

Brie Finegold

CONTACT INFORMATION	Department of Mathematics South Hall Santa Barbara, CA 93117 (805) 637-1923	<i>Email:</i> briefly[at]math.ucsb.edu <i>Website:</i> http://www.math.ucsb.edu/~briefly/ <i>Date of birth:</i> May 23, 1979 <i>Citizenship:</i> USA
RESEARCH INTERESTS	Geometric Group Theory/Low Dimensional Topology, focusing on special linear groups, theory of complexes of groups	
EDUCATION	University of California, Santa Barbara. Ph.D., Mathematics, 2010. University of California, Santa Barbara. M.A., Mathematics, 2005. University of North Texas. B.S., Mathematics, 2001. Internship at Scientific American Magazine in New York, NY. Summer 2006.	
THESIS	The Torus Complex over a Ring and Presentations of $SL(n, R)$	
HONORS AND AWARDS	<ul style="list-style-type: none">• 2009 Outstanding Teaching Assistant at UCSB• 2007-2009 Funded through National Science Foundation for five quarters• 2009 Funded through grant from the Educational Advancement Foundation• 2006 AAAS-AMS Mass Media Fellow• 1998-2001 Merit-based Scholarships from UNT Math Dept., College of Arts and Sciences• 2001 Outstanding Teaching Assistant at UNT	
EMPLOYMENT	University of California at Santa Barbara, Santa Barbara, CA USA Department of Mathematics <i>Teaching Assistant/Associate, Research Assistant</i> September 2003 - present Instructor for: <ul style="list-style-type: none">• Math 100 – Elementary Mathematics (for future teachers)• Math 3C – Introduction to Differential Equations and Linear Algebra• Math 190 Independent Study – Supervised projects for talented 5B (Multivariable Calculus) students Teaching Assistant for: <ul style="list-style-type: none">• Math 108 – Group Theory• Math 3A – Differential Calculus• Math 3CI, 5AI – Inquiry Based Differential Equations, Multivariable Calculus• College of Creative Studies – Linear Algebra and Introduction to Proof (for gifted students)• Math 34A – Calculus for the Social Sciences• Math 8 – Introduction to Proof American Mathematical Society (AMS), Washington, DC USA Public Affairs Office <i>Regular Contributor to AMS Website (Math in the Media)</i> September 2006 - present Scientific American Magazine, New York, NY USA <i>AAAS-AMS Mass Media Fellow</i> June 2006 -August 2006 Texas State University Summer Honors Math Camp, San Marcos, TX USA <i>Counselor for mathematically talented high school students</i> Summers of 2003, 2004	

Yeshiva High School Atlanta, GA USA
Mathematics Instructor

August 2001 - January 2002

University of North Texas, Denton, TX USA
Department of Mathematics
Teaching Assistant/Grader/Math Lab

September 1998 - June 2000

PUBLICATIONS

- **Math in the Media—Various Summaries of Popular Media Articles.**
<http://www.ams.org/mathmedia/mathdigest/>
- **Correspondence in Flux, (A Book Review of Steven Strogatz's *The Calculus of Friendship*).** *Science Magazine*, October 30, 2009, p.669
- **An Open Problem—Mathematics at the AAAS Annual Meeting.** *MAA Focus*. May/June 2007, p.10.
- **Examples of Groups 2008.** *AWM Newsletter*. September -October 2008, p.11-12.
- **My Summer at Scientific American.** *AMS Notices*. January 2007, p.54-55
- **Inpaint By Number.** *Scientific American Magazine*. October, 2006, p.24-25.

TALKS

- Joint AMS-MAA Meetings. Contributed Paper. San Francisco, CA. January, 2010.
- Binghamton University Graduate Conference on Algebra and Topology. Binghamton University. Binghamton, NY. November, 2009.
- Department of Mathematics, California Polytechnic State University, San Luis Obispo. Colloquium. San Luis Obispo, CA. November 2009.
- Department of Mathematics, Pomona College. Topology Seminar. Pomona, CA. November 2009.
- Department of Mathematics, UCSB. Topology Seminar. Santa Barbara, CA. October 2009.
- Department of Mathematics, California State University Channel Islands. Colloquium. Camarillo, CA. September 2009.
- Georgia International Topology Conference. Young Mathematicians Session. Athens, GA. May 2009.
- Department of Mathematics, UCSB. Undergraduate Math Club. Santa Barbara, CA. April 2009.
- Department of Mathematics, UCSB. Discrete Geometry Seminar. Santa Barbara, CA. December 2007.
- Department of Mathematics, UCSB. Hypatian Seminar. Santa Barbara, CA. November 2007.

CONFERENCES AND
WORKSHOPS
(FUNDED TO
ATTEND)

- Binghamton University Graduate Conference on Algebra and Topology. Binghamton University. Binghamton, NY. 2009
- Georgia International Topology Conference. University of Georgia, Athens. Athens, GA. 2009
- Examples of Groups Summer School. Ohio State University. Columbus, OH 2008,2009
- Summer Program for Women: Low Dimensional Topology. Princeton Institute for Advanced Study. Princeton, NJ. 2008
- Connections for Women in Geometric Group Theory. Mathematical Sciences Research Institute. Berkeley, CA. 2007
- R.L. Moore Conference on Education. University of Texas. Austin, TX. 2001-2007

LEADERSHIP

- Cofounder/Organizer of Hypatian Seminar at UCSB. 2006-present.
Hypatian Seminar's goal is to encourage women and minorities to pursue mathematical careers.
- Grant Writer for Hypatian Seminar. 2007, 2009. Earned funds for three years from the MAA's Tensor Grant. Applying to NSF for future funding.

- Lead Teaching Assistant at UCSB. 2008.
Trained incoming graduate students to be effective teaching assistants.
- Co-organizer of Student Topology Seminar. 2008.