

Michael Broshi

Curriculum Vitae

Department of Mathematics
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Citizenship

United States

Research Interests

Galois representations

Education

- 2002– **The University of Chicago**, Chicago, IL
Ph.D. in Mathematics, expected June 2008.
M.S. in Mathematics, June 2004.
- 1998–2002 **University at Albany**, Albany, NY
M.A. in Mathematics, June 2002
B.A., December 2001 : Summa Cum Laude

Conference and Seminar Presentations

1. Midwest Graduate Student Number Theory Conference, University of Wisconsin-Madison, November 3rd, 2007.
2. Center for Teaching and Learning Workshop, University of Chicago, “Strategies for Improving Your Teaching,” September 19th, 2007.
3. Number Theory and Algebraic Geometry Graduate Student Seminars, University of Chicago, several seminar talks.

Awards and Scholarships

1. PSCD Prize for Excellence in Teaching, 2007
2. Lawrence and Josephine Graves Lectureship Award, 2006
3. Academic Excellence in Mathematics (from the University at Albany), 2002
4. Phi Beta Kappa, 2002

Undergraduate Teaching

- 2007– **Lecturer** in Mathematics, University of Chicago
IBL Analysis in \mathbb{R}^n
- 2006 **Lecturer** in Mathematics, University of Chicago
Studies in Mathematics: Number Theory
- 2005–2006 **Lecturer** in Mathematics, University of Chicago
Studies in Mathematics: Number Theory and Geometry
- 2004–2005 **Lecturer** in Mathematics, University of Chicago
Elementary Functions and Calculus
- 2003–2004 **College Fellow** in Mathematics, University of Chicago
Honors Algebra, mentors: Niels Nygaard, Matam Pavaman Murthy
- 2002 **Lecturer** in Mathematics, University at Albany
Calculus I

Mathematics Education Related Teaching

- 2007 **Mentor** in Mathematics, University of Chicago
Research Experience for Undergraduates
- 2005 **Teacher** in Mathematics, Bernard Zell Anshe Emet Day School
After school enrichment program for gifted middle school students
- 2005 **Guest Teacher** in Mathematics, Hinton Elementary School (Chicago Public Schools)
Bi-weekly enrichment classes on a variety of middle school mathematics subjects
University of Chicago Polk Brothers Mathematics Program
- July 2005 **Teaching Assistant** in Mathematics, University of Chicago
The Open Ended Approach in Mathematics Education
University of Chicago Polk Brothers Mathematics Program
- 2003-2007 **Speaker** for Graduate Warm-Up Program, University of Chicago
- 2003-2007 **Mentor** for undergraduates in the Directed Reading Program, University of Chicago
Projects led: elementary number theory, dynamics, game theory, elliptic curves, algebraic number theory

Related Service

- 2007– **Teaching Consultant**, Center for Teaching and Learning, University of Chicago
- 2005–2006 **Organizer**, Junior Number Theory Seminar, University of Chicago
- 2004–2006 **Committee Member**, Directed Reading Program, University of Chicago
- 2003–2004 **Organizer**, Graduate Student (“Pizza”) Seminar, University of Chicago

Other Conferences and Programs Attended

1. Modularity for $GL(2)$ and Beyond, MSRI, October 30-November 3, 2006.
2. Special semester on eigenvarieties, University of Harvard/Clay Mathematics Institute, April 15-May 15, 2006.
3. Galois Representations, Université Louis Pasteur/IRMA, July 4-8, 2005.
4. Midwest Number Theory Conference, University of Chicago, October 23-24, 2004.

Professional Affiliations

American Mathematical Society
Mathematical Association of America
Association for Women in Mathematics