John C. Meth — Curriculum Vitae

CONTACT INFORMATION	800 West 38th Street #4301 Austin, TX 78705 USA	Voice: 512-363-0048 Office Phone: 512-475-9178 Web page: www.ma.utexas.edu/users/jmeth e-mail: jmeth@math.utexas.edu

EDUCATION

Ph.D. Candidate, Mathematics   *Expected Graduation: May 2010*
University of Texas at Austin, Austin, Texas

- Dissertation Title: "Rational Embeddings of the Severi-Brauer Variety"
- Academic Advisor: David J. Saltman

B.S. in Mathematics, Minor: Computer Science   *Summer 2002*
Indiana University, Bloomington, Indiana

RESEARCH INTERESTS

My research interests include finite dimensional division algebras, Azumaya algebras, Severi-Brauer varieties, norm hypersurfaces, etale cohomology, and intersection theory.

TEACHING EXPERIENCE

Assistant Instructor, University of Texas at Austin   *Fall 2007 – Present*
Instructor of record for 4 precalculus classes, 1 foundational mathematics class

Teaching Assistant, University of Texas at Austin   *Fall 2002 – Summer 2007*

AWARDS AND HONORS

Awards at UT Austin

Frank Gerth III Teaching Excellence Award	*Fall 2009*
Sid W. Richardson Foundation Regents Fellowship / Tate Fellowship	*Summer 2006*
Bruton Fellowship	*January 2006*
R. H. Bing Fellowship in Mathematics	*Spring 2005*
Sid W. Richardson Foundation Regents Fellowship / Tate Fellowship	*June 2004*
Sid W. Richardson Foundation Regents Fellowship / Tate Fellowship	*August 2003*
Bruton Fellowship	*June 2003*

MAA Student Presentation Award at MathFest 2001

MAA student presentation at MathFest 2001	*August 2001*

Undergraduate Awards at IU Bloomington

Ruth E. Gilliatt Memorial Scholarship	*April 2002*
General Joseph O. Butcher Award	*November 2001*
Distinguished Alumni Scholarship	*November 2001*
Ruth E. Gilliatt Memorial Scholarship	*April 2001*
Margaret Edmonson Award	*April 2001*
Janet Grey Hayes Scholarship	*April 2000*

PRESENTATIONS AND TALKS	Venn Diagrams and the Logic of Sets Math Circle, University of Texas at Austin, Texas	*Fall 2009*
	Equivalence Classes in Higher Math Undergraduate Mathematics Research Group, University of Texas at Austin, Texas	*Fall 2009*
	Rational Embeddings of the Severi-Brauer Variety Algebraic Geometry Seminar, Rice University, Houston, Texas	*Fall 2008*
	Introduction to Scheme Theory (8 Lectures) Special Algebraic Geometry Seminar, University of Texas at Austin, Texas	*Spring 2007*
	Azumaya Algebras (4 Lectures) Special Junior Algebra Seminar, University of Texas at Austin, Texas	*Spring 2006*
	Polynomial Identity Rings Junior Algebra Seminar, University of Texas at Austin, Texas	*Fall 2005*
	Introduction to Algebraic Geometry Sophex Seminar, University of Texas at Austin, Texas	*Summer 2005*
	Fields of Definition Junior Algebra Seminar, University of Texas at Austin, Texas	*Spring 2005*
	A Case of Hilbert's Fourteenth Problem Algebra Seminar, University of Texas at Austin, Texas	*Spring 2005*
	Lie Algebras and Algebraic Groups Junior Algebra Seminar, University of Texas at Austin, Texas	*Fall 2004*
	Affine Algebraic Groups Junior Algebra Seminar, University of Texas at Austin, Texas	*Fall 2004*
	Representation Theory Junior Algebra Seminar, University of Texas at Austin, Texas	*Spring 2004*
	The Blow-Up Algebra Junior Algebra Seminar, University of Texas at Austin, Texas	*Spring 2004*
	Finite Groups Acting on Affine Varieties Junior Algebra Seminar, University of Texas at Austin, Texas	*Fall 2003*
	Localization and Geometry Sophex Seminar, University of Texas at Austin, Texas	*Fall 2003*
	Idempotent Cocycles on Cyclic Groups MAA Student Presentation at MathFest 2001, Madison, Wisconsin	*Summer 2001*
COMPUTER EXPERIENCE	Software: Computation of Cocycles via Lower Subtractive Graphs Available at http://php.indiana.edu/~haile/Cocycles/Cocycle.html	*Summer 2001*
	Languages: Java, PHP, Javascript, HTML	
	Mathematical Packages: Mathematica, Maple, Pari, Magma	

SERVICE	Volunteer Tutor at Any Baby Can	*July 2009–Present*

Tutored disadvantaged children and parents in literacy, Math, and English.

Seminar Organizer for SOPHEX *Fall 2004–Spring 2005*
Introductory graduate student seminar at University of Texas at Austin, Texas

Volunteer for Saturday Morning Math Group *October 2003–October 2004*
Mathematics outreach program at University of Texas at Austin, Texas

CONFERENCES AMS Sectional Meeting in Raleigh, North Carolina *Spring 2009*
ATTENDED Special Session on Brauer Groups, Algebraic Groups, and Lie Algebras

The Brauer Group conference in Pingree Park, Colorado *Summer 2008*

AMS National Meeting in San Antonio, Texas *Winter 2006*

The Brauer Group conference in Pingree Park, Colorado *Summer 2004*

MathFest national meeting in Madison, Wisconsin *Summer 2001*

REFERENCES Dr. David J. Saltman, dissertation advisor, University of Texas at Austin &
Center for Communications Research at Princeton

Professor John Tate, University of Texas at Austin

Professor Darrell Haile, Indiana University, Bloomington

Professor Dan Knopf, University of Texas at Austin (teaching)