CHRISTINE BERKESCH

Curriculum Vitae

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En	nploym		capons, NIIV 00400	Homepage.	mttp.// www.matn.umm.edu/ ~eberkese		
	2013 –		University of Minnesota, Assistar	nt Professor			
			Duke University, Assistant Resea				
	2011 – 2013 Duke University, Assistant F 2012 Fall MSRI (Mathematical Science Program: Commutative			esearch Institute),	, Postdoctoral Fellow		
	2011 S	Spring	Institut Mittag-Leffler, Postdocto	oral Fellow			
	2010 -	2011	Program: Algebraic Geomet Stockholm University, NSF Inter-	-	wards applications oral Fellow (Host: Mikael Passare)		
Ed	lucation	1					
	2010	Ph.D.	Purdue University, Mathematics Thesis title: Euler–Koszul ho	•	· ·		
	2004	B.A.	Butler University, Mathematics (with Honors The	sis)		
A۷	vards a	nd grai	nts				
	2018 -	_	NSF DMS 1745638 Grant: RTG:	Combinatorics a	nd Algebra		
	2017 -				ative algebra and group actions in		
			geometry				
	2017 –				st Commutative Algebra Conference		
	2017 –	2018		rence: Local coho	omology in commutative algebra and		
			algebraic geometry				
	2015 –		NSF DMS 1549892 Grant: Upper				
	2013 –	2017		nological commut	ative algebra, polyhedral structure,		
	2013		and algebraic geometry AWM-NSF Travel Grant				
	Spring	2013		mong undorgradu	ate small course instructors at Duke		
	2012	, 2013	Banff International Research State				
	2012		AMS Mathematical Research Con				
	2012	2013	AMS—Simons Travel Grant	minumines Conab	oration Grant		
	2011 -		NSF OISE 0964985 International	Rosenreh Follows	whip Program Crant		
	2010 -	2011			of Multidisciplinary Activities		
	2009 -	2010	Bilsland Dissertation Fellowship	ed by the Office (of Withfulsciphilary Activities		
	2007	2010	Purdue University Graduate Scho	ool Summer Rese	arch Grant		
	2004 -	2006	Clare Boothe Luce Foundation Fe		WICH CIONE		
	2004	_000	Corrine Welling Scholarship	omo mormb			
	2004		Butler University Outstanding G	raduating Mather	matics Major Award		
	2000 -	2004	Lilly Endowment Community Sch				
	_000						

Joint Mathematics Meetings Undergraduate Poster Session Award (as one of top 12)

Robert D. Whitesell Award for Academic Excellence in Mathematics, Butler University

Research interests

2003

2002

Combinatorial aspects of algebra and geometry

Papers

Peer-reviewed articles

- 2018 1. (with Jens Forsgård, Laura Felicia Matusevich) On the parametric behavior of A-hypergeometric series, Trans. Amer. Math. Soc. 370 (2018), no. 6, pp. 4089–4109. arXiv:math.AG/1603.08954
- 2016 2. (with Jens Forsgård, Laura Felicia Matusevich) Hypergeometric functions for projective toric curves, *Adv. Math.* **300** (2016), 835–867. arXiv:math.AG/1412.3957
- 2015 3. (with Laura Felicia Matusevich, Uli Walther) Singularities and holonomicity of binomial *D*-modules, J. Algebra **439** (2015), 360–372. arXiv:math.AG/1308.5898
 - 4. (with Stephen Griffeth, Ezra Miller) Systems of parameters and holonomicity of A-hypergeometric systems, Pacific J. Math. 276-2 (2015), 281–286. arXiv:math.AG/1302.0048
- 2014 5. (with Stephen Griffeth, Steven V Sam) Jack polynomials as fractional quantum Hall states and the Betti numbers of the (k+1)-equals ideal, *Comm. Math. Phys.* **330** (2014), no. 1, pp. 415–434. arXiv:math.MP/1303.4126
 - 6. (with Jens Forsgård, Mikael Passare) Euler–Mellin integrals and A-hypergeometric functions, *Michigan Math. J.* **63** (2014), no. 1, 101–123. arXiv:math.CV/1103.6273
- 2013 7. (with Daniel Erman, Manoj Kummini, Steven V Sam) Tensor complexes: Multilinear free resolutions constructed from higher tensors, J. European Mathematical Society 15 (2013), no. 6, 2257–2295. arXiv:math.AC/1101.4604
 - 8. (with Daniel Erman, Manoj Kummini) Three flavors of extremal Betti tables, *Commutative Algebra*, 99–121, Springer, New York, 2013. arXiv:math.AC/1207.5707
- 2012 9. (with Daniel Erman, Manoj Kummini, Steven V Sam) Poset structures in Boij-Söderberg theory, *International Mathematics Research Notices* (2012), vol. 2012, 5132–5160. arXiv:math.AC/1010.2663
 - 10. (with Daniel Erman, Manoj Kummini, Steven V Sam) Shapes of free resolutions over a local ring, *Mathematische Annalen* **354** (2012), no. 3, 939–954. arXiv:math.AC/1105.2244
 - 11. (with Jesse Burke, Daniel Erman, Courtney Gibbons) The cone of Betti diagrams over a hypersurface ring of low embedding dimension, *J. Pure Applied Algebra* **216** (2012), no. 10, 2256–2268. arXiv:math.AC/1109.5198
- 2011 12. The rank of a hypergeometric system, Compositio Mathematica 147 (2011), no. 1, 284–318. arXiv:math.AG/0807.0453
- 2010 13. (with Anton Leykin) Algorithms for Bernstein–Sato polynomials and multiplier ideals, *ISSAC 2010*: Proceedings of the 2010 International Symposium on Symbolic and Algebraic Computation, 99–106, ACM, New York, 2010. arXiv:math.AG/1002.1475
- 2009 14. (with Laura Felicia Matusevich) A-graded methods for monomial ideals, J. Algebra **322** (2009), 2886–2904. arXiv:math.AC/0807.4306

Preprints

- 15. (with Laura Felicia Matusevich, Uli Walther) Torus equivariant *D*-modules and hypergeometric systems, 32 pages. arXiv:math.AG/1308.5901
- 16. (with Laura Felicia Matusevich, Uli Walther) On normalized Horn systems, 7 pages. arXiv:math.AG/1806.03355
- 17. (with Daniel Erman, Gregory G. Smith) Virtual resolutions for a product of projective spaces, 22 pages. arXiv:math.AG/1703.07631
- 18. (with María Cruz Fernández Fernández) The characteristic cycle and Gevrey solutions of a hypergeometric system, 20 pages.

Expository work

- Free complexes on smooth toric varieties, Mathematisches Forschungsinstitut Oberwolfach Report, 57 (2016).
- (with Frank-Olaf Schreyer) Syzygies, finite length modules, and random curves, *Commutative Algebra and Noncommutative Algebraic Geometry*, Mathematical Sciences Research Institute Publications (2015), Vol. 1, 25–52. arXiv:math.AC/1403.0581
- Boij-Söderberg theory and tensor complexes, *Mathematisches Forschungsinstitut Oberwolfach Report* **10** (2013), no. 2, pp. 1504–1506.

Lecture series, lectures, and presentations

Lecture series

2013–2014 University of Minnesota: Euler-Koszul homology and hypergeometric systems [9 hours]

2010 Oct. KTH, Stockholm: Euler-Koszul homology and hypergeometric systems [4 hours]

Invited (international audience)

2018 June Banff, Canada (BIRS): New trends in syzygies

2017 Oct. Edmonton, Canada: Canadian Western Algebraic Geometry Symposium

July Berkeley, CA: M2 Conference/Workshop

May Martha's Vineyard, MA: A View Towards Algebraic Geometry

Jan. Montréal, Canada: Combinatorial Algebra meets Algebraic Combinatorics

2016 Dec. Oberwolfach, Germany (MFO): Asymptotic Phenomena in Local Algebra

Oct. Fields Institute, Toronto, ON: Workshop on Convexity in Algebraic Geometry

July Herstmonceux Castle, East Sussex, UK: Algebraic Combinatorics and Group Actions

Apr. Banff, Canada (BIRS): Free Resolutions, Representations, and Asymptotic Algebra

2014 Sept. Levico Terme, Italy: Meeting On Combinatorial Commutative Algebra (MOCCA)

June Institut Mittag-Leffler, Djursholm, Sweden: Algebraic Geometry days in honor of Dan Laksov

2013 Dec. Hanoi, Vietnam: International Conference on Commutative Algebra and Its Interactions

July Utrecht University: Conference on Special Functions and Special Numbers for Frits Beukers

May Berlin, Germany: Syzygies in Berlin

May Oberwolfach, Germany (MFO): Constructive Homological Algebra

Mar. Kleinwalsertal, Austria: Perspectives & Emerging topics in Algebra & Kombinatorics (PEAKs)

2012 Dec. Berkeley, CA (MSRI): Combinatorial Commutative Algebra and Applications

2011 Dec. Toronto, ON (CMS): Scientific Session on Algebraic Geometry and Commutative Algebra

Apr. University of Leiden: Intercity Number Theory Seminar

Feb. Institut Mittag-Leffler, Djursholm, Sweden: Algebraic Geometry Program Seminar

2010 Oct. Freie Universität, Berlin: Algebra Seminar

Sept. KTH and Stockholm University: Algebra and Geometry Seminar

Sept. University of Barcelona: Algebra Seminar

Sept. Stockholm University: Pluricomplex Seminar

June Berkeley, CA (AMS-SMM): Special Session, Commutative Algebra, Representation Theory

Jan. Sevilla, Spain: International School of Combinatorics for Pilar Pisón-Casares

2007 Sept. Kleinwalsertal, Austria: Summer School on Hypergeometric Functions

Invited (domestic audience; not including seminars)

2018 Apr. University of Wisconsin-Madison: Departmental Colloquium

Mar. Purdue University: Mathematics Recruitment Weekend Speaker

Jan. Mathematics Project at Minnesota: Workshop for Female Undergraduates

2017 Nov. Chicago, IL (UIC): Undergraduate Mathematics Symposium

- Jan. Butler University: Departmental Colloquium
- 2016 June West Lafayette, IN: EDGE Reunion Weekend Plenary Speaker
 - Apr. Minneapolis, MN: Upper Midwest Commutative Algebra Colloquium Expository Lecture
 - Mar. Purdue University: Mathematics Recruitment Weekend Speaker
- 2015 Oct. Chicago, IL (AMS): Special Session, Commutative Algebra
 - Aug. West Lafayette, IN: Midwest Commutative Algebra Meeting
 - Jan. San Antonio, TX (JMM): Special Session, Syzygies
- 2014 Oct. Chicago, IL (AlGeCom): Algebra, Geometry, and Combinatorics Day 11
 - Oct. Moscow, ID (WAGS): Western Algebraic Geometry Symposium
 - Sept. Eau Claire, WI (AMS): Special Session, Directions in Commutative Algebra
- 2013 Oct. Philadelphia, PA (AMS): Special Session, Combinatorial Commutative Algebra
 - Aug. Fort Collins, CO (SIAM): Minisymposium on D-modules in Applied Algebraic Geometry
 - Aug. Fort Collins, CO (SIAM): Minisymposium on Algebro-geometric approaches to tensor spaces
 - Mar. Purdue University: Mathematics Recruitment Weekend Speaker
 - Jan. University of Illinois, Urbana-Champaign: Departmental Colloquium
 - Jan. North Carolina State University: Special Departmental Seminar
 - Jan. University of Notre Dame: Departmental Colloquium
- 2012 Dec. University of Minnesota: Special Departmental Seminar
 - Apr. Wake Forest University: Departmental Colloquium
 - Mar. Lawrence, KA (AMS): Special Session, Topics in Commutative Algebra
- 2011 Oct. Salt Lake City (AMS): Special Session, Computational & Algorithmic Algebraic Geometry
 - Oct. Raleigh, NC (SIAM): Minisymposium on Combinatorial Structures in Algebraic Statistics
 - Sept. Winston-Salem, NC (AMS): Special Session, Combinatorial Algebraic Geometry
 - Sept. ICERM, Providence, RI (AWM): Special Session, Algebraic Geometry, Commutative Algebra
 - June MSRI: Summer Graduate Workshop in Commutative Algebra
 - Jan. New Orleans, LA (JMM): Special Session, Combinatorial Algebraic Geometry
- 2010 Mar. Butler University: Departmental Colloquium
 - Feb. Sam Houston State University: Departmental Colloquium
 - Jan. San Francisco, CA: Joint Mathematics Meeting, Special Session, Commutative Algebra
- 2009 Apr. Raleigh, NC (AMS): Special Session, Recent Advances in Symbolic Algebra and Analysis
- 2008 Apr. Bloomington, IN (AMS): Special Session, D-modules

Seminars (domestic)

- 2018 Feb. Purdue University: Working Algebraic Geometry Seminar
 - Jan. University of Minnesota: Combinatorics Seminar
- 2017 Mar. University of Michigan: Commutative Algebra Seminar
- 2016 Oct. University of Minnesota: Introduction to Research Seminar
- 2014 Dec. University of Minnesota: Introduction to Research Seminar
 - Feb. University of Minnesota: Combinatorics Seminar
 - Jan. Texas A&M University: Geometry Seminar
- 2013 Nov. University of Wisconsin: Algebraic Geometry Seminar
 - Oct. University of Minnesota: Introduction to Research Seminar
 - Feb. Duke University: Algebraic Geometry Seminar
- 2012 Nov. San Francisco State University: Algebra, Geometry, and Combinatorics Seminar
 - Nov. Texas A&M University: Geometry Seminar
 - Sept. UC Berkeley: Commutative Algebra and Algebraic Geometry Seminar
 - Apr. North Carolina State University: Algebra and Combinatorics Seminar
 - Apr. University of North Carolina: Geometric Representation Theory Seminar

- Feb. University of Michigan: Commutative Algebra Seminar
- Jan. Texas A&M University: Algebra and Combinatorics Seminar
- 2011 Nov. North Carolina State University: Symbolic Computation Seminar
 - Jan. Stanford University: Algebraic Geometry Seminar
- 2010 Mar. Purdue University: Bridge to Research Seminar
 - Feb. University of Nebraska, Lincoln: Commutative Algebra Seminar
 - Feb. University of Nebraska, Lincoln: Mathematical Landscapes Seminar
- 2009 Nov. University of Illinois, Urbana-Champaign: Algebra-Geometry-Combinatorics Seminar
 - Oct. University of Michigan: Commutative Algebra Seminar
 - Sum. Purdue University: Multiplier Ideals Seminar
 - Apr. MSRI: Algebraic Geometry Program Graduate Student Seminar
 - Feb. Purdue University: Student Commutative Algebra Seminar
 - Feb. University of Notre Dame: Algebraic Geometry and Commutative Algebra Seminar
- 2008 Oct. Texas A&M University: Geometry Seminar
 - Oct. Purdue University: Boij-Söderberg Conjectures Seminar
 - Oct. Purdue University: Working Algebraic Geometry Seminar
 - Sum. Purdue University: Characteristic Classes Topology Seminar

Poster Presentations

- 2011 June Stockholm: Effective Methods in Algebraic Geometry (MEGA), Invited Poster Session
- 2010 Sept. Barcelona: First Swedish-Catalan Conference in Mathematics
 - Apr. Amherst, MA: Algebraic Geometry Northeastern Series (AGNES)
- 2004 Jan. Phoenix, AZ: Joint Mathematics Meetings, Undergraduate Poster Session
- 2003 Jan. Baltimore, MD: Joint Mathematics Meetings, Undergraduate Poster Session

Teaching activities

Courses taught at Minnesota

- 2019 Spring General Algebra II (Math 8202)
- 2018 Fall Topics in Algebra (Math 8300)
- 2018 Fall General Algebra I (Math 8201)
- 2018 Spring Computational Algebraic Geometry (Math 5385)
- 2018 Spring Commutative and Homological Algebra II (Math 8212)
- 2017 Fall Commutative and Homological Algebra I (Math 8211)
- 2017 Spring General Algebra II (Math 8202)
- 2016 Fall General Algebra I (Math 8201)
- 2016 Fall Introduction to Modern Algebra (Math 4281)
- 2016 Spring Calculus I (Math 1271)
- 2015 Spring Commutative and Homological Algebra II (Math 8212)
- 2014 Fall Commutative and Homological Algebra I (Math 8211)
- 2014 Spring Introduction to Modern Algebra (Math 4281)
- 2013 Fall Introduction to Modern Algebra (Math 4281)

Courses taught at Duke

- 2013 Spring Introduction to Algebraic Structures II (Math 502)
- 2012 Spring Abstract algebra (Math 121)
- 2012 Spring Honors multivariable calculus (Math 105)
- 2011 Fall Graduate course on hypergeometric systems (Math 378, 5 weeks)
- 2011 Fall Multivariable calculus (Math 103)

Courses taught at Purdue

2008 Fall Second semester business calculus (Math 224), with exam-writing responsibilities 2007 Fall First semester business calculus (Math 223), with exam-writing responsibilities

2007 Spring Algebra/trigonometry (Math 154)

2006 Fall Single-variable engineering calculus (Math 161E), recitation for at-risk students

Other teaching activities

2011 June MSRI Workshop Postdoc TA: Summer Graduate Workshop in Commutative Algebra

2009 Spring Grader for the undergraduate abstract algebra course, Purdue University

2003–2004 Butler University Mathematics Tutoring Lab Student Coordinator

2002–2004 Butler University Mathematics Tutoring Lab Tutor

Mentoring activities

Postdoctoral advisor at Minnesota

2019–2022 Patricia Klein

2018–2021 Jay Yang

Graduate student advisor at Minnesota

2016– Mike Loper

Community of Scholars Program graduate student advisor at Minnesota

2018 Lisa Nuguid

Graduate student Math Alliance mentor at Minnesota

2018– Lisa Nuguid

2017– Drisana Mosaphir, Cecily Santiago

Graduate student initial advisor at Minnesota

2018– Mahrud Sayrafi, Kayla Wright

2017– Emily Tibor

2014–2017 Cora Brown, Sunita Chepuri, Michelle Pinharry

REU undergraduate students advised at Minnesota

2018 Sum. Johnny Gao, Yutong Li, Amal Mattoo

Undergraduate senior project students advised at Minnesota

2018 Spring Kexuan Shi

2017 Spring Wavlan Hedine

2014 Fall Zach Adams, Milton Stephens IV

2014 Spring Samuel Jirele, Milton Stephens IV, Xuan Wang

Undergraduate senior thesis advised at Duke

2011–2012 Danny Thielman (following summer PRUV project under the guidance of Anne Shiu)

Mentoring program organization and participation

2017– Math Alliance and F-GAP mentor

2018 Nov. Field of Dreams Conference Panelist: How to Recruit Alliance Students

2018 Oct. GROW Conference Panelist: Different Graduate Programs

2018 Mar. Purdue University Mathematics Recruitment Weekend Speaker

2018 Jan. Mathematics Project at Minnesota: Workshop for Female Undergraduates, Speaker 2017 Oct. Field of Dreams Conference Panelist: How to Prepare for your First Academic Position

2016 June EDGE Reunion Weekend Plenary Speaker

2016 Mar.	Purdue University Mathematics Recruitment Weekend Speaker
2014-	Association for Women in Mathematics Mentor Network mentor
2014 Aug.	Interview for Girls' Angle Bulletin, a mathematical magazine for girls in grades 5-12
2014-	Leader of the Minnesota cluster of the EDGE Mentoring Network
2013-	University of Minnesota Women in Mathematics (WiM) Program
2013 Mar.	Purdue University Mathematics Recruitment Weekend Speaker
2012 – 2013	Co-founder and organizer of Math Mentqring
	A mentoring program for women in mathematics at Duke University
	(with Carla Cederbaum, Ben Cooke, Sarah Schott)
2012 Mar.	Organized North Carolina EDGE Mentoring Network Day at Duke University
2004-	Member of the EDGE Mentoring Network
2004 – 2008	Purdue University Graduate Women in Science Program

Professional service

Organizing activities for conferences and meetings

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2020 May	Minneapolis, MN: Open Problems in Combinatorics and Algebra 2020 (with B. Brubaker,
	G. Musiker, P. Pylyavskyy, V. Reiner)
2019 July	Institute for Mathematics and its Applications (IMA): Joint Sage/Macaulay2 coding
	conference (with Anton Leykin, Gregg Musiker, Anne Schilling)
2019 Apr.	Houston, TX (AWM): Special session, Combinatorial algebra (with Laura Matusevich)
2019 Jan.	Institute for Mathematics and its Applications (IMA): Macaulay 2 coding sprints (with
	Anton Leykin)
2017 Aug.	Minneapolis, MN: Local cohomology in commutative algebra and algebraic geometry
	(with Uli Walther, Wenliang Zhang)
2015-	Universities of Minnesota and Wisconsin, Iowa State: CA+, an annual weekend meet-
	ing in algebra (with Daniel Erman, Jason McCullough, formerly the Upper Midwest
	Commutative Algebra Colloquium)
2014 Sept.	Eau Claire, WI (AMS): Special session, New trends in toric geometry (with Daniel
	Erman, Hal Schenck)
2012 Feb.	Durham, NC: Triangle Lectures in Combinatorics (with Ezra Miller, Sonja Mapes)
2011 Oct.	Salt Lake City, UT (AMS): Special session, Hypergeometric functions and differential
	equations (with Laura Felicia Matusevich)
2011 Jan.	New Orleans, LA (JMM): Special session, Commutative Algebra (MRC) (with Bhargav
	Bhatt, Jason McCullough, Javid Validashti)

Journals edited

J. of Software for Algebra and Geometry

Journals refereed

Advances in Mathematics	Communications in Algebra
Compositio Mathematica	Funkcialaj Ekvacioj. Serio Internacia
International Mathematics Research Notices	J. of Combinatorial Theory, Series A
J. of Commutative Algebra	J. of Mathematical Analysis and Applications
J. of Pure and Applied Algebra	J. of Software for Algebra and Geometry
J. of Symbolic Computation	J. of the European Mathematical Society
London Mathematical Society Lecture Notes	Proceedings of the AMS
Revista Matemática Iberoamericana	Rocky Mountain J. of Mathematics
Mathematische Zeitschrift	

Professional memberships

AMS ($({ m since}2004)$	4) A	WM (sin	.ce 2006)	MAA	(since 2010)
SI(AG	$)^2$: SIAM	Activity (Group in	${\bf Algebraic}$	Geometry	(since 2010)

Seminars organized

2013– Commutative Algebra Seminar (Minnesot	ta)
2012 Fall Commutative Algebra Program Postdoc S	Seminar (MSRI)
2010 Fall Pluricomplex Seminar (Stockholm Univer	rsity)
2009 Sum. Multiplier Ideals Seminar (Purdue)	
2008 Fall Boij-Söderberg Theory Seminar (Purdue))

Committees at Minnesota

2014 – 2019	School of Mathematics Graduate Studies Committee
2017 – 2019	School of Mathematics Dunham Jackson Postdoc Search Committee
2016 – 2017	School of Mathematics Strategic Planning Committee
2015 – 2017	School of Mathematics Computer Committee
2014 – 2015	School of Mathematics Newsletter Committee
2013 – 2014	School of Mathematics Undergraduate Programs Committee

Graduate dissertation committees at Minnesota

2018	Nicole Bridgland
2016	Emily Gunawan, Heidi Goodson
2014	Alex Csar

Graduate oral exam committees at Minnesota

2018	Jorin Schug, Esther Banaian, Galen Dorpalen-Barry, Eric Stucky, Michelle Pinharry,
	Nadia Ott, Mike Loper
2017	Jimmy Broomfield
2016	Nicole Bridgland, Daniel Hess, Shelley Kandola
2014	Shannon Negaard, Heidi Goodson

Committees at Purdue

2007 – 2009	College of Science Grade Appeals Committee
2006 – 2007	Graduate Student Representative to the Department of Mathematics
2004 – 2006	Graduate Women in Science Program Leadership Team

Committees at Butler

2003–2004 College of Liberal Arts and Sciences Dean's Student Advisory Committee

Invited participation at conferences and research experiences

•	ricca participa	tion at conferences and research experiences
	2017 May	Ann Arbor, MI: Mentoring Workshop for Graduate Advisors in Mathematics
	2012 Aug.	Banff, Canada (BIRS): Syzygies in Algebraic Geometry, with an exploration of a con-
		nection with String Theory
	2010 June	Snowbird, UT: AMS Mathematical Research Communities: Commutative Algebra,
	2009 Oct.	Palo Alto, CA (AIM): Macaulay2 Conference, Implementing algebraic geometry algo-
		rithms (invited participant and developer)
	2008 June	Snowbird, UT: AMS Mathematical Research Communities: Computational Algebra
		and Convexity,
	2004 June	Atlanta, GA (Spelman): The EDGE Program for women and minorities entering grad-
		uate school in mathematics
	2003 Sum.	Indianapolis, IN: Butler Summer Institute Research Program (Mentor: Prem Sharma)
	2002 Sum.	Mount Pleasant, MI: NSF REU, Central Michigan University (Mentor: Ken W. Smith)

References

Available upon request.