

DAVIS C. DOHERTY

Curriculum Vitae

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Dept. Address

Department of Mathematics
Seattle University
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Citizenship United States

Education **University of Washington** Seattle, WA
Ph.D. in Mathematics, August 2006, Advisor: Sándor Kovács.

- Thesis (August 2006)
On Singularities of Generic Projection Hypersurfaces
- General Exam Paper (December 2004)
Semi Log Canonical Singularities and Generic Projections

University of Rochester Rochester, NY
Bachelor of Arts in Mathematics and Physics, minor in Philosophy, *magna cum laude*, May 2000.

Work Experience

Adjunct Professor September 2006–June 2008
Department of Mathematics, Seattle University.

VIGRE Fellow June 2005–June 2006
Department of Mathematics, University of Washington.

Teaching and Research Assistant September 2000–August 2006
Department of Mathematics, University of Washington.

Tutor August 2003–Present
University Tutoring Service, Seattle, WA

Research Interests

Algebraic geometry, especially birational geometry and singularities; commutative algebra, graph theory.

Publications Doherty, Davis C. *Singularities of generic projection hypersurfaces*. To appear in Proceedings of the American Mathematical Society.

Talks *Singularities of Generic Projections*, Freie Universität Berlin, March 13, 2006.
Images of Hyperbolic Geometry, Mathday 2005, University of Washington, March 21, 2005.
Approximately 2 talks per quarter, Algebraic Geometry Seminar, University of Washington, 2003-2006.

Teaching **University of Rochester**

Teaching Assistant, Mathematics September 1997–May 1999
Ran recitations and workshops for standard and honors-level calculus courses.

Teaching Assistant, Physics May 1999–May 2000
Ran recitations and laboratory sections for various physics courses.

University of Washington

Teaching Assistant September 2000–December 2004
Taught a total of eleven quiz sections for the standard calculus sequence.

Math Study Center Tutor January 2001–June 2002
Assisted students enrolled in Precalculus and first-year Calculus courses.

Instructor April 2003–August 2006
Course instructor for a total of eight courses – all three courses of the first-year calculus sequence, a basic algebra course, and four multivariable calculus courses.

Seattle University

Adjunct Professor September 2006–June 2008
Instructor for fourteen undergraduate classes, ranging from algebra to calculus.

Teaching-related Experience

WeBWorK Content Development Spring 1998
(University of Rochester) Helped develop content for the WeBWorK web-based homework system.

Website Content Development Spring and Summer 2001, Summer 2002
(University of Washington) Helped construct websites for Calculus I and II, wrote L^AT_EX files for website content.

Tutor August 2003–Present
(University Tutoring Service) Tutored middle school-level through college-level students in mathematics, physics, and SAT preparation individually.

TA Mentor Autumn 2004, Autumn 2005
(University of Washington) Participated in training of new Teaching Assistants, observed quiz sections, advised new Teaching Assistants.

Committees **VIGRE Undergraduate Mathematical Sciences Seminar Committee**

Awards and Honors

VIGRE Fellowship 07/2005–06/2006
Department of Mathematics, University of Washington.

ARCS Fellowship Department of Mathematics, University of Washington.	09/2000–06/2003
Arthur S. Gale Memorial Prize Department of Mathematics, University of Rochester. Awarded for excellence in mathematics.	05/2000
Phi Beta Kappa Member	Elected 05/2000
Bausch and Lomb Science Award University of Rochester.	09/1996–05/2000

Memberships American Mathematical Society
Mathematical Association of America

Conferences and Workshops

- GAeL XV, Istanbul, Turkey, June 18–22, 2007. (Organizer)
- Moduli Space of Curves and Gromov-Witten Theory Workshop, University of Michigan, April 24–26, 2006. (Participant)
- Recent trends in higher dimensional geometry, Banff International Research Station, April 1–6, 2006. (Invited participant)
- GAeL XIV, Bedlewo, Poland, March 6–10, 2006. (Participant)
- Winter Conference on Arithmetic, Algebraic and Symplectic Geometry, University of Miami, December 18–22, 2005. (Participant)
- Graduate Student Warm-Up Workshop for AMS Summer Institute in Algebraic Geometry, University of Washington, July 18–25, 2005. (Participant and organizational assistant)
- AMS Summer Institute in Algebraic Geometry, University of Washington, July 25–August 12, 2005. (Participant)
- Western Algebraic Geometry Seminar, various locations, biannually, Fall 2002–Spring 2006. (Participant, organizational assistant for University of Washington site)
- Bellingham Algebraic Geometry Seminar, Western Washington University, biannually, 2003–2006. (Participant)
- Commutative Algebra: Interactions with Homological Algebra and Representation Theory, MSRI, Berkeley, CA, February 3–7, 2003. (Participant)

Additional Information

Languages: English, French (basic reading and speaking).

Programming/Markup Languages: HTML, L^AT_EX, C++, Perl.

Over five years of experience studying chado, the Japanese way of tea.