

Joshua P. Mullet

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Citizenship

United States of America

Born November 28, 1974

Employment

The Ohio State University
Lecturer of Mathematics
October 2009 to Present

The Ohio State University
Ross Assistant Professor of Mathematics
October 2006 to Present

University of Illinois at Urbana-Champaign
Graduate Teaching Assistant and Research Fellow
August 1999 to May 2006

Education

Ph.D. in Mathematics, University of Illinois at Urbana-Champaign, 2006
Thesis Advisers: Daniel Grayson and Sheldon Katz

B.A. with High Honors in Mathematics, Oberlin College, 1999

Publications

Principal gradient schemes have regular reduced subschemes, abs/0811.3418.

Toric Calabi-Yau hypersurfaces fibered by weighted $K3$ hypersurfaces, Comm. Anal. Geom. **17**(1) (2009), 107–138. arxiv:math.AG/061138

Fibered Calabi-Yau Varieties and Toric Varieties, Ph.D. thesis, University of Illinois at Urbana-Champaign, 2006.

Invited Lectures

AMS Sectional Meeting, Cincinnati, OH
Fibered Calabi-Yau Varieties and Toric Varieties
October 22, 2006

UM/OSU Algebraic Geometry Workshop
Fibered Calabi-Yau Varieties and Toric Varieties
April 1, 2006

Western Michigan University
Toric Varieties and Calabi-Yau Threefolds
February 23, 2006

Kalamazoo College
Families of Polynomials: Variations on a Theme
February 22, 2006

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Computer Experience

Operating systems: Unix, Linux, Windows, Mac OS.

Computer algebra systems: Macaulay2, Mathematica, Magma.

Programming and markup languages: BASIC, C, C++, html, css, Mathematica programming language, Macaulay2 programming language, LaTeX.

Service

Supervising graduate student reading projects in algebraic geometry, The Ohio State University

Organizer: Beginners' Seminar in Symplectic Geometry, The Ohio State University

Organizer: Derived Donaldson-Thomas Theory Seminar, University of Illinois at Urbana-Champaign

Organizer: RAP (Research Among Peers): Vertex Algebras and Chiral Algebras, University of Illinois at Urbana-Champaign

Co-Organizer with David Murphy: Graduate Student Algebraic Geometry Seminar, University of Illinois at Urbana-Champaign

Honors

Autumn 2008: Invited to teach undergraduate honors linear algebra, The Ohio State University.

2007-2008 Academic Year: Invited to teach year-long graduate sequence in algebraic geometry.

2002, 2003, 2004, 2005: Nominated for Departmental Teaching Award

1999-2000: Twice Made List of Teachers Rated Excellent by Their Students

1999: Awarded High Honors in Mathematics, Oberlin College

Phi Beta Kappa

Sigma Xi