

# David Steinberg

Department of Mathematics  
Room 121, Mathematics Building  
1984 Mathematics Road  
University of British Columbia  
Vancouver, British Columbia V6T 1Z2

Canadian Citizen  
steinberg@math.ubc.ca  
<http://www.math.ubc.ca/~dsteinbe>  
+1 604 822 4631

## Education

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- 2007-2012    **Doctor of Philosophy**, Mathematics  
University of British Columbia  
Advisor: Jim Bryan  
Thesis: Curve-counting Invariants and Crepant Resolutions of Calabi-Yau  
Threefolds
- 2004-2006    **Master of Arts**, Mathematics  
Binghamton University (SUNY Binghamton)
- 2000-2004    **Honours Bachelor of Science**, Mathematics  
University of Alberta

## Teaching

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*University of British Columbia, Department of Mathematics*

- Fall 2010        MATH 102, Differential Calculus with Applications to Life Sciences
- Fall 2008        MATH 180, Differential Calculus with Physical Applications
- Winter 2008     MATH 105, Integral Calculus with Applications to Commerce and Social  
Sciences
- Fall 2007        MATH 180, Differential Calculus with Physical Applications

*Binghamton University (SUNY Binghamton), Department of Mathematical Sciences*

- Fall 2005        MATH 222, Calculus II
- Winter 2005     MATH 222, Calculus II

## Talks

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*University of British Columbia, Department of Mathematics*

- 2011    **The McKay Correspondence**  
Hilbert Scheme of Points on Surfaces Graduate Seminar
- 2010    **Geometric Invariant Theory**  
Advanced Topics in Algebraic Geometry Graduate Seminar
- 2010    **Introduction to Curve Counting Theories: GW, DT, PT**  
Advanced Topics in Algebraic Geometry Graduate Seminar
- 2010    **An Introduction to Motivic Hall Algebras**  
Donaldson-Thomas Theory Working Seminar

## Talks (continued)

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- 2010     **What is a Vector Bundle?** Graduate Student Seminar
- 2009     **Behrend's Microlocal Function**  
Generalized Donaldson-Thomas Invariants Working Seminar
- 2009     **Stability Conditions**  
Generalized Donaldson-Thomas Invariants Working Seminar
- 2009     **The 3-fold Vertex Via Stable Pairs**  
Donaldson-Thomas Theory Working Seminar
- 2008     **Gromov-Witten Theory and Donaldson-Thomas Theory**  
Donaldson-Thomas Theory Working Seminar

## Awards

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- 2011             Faculty of Science Achievement Award (\$1 000)(Citation: For leadership in TA training in the Mathematics Department, and playing a key role in setting up the Mathematics Department's TA Accreditation Program )
- 2008             University of British Columbia Graduate Fellowship Award (\$8 000)
- 2007 – 2012     Ph.D. Tuition Fee Award
- 2004 – 2006     Craig Squier Assistanceship (\$17 000 / year)
- 2003             Gibson Memorial Scholarship in Mathematics (\$700)
- 2002 – 2003     Jason Lang Scholarship (\$1 000 / year)

## Conferences Attended

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- 2011     Bellingham Algebraic Geometry Seminar  
University of British Columbia, March 5
- 2010     Bellingham Algebraic Geometry Seminar  
University of Western Washington, November 16
- 2010     Wall-crossing in Mathematics and Physics  
University of Illinois (Champagne-Urbana), May 24–28
- 2010     Mathematical and Statistical Graduate Education Roundtable  
Banff International Research Insitute, May 21–23
- 2010     Western Algebraic Geometry Symposium  
University of British Columbia, May 1–2
- 2009     Western Algebraic Geometry Symposium  
University of California (Berkeley), April 25–26
- 2009     Modern Moduli Theory  
Mathematical Sciences Resarch Institue, February 23 –27
- 2008     Western Algebraic Geometry Symposium  
University of Utah, November 8–9
- 2008     Lie Theory and Geometry: The Mathematical Legacy of Bertram Kostant  
University of British Columbia, May 19–25
- 2008     Recent Progress on the Moduli Space of Curves  
Banff International Research Station, March 16–21

## Conferences Attended (continued)

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2007      Derived Categories  
            University of Utah, June 4 -16

## Related Experience

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### *University of British Columbia, Department of Mathematics*

Fall 2011                      Organized the Mathematics Learning Centre

Summer 2011                 Redesigned and facilitated the TA training workshop for incoming mathematics graduate students

Winter 2011                 Organized the TA Accreditation Program seminar (a seminar on how to improve TA skills)

Fall 2009 – Summer 2010    Created, designed, and facilitated the TA training workshop for incoming mathematics graduate students

Summer 2009                 Participated in the Instructional Skills Workshop  
   Centre for Teaching and Academic Growth

Winter 2009                 Teaching Assistant (in charge), Tutorial Centre

Winter 2007                 Marker, MATH 215

### *Binghamton University (SUNY Binghamton), Department of Mathematical Sciences*

Winter 2006                 Teaching Assistant, MATH 221

Fall 2004                      Teaching Assistant, MATH 221

### *University of Alberta, Department of Mathematical and Statistical Sciences*

Summer 2004                 Assistant Course Developer, supervisor: James Lewis

Summer 2003                 Assistant Course Developer, supervisor: Eric Talvila