

Ricardo E. Rojas

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Education (UIUC).

- Ph.D. in Mathematics.
 - Candidate, August 2001 – Present.
 - Graduation expected in May 2008.
 - Thesis Advisor: Professor Bruce Reznick.
- B.S. in Physics.
 - Magna Cum Laude, May 2001.
 - Acquired degree in three years.

Employment (UIUC).

- Administered mathematics courses which utilized Mathematica.
 - August 2006 – December 2007.
 - Worked with J. Jerry Uhl, Jr., Bruce Carpenter, and Debra Woods.
- Math 230 (Calculus II).
 - Fall 2005 and Spring 2006.
 - Full Instructor with Class Assistant.
 - Utilized Mathematica.
- Math 234 (Calculus for Business, I).
 - Large lecture format, Spring 2005.
 - Principal Lecturer with three Teaching Assistants.
- Math 225 (Introductory Matrix Theory).
 - Full Instructor, Fall 2004.
- Math 242 (Calculus of Several Variables).
 - Full Instructor, Spring 2003.
- Math 130 (Calculus and Analytic Geometry, II).
 - Full Instructor, Spring 2002 and Fall 2002.
- Math 120 (Calculus and Analytic Geometry, I).
 - Teaching Assistant, Fall 2001.

Research.

- Utilize loops to study finite affine planes.
- Motivated by the Prime Power Conjecture for finite projective planes.

Presentations (UIUC).

- *A Characterization of the Finite Affine Translation Planes of Odd Order.*
 - Geometric Potpourri Seminar, April 24, 2007.
 - Math 600 (Seminar for Graduate Students), February 26, 2007.
 - Graph Theory and Combinatorics Seminar, January 30, 2007.

Awards (UIUC).

- R. H. Scharf Predoctoral Fellowship, Spring 2008.
- Research Assistantship under Professor Bruce Reznick, Spring 2008.
- Predoctoral Fellowship, August 16, 2003 – August 15, 2004.
 - Graduate Assistance in Areas of National Need (GAANN).
- Research Experience for Graduate Students (REGS), Summer 2003.

References.

- Bruce Carpenter, Teaching Associate
University of Illinois at Urbana-Champaign
(217) 333 – 2489, bruce@cm.math.uiuc.edu
- Robert G. Muncaster, Associate Chair of Mathematics
Associate Professor of Mathematics and Political Science
University of Illinois at Urbana-Champaign
(217) 333 – 1625, muncast@uiuc.edu
- Bruce Reznick, Professor of Mathematics
University of Illinois at Urbana-Champaign
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- J. Jerry Uhl, Jr., Professor of Mathematics
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(217) 333 – 3350, juhl@cm.math.uiuc.edu
- Debra Woods, Director of NetMath
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