

CAROL GWOSDZ GEE

Mathematics Department
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PERSONAL INFORMATION

Citizenship: USA
Date of Birth: March 10, 1977

EDUCATION

Rice University	Doctor of Philosophy, Mathematics Thesis Advisor: Tim Cochran	May 2004
University of Dallas	Bachelor of Science, Mathematics Summa Cum Laude. Concentration in Computer Science.	May 1999

RESEARCH INTERESTS

Low Dimensional Topology, Knot Theory, AMS Subject Classification 57, 55

GRANTS AND FELLOWSHIPS

VIGRE Visiting Research Assistant Professorship, University of California -- Davis	2004-present
Research Assistantship, National Science Foundation DMS-0104275	2002-2004
Teaching Assistantship, Rice University Mathematics Department	1999-2004
Summer Research Assistantship, Rice University Mathematics Department	1999-2003
Research Experience for Undergraduates, NSF/Williams College	Summer 1998
Barry M. Goldwater Fellowship	1998-1999

OTHER HONORS

Ranked Second in Graduating Class, University of Dallas	May 1999
Senior Honors Award, University of Dallas Mathematics Department	May 1999
Best Poster Prize, Undergraduate Student Poster Session, AMS-MAA Annual Meeting	January 1999
Phi Beta Kappa	inducted Spring 1998

TEACHING EXPERIENCE

Instructor

- Short Calculus (A), U.C.-Davis, Fall 2004
- Calculus II, Rice University, Summer 2003
- MATLAB-based Ordinary Differential Equations, Rice University, Fall 2002
- Calculus I, Rice University, Summer 2002
- Introduction to Analysis Problem Session, University of Dallas, Fall 1998

Teaching Assistant

- Calculus, Differential Equations, Vector Calculus, Geometry, General Topology, Geometric Topology; Rice University, 1999-present.
- Calculus, Linear Algebra, Introduction to Computer Science (C++), Math Lab Tutor; University of Dallas, 1996-1999.

Training

- Graduate Teaching Seminar, 1999-2002
- GSA Graduate Teaching Workshop Certification Program, 1999-2003

Private Tutoring, 1997 - present

- High School Algebra, Geometry, Calculus
- GRE preparation

RESEARCH PUBLICATIONS

C. Gee. *Strong S-equivalence of ordered links*, math.GT/0409440. submitted to *Geometry & Topology*.
 C. Gee and C. Leidy. *Rational Groves*, in preparation.

SELECTED TALKS

Strong S-equivalence of Ordered Links. Knots and their Manifold Stories Workshop, Banff, May 2004.
The Doubled-Delta Move on Ordered Links, AMS-MAA Joint Meetings, Phoenix, January 2004.
The Doubled-Delta Move on Ordered Links, Borders in 3-Dim Topology, Ohio State, December 2003.
Strong S-equivalence of Ordered Links, Topology Seminar, Rice University, October 2003.
A Crash Course in Topology, Rice University, September 2003.
Grope Cobordisms and Clasper Surgery, Topology Seminar, Rice University, April 2003.
Groves and Claspers, Rice University, October 2002.
The Dirac String Problem, Rice University, October 2001.
The Word Problem in Combinatorial Group Theory, Rice University, March 2001.
Rational Surgery and Homology Spheres, Rice University, November 2000.
Alternative Teaching Strategies – A modified Moore method, Rice University, February 2000.
The Non-compact Hyperbolic 3-manifold of Minimal Volume, Rice University, March 2000.
Maximal Volume Minimal Cusps, AMS-MAA Joint Meetings, San Antonio, January 1999.
Hyperbolic Knots and Links, Joint MAA-PIE Conference, Toronto, July 1998.

CONFERENCES AND WORKSHOPS ATTENDED

Knots in Vancouver	Summer 2004
Knots and their Manifold Stories Workshop, Banff	Spring 2004
AMS/MAA Joint Meetings, Phoenix	Winter 2004
Borders in 3-Dimensional Topology, Ohio State University	Fall 2003
Texas Geometry and Topology Conference	Fall 2003
Spring Topology and Dynamics Conference, Austin	Spring 2002
AMS/MAA Joint Meetings, San Diego	Winter 2002
CRM Workshop on Geometric Group Theory, Montreal	Summer 2001
Georgia Topology Conference, Athens	Summer 2001
AMS/MAA Joint Meetings, New Orleans	Winter 2001
AMS/MAA Joint Meetings, San Antonio	Winter 1999
Joint MAA-PIE Conference, Toronto, July 1998	Summer 1998

ADDITIONAL INFORMATION

Computer experience: MATLAB, Maple, Mathematica, Snappea, C, Tcl, Sql, HTML, T_EX, WebCT, Windows, UNIX, Macintosh

Administrative Positions:

- Student representative to Math Department Graduate Committee, 2001-present
- Rice Graduate Student Association representative, 2000-2002
- Head teaching assistant for Ordinary Differential Equations, Fall 2001

Professional Memberships: AMS, AWM

Language skills: Italian, some French

Other Interests: Travel, Bicycling, Rock-Climbing, Music

REFERENCES

Tim Cochran (thesis advisor)	cochran@math.rice.edu	713-348-5265
Ted Stanford	stanford@nmsu.edu	505-646-3901
John Hempel	hempel@math.rice.edu	713-348-5126
John Polking (teaching)	polking@math.rice.edu	713-348-4841