrams Planetarium, February 2007.
- Extensive press coverage of Nature paper published in Jan 2007.
- Public talk at Kalamazoo Math and Science Center, May 2006.
- Public talk at Abrams Planetarium, February 2006.
- Radio interview on Voice of America, April 25, 2005.
- Public talk at Abrams Planetarium, February 2005.
- Public Talk in the Cosmic Horizons Series at Abrams Planetarium, January 2004.
- Article written by invitation for *Scientific American*, published in October 2003 issue.
- Presentation on SOAR Telescope to Okemos High School Class, November 2003.
- Quoted in Sciencenow commenting on a recent ApJL paper, Jan. 15, 2003.
- Research work highlighted in two news articles in Science, January 3, 2003, vol. 299.
- CNN, Reuters, and others from a Nature paper on the Brightness of Cepheid Variables and the Rate of Expansion of the Universe, Sept. 21, 1999.
- New York Times National Edition and others, Stellar Populations and Dark Matter in



**PUBLIC OUTREACH AND POPULAR PUBLICATIONS**  
the Halos of Spiral Galaxies, Jan. 7, 1999

## GRANT HISTORY

PI, Chandra GO Program, “Characterizing the Nature of Globular Cluster ULX Sources in NGC 1399,” 07/31/23 - 07/30/25, \$23,439

PI, Chandra GO Program, “The hunt for a new ultra-compact X-ray binary in M87's globular cluster system,” 03/09/23 - 03/08/25, \$21,001

PI, HST AR Program, “Far-ultraviolet insights into multiple populations in extragalactic globular clusters,” 12/1/20 – 11/30/24, \$41,060

PI, Chandra GO Program, “The LMXB Population of NGC 3998: Testing for an Extreme IMF,” 09/08/21 – 09/07/24, \$59,960

PI, Chandra GO Program, “A high spatial resolution X-Ray survey of the halo of M87,” 03/09/20 - 03/08/24, \$74,600

PI, DOE Argonne, “Support for Sean Couch sabbatical at Argonne National Laboratory,” 09/01/21 – 05/31/22, \$81,987

PI, Chandra GO Program, “The Nature of the Two Globular Cluster ULXs in the Galaxy NGC 4472,” 04/08/19 - 04/17/22, \$58,745

co-I, Chandra AR Program, “Do LMXB populations vary among old early-type galaxies,” 01/29/20 - 01/28/22, \$27,239

PI, JPL/NASA, “Complete Spectral Characterization of a newly discovered ULX,” 01/08/21 - 09/26/21, \$20,000

PI, NASA, “X-ray Binaries and the IMF in Early-Type Galaxies,” 04/01/15 - 03/30/19, \$284,827

PI, NSF, “Developing Direct Observational Tests of the Formation of Multiple Stellar Populations in Globular Clusters,” 08/01/14 - 07/31/18, \$181,603

PI, HST GO Program “Testing Models of the Black-Hole X-ray Source in the NGC 4472 Globular Cluster RZ2109 with COS UV Spectroscopy,” 07/01/2015 - 06/30/2018, \$67,535

PI, HST AR Program “Use of Wide-Field ACS Mosaics to Determine Total Properties of Globular Cluster Systems,” 07/01/2015 - 06/30/2018, \$84,281

PI, Chandra GO Program, “Long-term X-ray and Optical Study of the Black Hole X-ray Binaries in the Elliptical Galaxy NGC 4472,” 04/01/14 - 03/30/18, \$51,113

co-PI, MSU REF Center “Center for the Study of Cosmic Evolution” 07/01/04 - 06/30/09 \$1,500,000

PI, Chandra AR Program, “X-Raying the IMF of Elliptical Galaxies,” 02/01/14 – 02/28/16, \$39,997

PI, NASA, “Extragalactic Black-Hole X-Ray Sources in Globular Clusters and the Field,” 04/01/11 - 03/30/15, \$220,305

### Grant History, Continued

PI, NASA, “The Origin and Evolution of LMXBs and Their Connection to Globular Clusters,” 04/01/08-03/31/14, \$234,675

PI, Chandra GO program, “Low luminosity AGN and low mass black holes in nearby dwarf galaxies,” 1/01/11 - 12/31/13, \$20,908

PI, Chandra GO Program, “A New Look at the X-Ray Binary Richest Galaxy,” 09/01/10 - 08/31/2013, \$17,865.00

PI, NSF, “Emission Lines and Black-Hole Activity in Extragalactic Globular Clusters,” 08/01/08 - 07/31/12, \$170,137

PI, Chandra Archival Program, “The Dependence of LMXBs on the Encounter Rate in Globular Clusters from an Archival Analysis of Very Deep Data for M87,” 1/01/09 - 12/31/12, \$42,500

PI, HST General Observer Program “The Nature of the Black Hole in a NGC 4472 Globular Cluster and the Origin of Its Broad [OIII] Emission,” 12/01/09 - 11/30/12, \$84,690

PI, Chandra General Observer Program “Understanding the Low-Mass X-ray Binaries in the Sculptor Dwarf Spheroidal,” 09/15/08 - 09/14/11, \$49,738

Co-I, NASA/Drexel, “Dynamical Evolution of Young & Old Globular Clusters & Globular Cluster Systems,” 04/01/08-03/31/12, \$38,360 (MSU share)

PI, HST General Observer Program “Determining the Structural Parameters of the First Globular Cluster Found to Host a Black-Hole X-ray Binary,” 01/01/08 - 12/31/10, \$78,808

PI, Chandra Archival Program, “Testing for Spectral Differences between LMXBs in Metal-Rich and Metal-Poor GCs and Their Implications,” 12/01/07/ - 11/30/09, \$58,500

co-I, HST Archival Research Program “Blue Tilts and Other Properties of Halo Glob- ular Clusters in Nearby Galaxies - Cosmological or Observational Bias? ,” 09/01/07 - 08/31/10, \$93,000

MSU sponsor of postdoc Dr. A. Kundu’s NASA LTSA Grant “Multiwavelength Study of the Globular Cluster Systems of Ellipticals and S0s,” 03/15/03 - 03/14/09, \$556,806

co-I, HST General Observer Program “A Deep H-band Probe of the Globular Cluster Mass Function,” 01/01/06 - 12/31/08, \$40,000

PI, NSF, “Collaborative Project: An Investigation of the Formation and Evolution of Globular Cluster Systems and Their Host Galaxies,” 08/15/04 - 08/14/07, \$243,848

PI, HST General Observer Program “Globular Cluster Systems of Elliptical Galaxies in Low Density Environments,” 08/01/05 - 10/31/08, \$77,554

co-I, Chandra Archival Program, “Probing the Effects of Globular Cluster Age on Low

## Grant History, Continued

Mass X-ray Binary Formation,” 11/01/06 - 10/31/08, \$63,500

PI, Spitzer GO Program, “Testing Stellar Population Models with Observations of Intermediate-Age Globular Clusters in NGC 4365,” 09/01/04 - 8/31/07, \$12,200

PI, HST General Observer Program “Microlensing in M87 and the Virgo Cluster,” 08/01/05 - 7/31/07, \$18,005

PI, Chandra Archival Program, “An Archival Study of the Origin and Evolution of LMXBs in Elliptical Galaxies,” 11/01/04 - 10/31/06, \$62,990

co-I, XMM Observer Program, “A Deep Look at the Ursa Minor Dwarf Spheroidal Galaxy,” 09/15/05 - 09/14/07, \$22,200

PI, HST General Observer Program “The Age and Mass Function of the Intermediate Age Globular Cluster System of NGC 4365,” 08/01/03 - 7/31/06, \$35,696

co-I, NSF Advanced Technology and Instrumentation, “Wide-Field Upgrade for the Spartan Infrared Camera,” 08/01/03 - 07/31/05, \$148,787

PI (for US Funding), Chandra GO Program, “Using the Sculptor Dwarf Spheroidal galaxy to Constrain X-ray Binary Production in Population II,” 04/01/04 - 03/31/06, \$31,117

PI, NASA Long-Term Space Astrophysics Research Program “The Formation History of Galaxies: Constraints from Globular Cluster Systems and Deep Multi-Wavelength Surveys,” 06/01/00 - 05/30/06, \$598,360

PI, Chandra Archival Program, “An Archival Study of the Relationship between Globular Clusters and LMXBS in Elliptical Galaxies,” 11/01/02 - 10/31/05, \$77,994

PI, HST General Observer Program “The Formation Epoch(s) of Globular Clusters Around Ellipticals from Ultraviolet Photometry,” 03/01/01 - 08/31/04, \$68,499

PI, HST General Observer Program, “Pixel Microlensing,” 09/01/00 - 08/31/04, \$76,210

PI, NASA Astrophysics Theory Program “Globular Cluster Formation,” 04/01/00 - 05/30/04, \$311,653

PI, HST Archival Program “The Radii and Destruction Timescales of Globular Clusters in NGC 3610, 09/01/00 - 08/31/04, \$36,000

co-I, HST Archival Research Program, “The Evolution of the Globular Cluster System of M87,” 05/01/01 - 02/29/04, \$59,500

PI, HST General Observer Program, “Weighing the Stellar Halo of NGC 5907 with NICMOS,” 05/15/98 - 05/14/00, \$83,170

PI, The Concentration of Tidal Radii of Globular Clusters in Virgo Ellipticals,” 05/01/98 - 04/30/00, \$39,183

## PUBLICATIONS

### CURRENT SUMMARY

Google Scholar: 10851 citations, 24 papers > 100 citations, h-index 53

Over 1/2 of all papers have my students and postdocs or myself as first author

### Books

Ashman, K.M., and Zepf, S.E. “Globular Cluster Systems,” 1998, Cambridge University Press.

### Refereed Articles

1. Zepf, S.E., and Koo, D.C. “Close Pairs of Galaxies in Deep Sky Surveys,” 1989, ApJ, 337, 34.
2. Zepf, S.E., Whitmore, B.C., and Levison, H.F. “Optical Colors of Early-Type Galaxies in Compact Groups,” 1991, ApJ, 383, 524.
3. Zepf, S.E., and Whitmore, B.C. “Modelling the Evolution of Galaxies in Compact Groups,” 1991, ApJ, 383, 542.
4. Ashman, K.M., and Zepf, S.E. “The Formation of Globular Clusters in Merging and Interacting Galaxies,” 1992, ApJ, 384, 50.
5. Zepf, S.E. “The Frequency of Mergers in Compact Groups,” 1993, ApJ, 407, 448.
6. Zepf, S.E., and Whitmore, B.C. “The Structure and Dynamics of Elliptical Galaxies in Compact Groups,” 1993, ApJ, 418, 72.
7. Zepf, S.E., and Ashman, K.M. “Globular Cluster Systems Formed in Galaxy Mergers,” 1993, MNRAS, 264, 611.
8. Ribeiro, A.L., de Carvalho, R.R., and Zepf, S.E. “The Luminosity Function of Galaxies in Compact Groups,” 1994, MNRAS, 267, L13.
9. Cole, S., Aragón-Salamanca, A., Frenk, C.S., Navarro, J.F., and Zepf, S.E. “A Recipe for Galaxy Formation,” 1994, MNRAS, 271, 781
10. de Carvalho, R.R., Ribeiro, A.L., and Zepf, S.E. “Structural Properties of Compact Groups,” 1994, ApJS, 93, 47.
11. Ashman, K.M., Bird, C.M., and Zepf, S.E. “Detecting Bimodality in Astronomical Datasets,” 1994, AJ, 108, 2348.
12. Zepf, S.E., Geisler, D., and Ashman, K.M. “The Richness of Globular Cluster System of NGC 3923: Clues to Elliptical Galaxy Formation,” 1994, ApJL, 435, L117.

## PUBLICATIONS (p. 2)

13. Ashman, K.M., Conti, A., & Zepf, S.E. “Globular Cluster Systems as Distance Indicators: Metallicity Effects on the Luminosity Function,” 1995, *AJ*, 110, 1164
14. Zepf, S.E., Carter, D., Sharples, R.M., & Ashman, K.M., “Spectroscopy of Young Globular Clusters in NGC 1275,” 1995, *ApJL*, 445, L19.
15. Zepf, S.E., Ashman, K.M., and Geisler, D. “Constraints on the Formation History of the Elliptical Galaxy NGC 3923 from the Colors of Its Globular Clusters,” 1995, *ApJ*, 443, 570.
16. Ribeiro, A.L.B., de Carvalho, R.R., Coziol, R., Capelato, H.V., & Zepf, S.E. “HCG 16: A High Concentration of Active Galaxies in the Nearby Universe,” 1996, *ApJL*, 463, L5.
17. Zepf, S.E., & Silk, J. “On the Effects of Bursts of Massive Star Formation During the Evolution of Elliptical Galaxies,” 1996, *ApJ*, 466, 114.
18. Bridges, T.J., Ashman, K.M., Zepf, S.E., Carter, D.C., Hanes, D.A., Sharples, R.M., & Kavelaars, J.J. “Kinematics and Metallicities of Globular Clusters in M104,” 1997, *MNRAS*, 284, 376.
19. Zepf, S.E., de Carvalho, R.R., & Ribeiro, A.L.B. “The Faint End of the Luminosity Function of Galaxies in Hickson Groups,” 1997, *ApJL*, 488, L11.
20. Zepf, S.E., Moustakas, L.A., & Davis, M. “Keck Spectroscopy of Objects with Lens-like Morphologies in the Hubble Deep Field,” 1997, *ApJL*, 474, L1.
21. de Carvalho, R.R., Ribeiro, A.L.B., Capelato, H.V., & Zepf, S.E. “A Redshift Survey of Faint Galaxies around a Selected Sample of Compact Groups,” 1997, *ApJS*, 110, 1.
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