

McKenzie Lamb

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Office Phone: (520) 626-0663
Citizenship: United States

Education:

- 2003– *University of Arizona*, Tucson, AZ
Ph.D. in Mathematics, May 2009 (expected)
 Focus: *Poisson Lie Groups*
 Advisor: Dr. Philip Foth
Passed qualifying examinations: August, 2005
Passed comprehensive oral examination: December, 2006
 Topic: Moment Maps for Poisson Actions
- 1998–2002 *Beloit College*, Beloit, WI
B.A. in Mathematics with Honors, May 2002
 Thesis: *The Quadratic Sieve Factoring Algorithm*
 Advisor: Dr. Paul Campbell

Academic Honors and Awards:

- VIGRE Fellowship - University of Arizona (5 times)
Phi Beta Kappa of Beloit College
Presidential Scholarship - Beloit College
Cornwell-Huffer Prize in Mathematics - Beloit College

Selected Coursework: Algebraic Geometry, Complex Analysis, Riemann Surfaces, Riemannian Geometry, Symplectic Geometry, Algebraic Topology, Lie Groups and Lie Algebras, Symbolic Logic, Computational Linguistics

Teaching Experience and Vertical Integration:

- Graduate Teaching Assistant, 2003-Present. Courses taught through Spring 2008:
 - College Algebra (3 times)
 - Precalculus
 - Calculus I (twice)
 - Calculus II (twice)
 - Vector Calculus.
 - Linear Algebra
- Fall 2008: Super-TA for Introduction to Proofs class
- Summer 2008: Senior Graduate Student Assistant for Graduate Integration
- Spring 2007: Organized the student-run Graduate Geometry Seminar Workshop
- Summer 2006: Senior Graduate Student Assistant for Graduate Integration Workshop

Funded Conference Attendances:

- Poisson 2008: Poisson Geometry in Mathematics and Physics - Lausanne, Switzerland - July 1-11, 2008.

Lectures/Talks Given:

- *Linearizing Mathematical Problems*. Sahuaro High School, Tucson, AZ. January 28, 2009.
- *Iwasawa Decompositions*. Graduate Geometry Seminar, University of Arizona. January 31, 2007.
- *Cartan Decompositions*. Graduate Geometry Seminar, University of Arizona. January 24, 2007.
- *Line Bundles, Divisors, and Sheaves*. Graduate Mathematics Colloquium, University of Arizona. April 26, 2006.
- *Gröbner Bases and Convex Polytopes*. Graduate Mathematics Colloquium, University of Arizona. October 20, 2004.