

Brian P. Katz

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Citizenship: USA
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EDUCATION **The University of Texas at Austin**, Austin, Texas USA

Ph.D., Mathematics, 2011

- Thesis Topic: Tropical Hurwitz Spaces
- Advisor: David Helm

Williams College, Williamstown, Massachusetts USA

B.A., Honors Mathematics, Chemistry, and Music cum laude, June 2003

- Thesis Topic: On Completion and Tight Closure
- Advisor: Susan Loewp

TEACHING **Augustana College**

EXPERIENCE
(#SECTIONS)

- **Assistant Professor**

- HONR128 Mind and Meaning 2011(2)
- HONR123 Exact Thinking 2010/11(3)
- MATH411 Real Analysis 2010(1)
- MATH399 Directed Study 2010/11(2)
- MATH350 Modern Geometry 2009/10/11/12(4)
- MATH270 Tools of Inquiry 2010/11(4)
- MATH230 Discrete Mathematics 2009/10(4)
- MATH220 Calculus II 2009/10/12(3)
- MATH219 Calculus I 2009/10/11(4)
- MATH209 Quantitative Reasoning 2010(1)

The University of Texas at Austin

- **Assistant Instructor and Teaching Assistant**

- How Do You Know?: Evidence Models, and Proof 2008(1)
- Supervised Teaching in Mathematics (course for new math TAs) 2007(1)
- Honors Discrete Mathematics 2007/08/09(3)
- Precalculus: Instructor of Record 2006(1)
- Teaching and Learning (course for new graduate TAs) 2005(1)
- Calculus and Linear Algebra 2004(3)

PROFESSIONAL **Mathematical Association of America**

SOCIETIES American Mathematical Society
Pi Mu Epsilon
Sigma Xi
Academy of Inquiry-Based Learning
Project NExT Fellow 2009-2010 (Green09)

GRANTS, AWARDS, AND FELLOWSHIPS	AIBL Expert Users Grant (\$4500) to mentor new IBL user	2009
	Augustana Blended Learning Initiative Grant	2011
	Augustana New Faculty Research Grant	2009/11
	UT Austin Certificate in Interdisciplinary First-Year Teaching	2008
	Educational Advancement Foundation support grant	2007/08
	Frank Gerth III Teaching Excellence Award	2006
	Frank Gerth III Graduate Excellence Award	2005
	VIGRE Graduate Fellowship	2003/05

PUBLICATIONS *Distilling Ideas: An Introduction to Mathematical Thinking* (with M. Starbird), MAA Textbook Series, **Mathematics through Inquiry** sub-series (accepted 2012).

Weakly Mixing and Doubly Ergodic Infinite Measure-Preserving \mathbb{R}^d actions (with C. Silva, S. Iams, B. Street, and K. Wickelgren), *Colloq. Math.* 103 (2005), 247-264.

Abstract Algebra: Groups, Rings, and Fields (Author: Andrew Perry; Editor and Solutions Manual Author: B. Katz), Kendall/Hunt Publishing Co. (2004).

WikiTextbooks: Designing Your Course around a Collaborative Writing Project (with E. Thoren), submitted to PRIMUS.

Various Posts on [AMS Grad Student Blog](#) (Editorial Board and Contributing Author)

SELECTED
PRESENTA-
TIONS

Events Organized

- *Communicating Mathematics* MAA Contributed Paper Session (2013 JMM)
- RoundTable Discussions (2012 RLMoore Legacy Conference)
- Scholarship of Teaching and Learning Panel (for Project NExT at 2010 JMM)
- Inquiry-Based Learning Panel (for Project NExT at 2010 MathFest)

Invited Presentations

- Using Wiki Technology to Support Inquiry (2012 MAA PREP IBL Workshop)
- Expert IBL Users Panel (2012 RLMoore Legacy Conference)

Talks

- Student Mathematics in the Classroom (with students at WIU in 2011/12)
- VenSim Software and Applications of Calculus
- Pi Mu Epsilon Banquet Address (2010 at Augustana)
- Over 25 mathematical and general interest talks

SELECTED CONFERENCES AND WORKSHOPS	RLMoore Legacy Conference	2008/09/10/11/12
	AMS-MAA Joint Meetings	2007/09/10/11/12/13
	RUME SIGMAA Annual Conference	2012/13
	MAA MathFest	2002/09/10/11/12
	UT College of Natural Sciences Workshop for Teaching Strategies	2008/07
	Texas Algebraic Geometry Seminar	2008/07
	Cologne Summer School on Moduli of Curves and Arcs	2006

SELECTED
SERVICE AT
AUGUSTANA

First-year Advisor and Major Advisor
 General Education Committee
 Honors Committee
 Faculty Senate (Assistant Professor on Senate Steering Committee)
 Women and Gender Studies Advisory Board (and Assessment sub-committee)
 Faculty Advisor for Gay-Straight Alliance