

## Timothy Blass

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Department of Mathematics  
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### Education

The University of Texas at Austin, 2004-present  
Ph.D. candidate in Mathematics  
Thesis Advisor: Prof. Rafael de la Llave

The University of Michigan, 2000-2004  
B.S. Double major in Mathematics and Physics (with high honors)

### Teaching Experience

Teaching Assistant, The University of Texas at Austin, Fall 2005 - Summer 2006  
Graduate Student Assistant for REU, The University of Texas at Austin, Summer 2007  
Assistant Instructor, The University of Texas at Austin, Fall 2007 - present

### Preprints

*A Comparison Principle for Sobolev Gradient Semi-flows* (Submitted)

### Talks Given

*A Comparison Principle for Sobolev Gradient Semi-flows*, Texas PDE seminar, Texas State University, San Marcos, Texas, March 2009

### Conferences and Schools

*Fall School in Weak KAM Theory*, CIRM, Marseille, France, October 2009

*Nice Weak KAM Methods in Nice*, Université de Nice Sophia Antipolis, Nice, France, February 2009

*Stability and Instability in Mechanical Systems*, CRM, Barcelona, Spain, September 2008

*Hamiltonian PDEs and Variational Methods*, Capri, Italy, September 2008

*CoLab Mathematics Summer School; Theoretical and Applied Hamiltonian Dynamics*, Instituto Superior Técnico, Lisbon, Portugal, June 2008

*MAMOS (Mathematics: Analysis, Modeling, Optimization, and Simulation) Workshop*; The University of Texas, Austin, Texas, October 2007

### Computer Skills

Programming Languages: C++

Mathematical Software: MATLAB, Maple

### Honors and Awards

VIGRE Fellowship, Fall 2004 - Spring 2005 and Fall 2006 - Spring 2007

Frank Gerth III Teaching Excellence Award, Fall 2006

Outstanding Achievement in Mathematics Award, The University of Michigan, 2004

Sigma Pi Sigma Member (Physics Honors Society)

University Honors, 2001-2004

James B. Angell Scholar, Spring 2003, Spring 2005