

Professor Seth C Dutter

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Mathematics, Statistics & Computer Science Department
College of Science, Technology, Engineering, Mathematics and
Management

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Teaching Interests: My teaching interests include all areas of undergraduate mathematics.

Research Interests: Algebraic Geometry, Algebraic Number Theory, Diophantine Geometry

Education

- **Ph D Mathematics**
University of California at Berkeley
Berkeley, CA, 2009
- **BS Mathematics**
University of California at Davis
CA, 2001

Work Experience

Academic - Post-Secondary

- **University of Wisconsin Stout**
Associate Professor
2013 -
- **University of Wisconsin Stout**
Assistant Professor
2009 - 2013
- **UC Berkeley**
Graduate Student Instructor
2002 - 2008

Intellectual Contributions

Journal Article

- Dutter, S. C., & Love, C. (Revising to Resubmit). Waring's Problem for Polynomial Rings and the Digit Sum of Exponents. *Research in Number Theory*, Springer.
- Brian, K., & Dutter, S. C. (Accepted). Reversals of Least-Squares Estimates and Model-Invariant Estimation for Directions of Unique Effects. *American Statistician*, *The*.
- Dutter, S. C. (2015). Gaps in Taylor series of algebraic functions. *Bulletin of the Australian Mathematical Society*, 91(03), 412–418, Cambridge Univ Press.
- Dutter, S. C., Haire, M., & Setniker, A. (2014). The complement of Fermat curves in the plane. *Involve, a Journal of Mathematics*, 7(5), 611–618, Mathematical Sciences Publishers.

Conference Proceeding

- Basyrov, A. K., Bendel, C., Dutter, S. C., & Jones, B. F. (2012). Improving Mathematics Success Through Enhanced Support Services. *ASQ Advancing the STEM Agenda in Education, the Workplace and Society*, ASQ.

Ph.D. Thesis

- Dutter, S. C. (2009). Logarithmic jet spaces and intersection multiplicities (Ph.D. Thesis). , UNIVERSITY OF CALIFORNIA, BERKELEY.

Presentations

Uncategorized

- Dutter, S. C. (2014). A Survey of Diophantine Geometry. MSCS Colloquium, Menomonie, WI.
- Dutter, S. C. (2014). Lacunary Taylor Series and Algebraic Functions. MSCS Colloquium, Menomonie, WI.
- Dutter, S. C. (2013). The UW-Stout Research Experience for Undergraduates. Math Club Meeting, Eau Claire, WI.
- Dutter, S. C. (2013). Battleship and Artificial Intelligence. MSCS Colloquium, Menomonie, WI.
- Dutter, S. C. (2013). Stay Mathy San Diego!. MSCS Colloquium, Menomonie, WI.
- Dutter, S. C. (2012). Improving Mathematics Success Through Enhanced Support Services. ASQ STEM Agenda Conference , Menomonie, WI.
- Dutter, S. C. (2012). The Modular Subset-Sum Problem. MSCS Colloquium, Menomonie, WI.
- Dutter, S. C. (2012). Fractional Derivatives. MSCS Departmental Seminar, Menomonie, WI.
- Dutter, S. C. (2009). Jet Spaces. MSCS Colloquium, Menomonie, WI.
- Dutter, S. C. (2009). Generalization of Mason's Theorem. Number Theory Seminar, Berkeley, CA.

Service

Department / School

- **Coordinator**, AMCS Battleship AI Programming Competition (2012 - Present)
- **Coordinator**, Putnam Math Exam Review (2010 - Present)
- **Committee Chair**, Faculty Hiring Committee (2014 - 2015)
- **Committee Member**, Faculty Hiring Committee (2014 - 2015)
- **Coordinator**, Mathematics 121 Course (2014 - 2015)
- **Committee Member**, Textbook Selection Committee (Real Analysis), (2013 - 2014)
- **Committee Member**, Faculty Workload Committee (2013)
- **Committee Member**, Faculty Hiring Committee (Math Education) (2012 - 2013)
- **Committee Member**, Faculty Hiring Committee (CS & GDD) (2011 - 2012)
- **Coordinator**, Mathematics 121 Course Coordinator (2011 - 2012)
- **Committee Member**, Adjunct Hiring Committee (Mathematics) (2011)
- **Committee Member**, Textbook Selection Committee (Introduction to College Mathematics) (2011)
- **Committee Member**, Lesson Study for Unit Circle Trigonometry (2010)
- **Committee Member**, Textbook Selection Committee (Calculus) (2010)
- **Committee Member**, Faculty Hiring Committee (Mathematics) (2009 - 2010)
- **Committee Member**, MAA High School Math Contest Committee (2009)

University

UW Stout

- General Education Committee (2011 - 2014)
- **Vice Chair**, General Education Committee (2012 - 2013)