

DAVID A. RIETHMILLER

CURRICULUM VITAE
(CURRENT AS OF MAY 2007)

CURRENT POSITION AND ADDRESS:

Graduate Assistant
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Department of Physics and Astronomy
251B Clippinger Laboratories
Ohio University
Athens, OH 45701

EDUCATION:

Ph.D. Candidate – Ohio University (ongoing)
Advisor: Dr. Thomas Statler

B.S. – Carnegie Mellon University, Physics / Astrophysics, May 2006
Advisor: Dr. Richard Griffiths

EXPERIENCE:

Teaching Assistant, Department of Physics and Astronomy, Ohio University (Sept. 2006 – Present)
➤ TA for introductory physics labs.

Research Assistant, Department of Physics and Astronomy, Ohio University (Mar. 2007 – Present)
➤ Measuring rotation rates of selected near-earth objects.

Research Assistant, Department of Physics, Carnegie Mellon University (Sept. 2005 – May 2006)
➤ Catalogued ULX data from Chandra X-Ray Observatory

Research Assistant, Department of Physics, Georgia Institute of Technology (May 2005 – Aug. 2005)
➤ REU: Refined light curve and radial velocity data from eclipsing binary star system MM Herculis

Research Assistant, Department of Physics, Carnegie Mellon University (Jan. 2005 – May 2005)
➤ Catalogued ULX data from XMM-Newton Observatory

COURSES TAUGHT:

Introductory Physics Lab (1): Algebra-based mechanics of solids and liquids. 15 undergraduates per lab.

Introductory Physics Lab (2): Algebra-based electricity, magnetism, heat, thermodynamics, waves, and sound. 15 undergraduates per lab.

General Physics Lab (3): Calculus-based capacitance, electric current and circuits, magnetism and magnetic fields, electric induction, A.C. circuits, electromagnetic waves, geometrical optics, interference, and diffraction of light. 15 undergraduates per lab.

AWARDS AND HONORS:

2005 – Present: Sigma Pi Sigma

RESEARCH INTERESTS:

Asteroid rotation rates, Ultra-Luminous X-Ray sources, Eclipsing Binary star systems.

SERVICE:

Science Olympiad – Marietta College, March 2007 - helped judge circuit lab competition.