

## Matthew J. Labrum

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Department of Mathematics  
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<http://www.math.wsu.edu/students/mlabrum/welcome.html>

### Current Status

Graduate Research Assistant - Department of Mathematics, Washington State University

### Education

B.S. Mathematics - University of Idaho, 2003

Minor - Computer Science

M.S. Mathematics - Washington State University, 2008

### Teaching Experience

Graduate Teaching Assistant Fall 2006; Spring, Fall 2007; Spring 2008, 2009  
Department of Mathematics Washington State University

Courses Taught:

Math 107 (Pre-Calculus) - Fall 2006; Spring, Fall 2007; Spring 2008, 2009

Courses Assisted:

Math 172 (Calculus II) - Fall 2007, Spring 2009

Math 171 (Calculus I) - Spring 2008

### Research Experience

Research Assistant Summer 2007, 2008, 2009  
Richard Gomulkiewicz Washington State University  
Explored the impact heterogeneity has on persistence in branching process models.

Undergraduate Research Assistant Fall 2002 – Spring 2003  
Steve Krone - IBEST University of Idaho  
Wrote a (beta version) program in C++ to simulate evolution in microbial communities.

### Papers

“On the Evolution of Structure in Ecological Networks,” with S. Krone, T. Soule, A. Blue.  
*Proceedings of International Conference on Complex Systems 2004*

### Honors and Associations

Graduate Teaching Assistantship - Department of Mathematics, Washington State University  
Fall 2006; Spring, Fall 2007; Spring 2008, 2009

Research Assistantship - Richard Gomulkiewicz, Washington State University  
Summer 2007; Summer/Fall 2008, 2009

Membership - American Mathematical Society; 1998–Present

Membership - Tau Beta Pi; 2001–Present

Membership - Society for Industrial and Applied Mathematics; 2007–Present

Membership - American Mensa; 2007–Present

Membership - The Society for Mathematical Biology; 2007–Present

Membership - The Society for the Study of Evolution; 2009–Present