

# CURRICULUM VITAE

**Erin E. Chamberlain**

## Personal:

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Citizenship: USA

## Education:

|                 |                   |  |
|-----------------|-------------------|--|
| PhD Mathematics | expected May 2008 | University of Utah (Paul Roberts, Advisor) |
| MS Mathematics  | May 2004          | University of Utah                         |
| BS Mathematics  | April 2000        | Brigham Young University                   |

## Research Interests:

Commutative Algebra, Homological Algebra  
Thesis Title: Modules with prescribed intersection properties

## Employment:

|                    |                       |                          |
|--------------------|-----------------------|--------------------------|
| Research Assistant | Spring 2008           | University of Utah       |
| Teaching Fellow    | Spring–Fall 2007      | University of Utah       |
| Research Assistant | Fall 2006             | University of Utah       |
| Teaching Fellow    | Fall 2004–Spring 2006 | University of Utah       |
| Teaching Assistant | Fall 2002–Summer 2004 | University of Utah       |
| Research Assistant | Fall 1999–Spring 2000 | Brigham Young University |
| Teaching Assistant | Spring 1999           | Brigham Young University |
| Grader             | Fall 1998             | Brigham Young University |

**Seminar Talks:**

- Feb. 2008 *Serre's vanishing conjecture for non-regular rings*, Department Colloquium, Brigham Young University
- Feb. 2008 *Tropical Mathematics and the fundamental theorem of tropical algebra*, Undergraduate Colloquium, Seattle University
- Feb. 2008 *Modules with prescribed intersection properties*, Algebra and Algebraic Geometry Seminar, University of Washington
- Jan. 2008 *Modules with prescribed intersection properties*, AMS Joint Mathematics Meeting, San Diego, CA
- Nov. 2007 *Modules with prescribed intersection properties II*, Commutative algebra seminar, University of Utah
- April 2007 *Modules with prescribed intersection properties I*, Commutative algebra seminar, University of Utah
- Oct. 2006 *Modules of finite projective dimension over complete intersections*, Commutative algebra seminar, University of Utah
- Sept. 2006 *The geometry of commutative algebra*, Graduate colloquium, University of Utah
- March 2006 *The monomial conjecture and Cohen-Macaulay canonical modules—a paper by Le Thanh Nhan, part II*, Commutative algebra seminar, University of Utah
- March 2006 *The monomial conjecture and Cohen-Macaulay canonical modules—a paper by Le Thanh Nhan, part I*, Commutative algebra seminar, University of Utah
- April 2005 *Modules of finite length and finite projective dimension—a paper by P. Roberts and V. Srinivas*, Commutative algebra seminar, University of Utah

**Grants/Awards:**

*VIGRE grant:* To promote interaction among members of the community at all levels.

Duties:

- Coordinate mentors for the prelim boot camps.
- Mentor the students preparing for the Algebra prelim.
- Help with Math Circle, a high school mathematics program.
- Mentor for the ACCESS program, an eight week course for incoming freshmen women in the sciences.

*Outstanding Graduate Student Award:* (2005) Based on excellence in teaching and progress through the graduate program.

**Conferences Attended:**

- Jan. 2008 AMS Joint Mathematics Meeting, San Diego, CA  
 Oct. 2006 AMS sectional meeting, Salt Lake City, Utah  
 May 2006 Homological conjectures in Commutative Algebra, Conference in Honor of Paul Roberts' 60th Birthday, Snowbird, Utah  
 June 2005 Summer school in Commutative Algebra for graduate students: Local cohomology and its interactions with Algebra, Geometry, and Analysis, Snowbird, Utah  
 June 2004 Mini-course on Classical problems in Commutative Algebra, Salt Lake City, Utah

**Teaching:**

|           |                         |                          |
|-----------|-------------------------|--------------------------|
| Math 3210 | Foundations of Analysis | Fall 2007, Summer 2007   |
| Math 2210 | Calculus III            | Summer 2004              |
| Math 1220 | Calculus II             | Fall 2004, Fall 2003     |
| Math 1210 | Calculus I              | Spring 2004              |
| Math 1100 | Quantitative Analysis   | Spring 2003              |
| Math 1090 | Business Algebra        | Summer 2005, Fall 2002   |
| Math 1060 | Trigonometry            | Spring 2005, Summer 2003 |
| Math 1050 | College Algebra         | Spring 2007              |

**Professional Activities:**

|   |           |
|---|-----------|
| President of the AWM student chapter              | 2004–2007 |
| Co-Founder and Vice-president AWM student chapter | 2003–2004 |

**Professional Memberships:**

AMS  
 AWM

**References**

Paul Roberts  
 Anurag Singh  
 Nathan Smale  
 Nick Korevaar