

Steven D. Wallace

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EDUCATION

<i>Louisiana State University, Baton Rouge, LA</i> Ph.D. student in Mathematics Dissertation: "Surgery description of colored knots"	2004-2008
<i>Rice University, Houston, TX</i> M.A. in Mathematics Thesis: "Homomorphic images of knot quandles"	2004
<i>UCLA, Los Angeles, CA</i> B.S. Mathematics, Specialization in computing	2001

AWARDS

• Graduate student teaching award, LSU	Spring 2008
• Graduate student teaching award, LSU	Fall 2005
• Graduate assistant enhancement, LSU	2004-2008
• Magna Cum Laude, UCLA	2001
• Golden Key, Phi Beta Kappa Honor Societies, UCLA	2000, 2001

TEACHING EXPERIENCE

<i>Technical University of Denmark, Lyngby, Denmark</i> Co-Coordinator – Knot Theory Developed syllabus and overall course structure for week-long lecture series.	Summer 2007
<i>Louisiana State University</i> Instructor – College Algebra, Calculus I and II Developed syllabus and overall course structure, and administered all grades. Taught both "traditional" and "R2R" formats of College Algebra	2004-2008
Teaching Assistant – Abstract Algebra, Business Calculus, Trigonometry Led recitation sections and/or graded homework and tests.	2004-2007
<i>Rice University</i> Teaching Assistant – Ordinary Differential Equations., Multi-Variable Calculus, General Topology, Graduate Abstract Algebra I and II Led recitation sections and/or graded homework and tests.	2001-2004
<i>University of California, Los Angeles</i> Calculus tutor – Calculus I and II, Multivariable Calculus Led recitations in University sponsored tutoring lab.	1999-2001

CONFERENCES ATTENDED AND TALKS GIVEN

Conferences

- *May 2008: AMS Sectional Meeting, Claremont, CA (talk title: A4-colored knots and their surgery equivalence)*
- *April 2008; "Knots in Washington," Washington, D.C. (talk title: A4-colored knots and their surgery equivalence)*

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- *March 2008: AMS Sectional Meeting, Baton Rouge, LA (talk title: Surgery description of colored knots)*
 - *January 2008; AMS/MAA Joint Mathematics Meetings, San Diego, CA (talk title; Surgery description of colored knots)*
 - *December 2007; "Knots in Washington," Washington, D.C. (talk title: Surgery equivalence invariants of colored knots)*
 - *June 2007: "A second time around the Volume Conjecture," Baton Rouge, LA*
 - *January 2007: AMS/MAA Joint Mathematics Meetings, New Orleans, LA*
 - *October 2006: Texas Geometry and Topology Conference, Houston, TX*
 - *February 2005: Port City Topology Conference, Mobile, AL*
 - *February 2004: Texas Geometry and Topology Conference, Fort Worth, TX*
 - *February 2002: Texas Geometry and Topology Conference, College Station, TX*

Selected Seminar Talks

- *Spring 2008; Campbell University, "Colored knots and coffee cups"*
- *Spring 2008; Austin College, "Untying colored shoelaces"*
- *Fall 2007; LSU Topology Seminar, "3-colored untying of knots"*
- *Fall 2007; LSU-Iowa Virtual Seminar, "Surgery equivalence invariants of colored knots"*
- *Fall 2004: LSU Graduate Student Seminar, "Representations of knot quandles"*
- *Spring 2005: LSU Communicating Mathematics Seminar, "Notes on the classification of finite quandles"*
- *Fall 2003: Rice Topology Seminar, "Some knot invariants derived from quandles and keis"*
- *Spring 2004: Master thesis defense, "Homomorphic images of knot quandles"*
- *Spring 2003: Rice Current Math Seminar, "Intro to the Poincare conjecture"*

PUBLICATIONS AND PAPERS

- "Surgery description of colored knots"
Joint with R.A. Litherland to appear in *Algebraic & Geometric Topology*.
- "Homomorphic images of knot quandles"
Master thesis.

LANGUAGES AND OTHER RELATED SKILLS

- English – native language
- Spanish and Italian – speak, read, and write with basic competence.
- French – read with help of a dictionary.
- Mathematica, Maple – basic competence and experience.
- MyMathLab, MapleTA, Webwork – extensive experience.

MEMBERSHIPS

- American Mathematical Society