

Sarah A. Crown

CONTACT INFORMATION

Department of Mathematics and Computer Science
P.O. Box 810
Denison University
Granville, OH. 43023

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EDUCATION

University of Michigan, Ann Arbor, MI

Ph.D. in Mathematics, August 2007

Dissertation: "The Homology of the Cyclic Coloring Complex of Simple Graphs"

Advisor: Philip J. Hanlon

Bryn Mawr College, Bryn Mawr, PA

A.B. with Honors in Mathematics, May 2002

Magna Cum Laude

PROFESSIONAL APPOINTMENTS

Assistant Professor, Denison University, August 2007 - present

Graduate Student Instructor, University of Michigan, September 2002 - April 2007

PUBLICATION

S. Crown, The Homology of the Cyclic Coloring Complex of a Simple Graph. (Submitted to Journal of Combinatorial Theory, Series A.)

PRESENTATIONS

S. Crown, The Cyclic Coloring Complex, Project NExT/YMN Poster Session, AMS/MAA Joint Meetings, San Diego, January 2008.

S. Crown, Coloring Complexes, Kenyon College, October 2007.

S. Crown, Tilings and Partitions, Denison University, October 2007.

S. Crown, The Homology of the Cyclic Coloring Complex of Simple Graphs, University of Indiana, October 2007.

S. Crown, The Homology of the Cyclic Coloring Complex of Simple Connected Graphs, Bryn Mawr College, September 2006.

PROFESSIONAL SERVICE

Member of the Committee on Student Members of the Ohio Section of the Mathematical Association of America, 2007-2010.

Graduate Student Instructor, Michigan Math and Science Scholars, July 2004, 2005

SCHOLARSHIPS
AND AWARDS

Project NExT Fellow, Mathematics Association of America, August 2007 - August 2008.
Alumni Scholarship, Department of Mathematics, University of Michigan, May 2005, 2006
Carroll V. Newsom Scholarship, Department of Mathematics, University of Michigan, May 2004

COURSES TAUGHT

Math 331: Combinatorics, Denison University, Fall 2007
Math 121: Essentials of Calculus, Denison University, Fall 2007
Math 116: Calculus II, University of Michigan - Ann Arbor, Winter 2007 and Fall 2004
Course Coordinator, Math 115, University of Michigan - Ann Arbor, Winter 2005
Math 115: Calculus I, University of Michigan - Ann Arbor, Winter and Fall 2003, Fall 2005
Math 105: Data, Functions, and Graphs, University of Michigan - Ann Arbor, Fall 2002

PROFESSIONAL
MEMBERSHIPS

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

COMPUTER
TECHNICAL
EXPERTISE

C++, Maple, Mathematica

CONFERENCES
ATTENDED

Project NExT Workshop/Math Fest, San Jose, CA., August, 2007.
SMPosium, Carleton College, Northfield, MN., June 2007.
The Art of Teaching Mathematics, Harvey Mudd College, Claremont, CA., June 2007.
CS1 Workshop, Denison University, Granville, OH., June 2007.
Park City/IAS Mathematics Institute, Graduate Summer Session, Geometric Combinatorics, Park City, UT., July 2004
Retrospective in Combinatorics: Honoring Richard Stanley's 60th Birthday, MIT, Cambridge, MA., June 2004
AMS/MAA Joint Meetings, San Diego, January 2002