

CONTACT INFORMATION: 520 Portola Plaza
Department of Mathematics
Math Science Bldg.
Box 951555
UCLA
Los Angeles, CA 90095-1555 USA
Phone: (510) 282-7649
E-mail: sizemore@math.ucla.edu
<http://www.math.ucla.edu/sizemore>

RESEARCH INTERESTS: Operator algebras, orbit equivalence ergodic theory, geometric and measurable group theory.

EDUCATION: **University of California, Los Angeles**, Los Angeles, California USA
Ph.D. Candidate, Mathematics (expected graduation date: June 2012)

- Dissertation Topic: “OE and W^* rigidity for wreath products”
- Advisor: Sorin Popa

M.S., Mathematics, Sept 2008

University of California, Berkeley, Berkeley, California USA
B.A. with Honors, Mathematics, May, 2006

HONORS AND AWARDS: Presidential Scholar, 2002
NSF Vigre Research Grant, 2006-2009
NSF Vigre RTG Analysis Research Training Grant, 2009-2010
NSF East Asia and Pacific Summer Institutes (EAPSI) Summer Fellowship, 2010
NSF Vigre Teaching Fellowship, (2011)
UCLA Dissertation Year Fellowship, (2011-2012)

VISITING POSITIONS HELD: University of Tokyo, June-August, 2010

L’Institut Henri Poincaré, May-July, 2011

INVITED TALKS: Geometry and Physics seminar, Penn State University. *March 2010*
Eighth Annual NCGOA Spring Institute, Vanderbilt University. *May 2010*
Operator Algebra Seminar, University of Tokyo. *July 2010*
2010 Fall AMS Western Sectional Meeting, UCLA. *Oct. 2010*
Subfactor Seminar, UC Berkeley. *Oct. 2010*
Subfactor Seminar, Vanderbilt University. *Oct. 2010*
AMS/MAA Joint Annual Meeting, New Orleans. *Jan. 2011*
Group Actions on Measure Spaces Conference, Texas A&M, *March 2011*

ADDITIONAL
EXPERIENCE:

Organizer of UCLA Student Operator Algebras seminar (2009-2011)

President of UCLA Math Graduate Student Organization (2008-2010)

PAPERS:

T. Mattman, J.O. Sizemore, *Bounds on the Crosscap Number of Torus Knots*. *Journal of Knot Theory and its Ramifications*. 16 (2007), no. 8, 1043-1051.

K. Mahdavi, B. Nguyen, R. Ranalli, J.O. Sizemore, A. Stout, C. Swanson, *Finite C -groups*. *Glob. J. Pure Appl. Math.* 3 (2007), no. 1, 19–26.

I. Chifan, S. Popa, J.O. Sizemore, *OE and W^* -Rigidity Results for Actions of Wreath Product Groups*. (2011), *Preprint*, arXiv:1110.2151v1, *Submitted to Journal of Functional Analysis*.

J.O. Sizemore, A. Winchester, *A Unique Prime Decomposition Result for Wreath Product Factors*. (2011), *Preprint*, arXiv:1110.3389v1, *Submitted to Pacific Journal of Mathematics*.

TEACHING:

I have been a teaching assistant for the following courses:

- Differential and Integral Calculus, Math 31A, (Fall 2006)
- Calculus for Life Sciences Students, Math 3b, (Winter, Spring 2007)
- Introduction to Discrete Structures, Math 61, (Fall 2007)
- Linear Algebra, Math 115b, (Winter 2008)
- Complex Analysis for Applications, Math 132, (Spring 2008, Spring 2009))
- Calculus for Life Sciences Students, Math 3a, (Summer 2008)
- Linear Algebra, Math 115a, (Fall 2008)
- Analysis, Math 131am (Winter 2009)
- Calculus of Several Variables, Math 32a, (Winter 2011)
- Differential Equations, Math 33b, (Winter 2011)