

CURRICULUM VITA
STACEY MUELLER
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Address

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Current Position

Teaching Assistant at the University of Kentucky.

Education

- Ph.D. Program, Mathematics, University of Kentucky, expect to graduate May 2004.
- M.A. in Mathematics, University of Kentucky, December 1999.
- B.S. in Mathematics (Honors Program, summa cum laude, second major: psychology), Rockhurst College, May 1998.

Honors

- Received the University of Kentucky Commonwealth Research Award, January 2004. This is a nomination only competitive annual award designed to promote the development of graduate students as researchers and scholars.
- Inducted to Alpha Sigma Nu, a Jesuit honor society, while at Rockhurst College.

Research

- Interests: Geometric function theory of one complex variable.
- Professional Meetings:
 - Giving a talk on geometric and subordination properties of solutions of a differential equation in a modern function theory special session at the American Mathematical Society (AMS) and Mathematical Association of America (MAA) joint national mathematics meetings in Phoenix, January 10, 2004.

- Gave a talk on harmonic de la Vallée means and preservation of geometric properties of convolutions of harmonic functions at the AMS/MAA joint national mathematics meetings in Baltimore, January 2003.
- Gave a talk on an extension of convolution properties to harmonic functions on the punctured disk at the AMS/MAA joint national mathematics meetings in San Diego, January 2002 to participants of the Summer Program for Women in Mathematics.
- Attended the AMS/MAA joint national mathematics meetings in New Orleans, January 2001.
- By invitation, sat on a panel on summer research opportunities for undergraduate mathematics majors at the MAA Kentucky sectional meetings in Richmond, March, 2000.
- Attended the AMS/MAA joint national mathematics meetings in Washington, D.C., January 2000.
- Attended the AMS/MAA joint national mathematics meetings in Baltimore, January 1998.

Fellowships

- Supplementary academic fellowship at the University of Kentucky during academic year 1998 – 1999.

Employment History

- August 1998 – present: Teaching Assistant, University of Kentucky Department of Mathematics.
 - Recitation leader of Calculus II. (2 semesters)
 - Workshop leader of MathExcel for Calculus I and Calculus II.
Involves an intensive group work oriented approach to Calculus I and II. Wrote worksheets and ran six hour workshops each week. Supervised two undergraduate student assistants.
 - Primary instructor of:
 - * College Algebra (3 semesters)
 - * Calculus I (2 semesters)
 - * Calculus II
 - * Calculus III
 - * Calculus IV (Differential Equations, 2 semesters)
 - * Matrix Algebra and Applications (2 semesters)
 - * Mathematics for Elementary Teachers

Service activities include:

- Appointed to the Graduate Student Council by the director of graduate studies, 2002-2003.

- Started and organized graduate student colloquium series, Spring 2003- present.

Workshops

- December 2003, attended a workshop on developing and implementing a web-based homework system as part of a Communicating Mathematics NSF grant at the University of Kentucky.
- August 1999, participated in a training workshop at the University of Texas for their Emerging Scholars Program in Mathematics.
- Fall 1998, participated in a cross-disciplinary college teaching seminar offered by the Learning Services Center at the University of Kentucky for first time teaching assistants.

Other Professional Activities

- During Summer 2002 and Summer 2003, I was responsible for the recruitment and acceptance of incoming freshmen to the MathExcel program at the University of Kentucky.

Professional Organizations

- American Mathematical Society
- Association for Women in Mathematics

References

- Dr. Ted Suffridge, thesis advisor
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