

JASON W. ELLIOT
CURRICULUM VITÆ

1806 Park Haven Drive
Champaign, IL 61820

(217) 778-3113
jason.elliott@gmail.com
www.math.uiuc.edu/~jelliott2

Research Interests

Finite nilpotent groups, extensions of groups, group homology and cohomology, representation theory, algebraic topology, finite geometry.

Education

Ph.D. in Mathematics

University of Illinois at Urbana-Champaign

Dissertation: *Central Extensions of Divisible Groups by Abelian Groups*

Advisor: Derek J. S. Robinson

August 2010
(expected)

M. S. in Mathematics

University of Colorado at Denver

Master's Thesis: *Abelian Extensions of \mathbb{Q}*

Advisor: Stan Payne

May 2005

B. S. in Mathematics, *summa cum laude* and *with distinction*

University of Colorado at Denver

Honor's Thesis: *Elliptic Curves*

Advisor: Stan Payne

May 2002

Publications

Central extensions of divisible groups by abelian groups, in preparation.

Invited Talks

AMS/MAA Joint Mathematics Meeting, Group Theory II session , San Francisco, CA <i>Central extensions of divisible groups.</i>	January 2010
Zassenhaus Group Theory Conference , Lancaster, PA <i>Central extensions of divisible groups by abelian groups.</i>	May 2009
Ohio State - Dennison Mathematics Conference , Columbus, OH <i>Central extensions of divisible groups by abelian groups.</i>	May 2008
Symposium to Honor Derek Robinson , Montgomery, AL <i>Central extensions of divisible groups by abelian groups.</i>	March 2008
Group theory seminar , UIUC <i>Central extensions of divisible abelian groups II</i>	1 Nov 2007
Group theory seminar , UIUC <i>Central extensions of divisible abelian groups I</i>	25 Oct 2007
Graduate Student Geometry and Topology Seminar , UIUC <i>Group (co)homology with twisted coefficients II</i>	1 Oct 2007
Graduate Student Geometry and Topology Seminar , UIUC <i>Group (co)homology with twisted coefficients I</i>	24 Sept 2007
Graduate Student Geometry and Topology Seminar , UIUC <i>Group (co)homology and Eilenberg–Mac Lane spaces</i>	26 April 2007

Other Attended Conferences

MSRI program Representation Theory of Finite Groups and Related Topics	Jan - May 2008
MSRI program Combinatorial Representation Theory	Jan - May 2008

Teaching and Instruction

- Finite Mathematics** (Math 124) Fall 2008
University of Illinois at Urbana-Champaign
Full course responsibilities
- Calculus 3** (Math 241) Fall 2007
University of Illinois at Urbana-Champaign
recitation: responsibilities included lecturing, writing quizzes and grading quizzes and exams.
- Calculus 2** (Math 231) Spring 2007
University of Illinois at Urbana-Champaign
tutoring lab assistant
- Basic Algebra** (Math 012) Spring 2007
University of Illinois at Urbana-Champaign
recitation: primary responsibility was working example problems
- Calculus 3** (Math 241) Fall 2006
University of Illinois at Urbana-Champaign
recitation: responsibilities included lecturing, writing quizzes and grading quizzes and exams.
- Basic algebra review seminar** 8/2004 - 5/2005
University of Colorado at Denver
Instructor of a seminar aimed at students preparing to take an entrance exam for College Algebra
- Mathematics tutoring and computing lab** 8/2003 - 5/2005
University of Colorado at Denver
Tutoring at levels ranging from fundamentals to graduate level, including real analysis, linear algebra, differential equations, abstract algebra, number theory, optimization, graph theory, discrete math, logic, probability, calculus, business math, and elementary algebra.
- Mathematics Tutor** 10/2000 - 3/2001
Community College of Denver Vocational Tutoring Services

Other Professional Experience

Computer Systems Administrator

3/2001 - 8/2001

University of Colorado at Denver Department of Mathematics
General management of the servers, office computers, lab computers, and networking of all of these. Both UNIX and Windows platforms were used; the servers ran on UNIX. The job included management of roughly 200 user accounts.

Honors and Awards

Recipient, Dissertation Completion Fellowship

University of Illinois at Urbana-Champaign

Fall 2009 -
Summer 2010

Recipient, Bourgin Fellowship

University of Illinois at Urbana-Champaign

Spring 2009

Recipient, Bourgin Fellowship

University of Illinois at Urbana-Champaign

Spring 2008

Named to the List of Teachers Ranked Excellent by Their Students

University of Illinois at Urbana-Champaign

Fall 2007

Recipient, REGS Fellowship

University of Illinois at Urbana-Champaign

June 2006

Recipient, Dean's List Scholarship

University of Colorado at Denver

Spring 2002

Received the highest score on the W. L. Putnam exam at UCD

University of Colorado at Denver

December 2001

Recipient, Dean's List Scholarship

University of Colorado at Denver

Fall 2001

Inducted, Golden Key International Honour Society

University of Colorado at Denver

October 2001

Professional Organizations

Mathematical Association of America
American Mathematical Society

Computer Languages

C++
FORTRAN
UNIX
HTML
 $\mathcal{A}\mathcal{M}\mathcal{S}$ - $\mathcal{L}\mathcal{A}\mathcal{T}\mathcal{E}\mathcal{X}$

Languages

German (*proficient reading skills*)
French (*proficient reading skills*)
Latin (*fair reading skills*)