

Angela L. Kohlhaas

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Education

Ph.D. Mathematics, University of Notre Dame, 2010

M.S. Mathematics, University of Notre Dame, 2007

B.A. Mathematics, Wartburg College, 2005

B.A. Music, Wartburg College, 2005

Teaching Experience

Assistant Professor and Instructor 2010–present
Loras College Dubuque, IA

At Loras College, I have taught classes at a variety of levels, including College Algebra, Pre-calculus, Calculus I, II, and III, Discrete Mathematics, Linear Algebra, Modern Geometry, and Modern Algebra. In addition to regular coursework, I have led independent studies in Accelerated Calculus and Modern Geometry.

Instructor and Teaching Assistant 2006–2009
University of Notre Dame South Bend, IN

At the University of Notre Dame, I was the instructor for first and second-semester calculus courses for scientists and engineers. I was a teaching assistant for a variety of calculus courses, including honors calculus and multivariable calculus, as well as a linear algebra and differential equation course.

Research

Undergraduate Reserach Adviser 2010–present
Loras College Dubuque, IA

Nicole Feldhaus	Determinants of Sudoku	2012–2013
Logan Benson	Projective geometry in perspective art	2012–2013
Katie Burke	Reduction numbers of monomial ideals	2011–2012
Mary Bohlke	Paper-folding geometry	2010–2011

Research Assistant 2006–2010
Claudia Polini University of Notre Dame

Studied cores of ideals in polynomial rings and their relationship to the adjoint of an ideal. My methods are largely combinatorial, involving polyhedral geometry and the analysis of Hilbert coefficients.

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Papers

Symmetry of the core of a monomial ideal, A. Kohlhaas and B. Smith, in preparation.

The core and the adjoint: a condition for equality, A. Kohlhaas, in preparation.

Presentations

MAA Section Meeting	Simpson College	October 2012
Bi-State Math Colloquium	Loras College	February 2012
MAA Section Meeting	Coe College	October 2010
AMS Section Meeting	University of New Mexico	April 2010
AMS Section Meeting	University of Kentucky	March 2010
Bi-State Math Colloquium	Loras College	February 2010
Joint Meetings AWM Poster Session	San Francisco, CA	January 2010
Algebraic Geometry Seminar	University of Iowa	December 2009
Departmental Seminar	Wartburg College	November 2009
AMS Section Meeting	Florida Atlantic University	October 2009
AMS Section Meeting	Penn State	October 2009
PASI Poster Session	Olinda, Brazil	August 2009
Commutative Algebra Seminar	Purdue University	April 2009
Commutative Algebra and Algebraic Geometry Seminar	University of Notre Dame	February 2009
Graduate Student Seminar	University of Notre Dame	April 2008

Recent Awards

Project NExT Fellow	2011 – 2012
MAA and Exxon Mobil	Lexington, KY

Recent Conferences and Workshops

Iowa MAA Meeting/Iowa NExT Workshop	Wartburg College	October 2013
Iowa MAA Meeting/Iowa NExT Workshop	Simpson College	October 2012
MathFest and Project NExT Workshop	Madison, WI	August 2012
AMS Section Meeting	University of Kansas	March 2012
Joint Meetings	Boston, MA	January 2012
Commutative Algebra and Algebraic Geometry Conference	UIUC	November 2011
Iowa MAA Meeting/Iowa NExT Workshop	Central College	October 2011
MathFest and Project NExT Workshop	Lexington, KY	August 2011
Midwest Commutative Algebra and Geometry Conference	Purdue University	May 2011
Midwest Undergraduate Mathematics Symposium	Simpson College	April 2011
AMS Section Meeting	University of Notre Dame	November 2010
Iowa MAA Meeting/Iowa NExT Workshop	Coe College	October 2010

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Service

Organizer, Loras GPML High School Math Competition, 2013–present
Organizer, Bi-State Math Colloquium, Loras College, 2010–present
Member, Iowa NExT Steering Committee, 2011–present
Cast Member, Faculty/Staff Play, Loras College, 2012–present
Section Leader and Accompanist, Cathedral Choir, Dubuque, 2011–present
Faculty Secretary, Loras College, 2011–2013
Math Club Adviser, Loras College, 2011–2013
Applied Piano Instructor, Loras College, 2012
Organizer, Iowa NExT Workshop, Simpson College, October 2012
Co-organizer, Project NExT panel on interdisciplinary courses, MathFest, Madison, August 2012
Assistant Instructor of Ultimate Frisbee, Loras All Sports Camp, Summer 2012
Abstracts Judge, Young Mathematician's Conference, The Ohio State University, Summer 2012
Participant, Faculty Talent Show, Loras College, Spring 2012
Search Committee Member, Math program, Loras College, 2011–2012
Reader, Mysteries of Christmas, Loras College, December 2011
Member, Quantitative Reasoning Committee, Loras College, 2010–2011
Reader and interviewee, AWM Biographies of Women in Mathematics essay contest, 2010-2011
Session Moderator, AMS Section Meeting, University of Notre Dame, November 2010
Session Moderator, MAA Section Meeting, Coe College, October 2010

Memberships

Project NExT
Iowa Section NExT
American Mathematical Society
Mathematical Association of America
Association for Women in Mathematics