

Paul Walter - Curriculum Vitae

CONTACT INFORMATION	2501 Manor Rd. Apt 306 Austin, TX 78722	<i>Phone:</i> (512) 553-0751 <i>E-mail:</i> pauljwalter@gmail.com <i>Webpage:</i> http://wwwrel.ph.utexas.edu/Members/paul
EDUCATION	University of Texas at Austin , Austin, Texas USA Ph.D., Physics, December, 2009	August, 2002 - December, 2009
	University of Notre Dame , Notre Dame, Indiana USA B.S., Physics, May, 2001	August, 1997 - May, 2001
RESEARCH EXPERIENCE	<i>University of Texas at Austin</i> Numerical Relativity, modeling waveforms of binary black hole mergers. <ul style="list-style-type: none">• Advisor: Prof. Richard Matzner <i>University of Notre Dame - Undergraduate Research</i> Investigated an alternate paradigm for the s-Process in low-metallicity AGB (Asymptotic Giant Branch) stars. <ul style="list-style-type: none">• Advisor: Prof. Grant Mathews	November, 2003 - December, 2009 January, 1999 - January, 2002
TEACHING EXPERIENCE	<i>University of Texas at Austin</i> Assistant Instructor <ul style="list-style-type: none">• Introduction to Physical Sciences: Mechanics and Heat (P S 303)• Introduction to Physical Sciences II: Electricity, Light, and Optics (P S 304)• Laboratory for Physics Majors: E&M (PHY 116L) Teaching Assistant	June, 2004 - December, 2009 August, 2002 - May, 2004
	<i>The Princeton Review</i> <ul style="list-style-type: none">• Lectured/tutored physics for pre-med students preparing for the MCAT	January 2006 - August 2007
GUEST LECTURES	Paul Walter, Richard Matzner, Jon Allen, Matt Anderson, and Andrea Nerozzi. <i>Using openGR for Numerical Relativity Simulations</i> , LSU, Baton Rouge, LA, February 21, 2008	
CONTRIBUTED TALKS	Paul Walter, Jon Allen, Matt Anderson, Richard Matzner, Andrea Nerozzi, and Uli Sperhake. <i>Using openGR in Numerical Relativity</i> , Twelfth Marcel Grossmann Meeting, Paris, France, July 13, 2009 Paul Walter, Matt Anderson, Jon Allen, Richard Matzner, Andrea Nerozzi, and Uli Sperhake. <i>openGR</i> , Summer School on Nuclear and Particle Astrophysics: Connecting Quarks with the Cosmos, Seattle, Washington, July 1, 2009	

Paul Walter, Andrea Nerozzi, Jon Allen, Richard Matzner, and Matt Anderson. *Equal Mass, Head-on Collision with openGR*, 2008 Numerical Relativity and Data Analysis Meeting, Syracuse, NY, August 11, 2008

Paul Walter, Richard Matzner, Jon Allen, Matt Anderson, and Andrea Nerozzi. *Status of openGR*, Fourth Gulf Coast Gravity Conference, Oxford, MS, March 8, 2008

Paul Walter, Andrea Nerozzi, Richard Matzner, and Matt Anderson. *Simulation of a Boosted Black Hole with Overlapping Coordinate Systems*, APS April Meeting, Dallas, TX, April 23, 2006

Paul Walter, Richard Matzner, and Matt Anderson. *Fisheye Coordinate Transformation for a Single Black Hole*, First Gulf Coast Gravity Conference, Brownsville, TX, February 11, 2005

Paul Walter, Grant Mathews. *Prospects for the Flash-Driven Thermal-Pulse s-Process in Low-Metallicity Stars*, AAS 199th Meeting, Washington, DC, January 9, 2002

CONTRIBUTED
POSTERS

Paul Walter, Richard Matzner, Jon Allen, Matt Anderson, and Andrea Nerozzi. *Binary Black Hole Mergers Using openGR*, APS April Meeting, St. Louis, MO, April 14, 2008

SCHOOLS OR
CONFERENCES
ATTENDED

Midwest Relativity Meeting (MWRM - 16) / Cliff Will Symposium, St. Louis, Missouri, USA, November 17-19, 2006

International School of Relativistic Astrophysics «John Archibald Wheeler»
1st Course: *Developments of 50 Years in Astrophysical Relativity: Frame-Dragging, Gravitational-Waves and Gravitational Tests*
Directors: Ignazio Ciufolini and Richard Matzner
Erice, Sicily, May 31 - June 8, 2006

Astrophysical Applications of Numerical Relativity Workshop, Guanajuato, Mexico, May 6-11, 2006

Summer School in Gravitational Wave Astronomy (University of Texas at Brownsville), South Padre Island, Texas, USA, June 7-18, 2004

PROFESSIONAL
SOCIETIES
MEMBERSHIP

American Physical Society

International Society on General Relativity and Gravitation