

# David Favero

---

209 S. 33rd Street, DRL 4N17  
Philadelphia, PA 19104-6395  
favero@math.upenn.edu  
<http://www.math.upenn.edu/~favero>  
(612) 419-3408

- Personal**
- Born 05/24/1982 in Minneapolis, USA Citizen
- Education**
- Ph.D. Mathematics, University of Pennsylvania, expected 2009
    - Dissertation: *Dimensions of derived categories of coherent sheaves*  
Advisor: Tony Pantev
  - B.S. Mathematics with Honors, Brown University, 2004
    - Senior Thesis: *Hypergeometric L-Series*  
Advisor: Michael Rosen
    - Honors: *Magna Cum Laude, Phi Beta Kappa, Sigma Chi*
    - Undergraduate research experience: University of Wisconsin at Madison, Summer 2003
- Honors and Awards**
- *Calabi Fellowship*, University of Pennsylvania, 2004-present
  - *David Howell Premium for Excellence in Mathematics*, Brown University, 2004
- Papers**
- *Characters and q-series in  $\mathbb{Q}(\sqrt{2})$* , Journal of Number Theory, 2004 Vol. 104 Num. 2
  - *Some finiteness results for Fourier-Mukai partners*, Submitted to Mathematische Annalen, 2008
  - *Dimensions of triangulated categories, quotients, and perfect complexes*, joint work with M. Ballard (in preparation), 2008

## Teaching Experience

- Sole Instructor for the following courses:
  - Calculus II, University of Pennsylvania, Summer 2007
  - Calculus II, University of Pennsylvania, Summer 2006
- Teaching Assistant for the following courses:
  - Ideas in Mathematics, University of Pennsylvania, Fall 2008
  - Calculus II, University of Pennsylvania, Summer 2007
  - Calculus IV, University of Pennsylvania, Fall 2006
  - Calculus I, University of Pennsylvania, Spring 2006
  - Calculus I, University of Pennsylvania, Fall 2005
  - Multivariable Calculus, Brown University, Spring 2003
  - Multivariable Calculus, Brown University, Fall 2002
- Miscellaneous teaching experience:
  - Private tutor in mathematics, University of Pennsylvania, Fall 2005-Present
  - Staff, Math Help Center, University of Pennsylvania, Summer 2008
  - Volunteer, Chess tutoring, Philadelphia Public Library, Summer 2005
  - Program Coordinator/Teacher, Space in Prison for Arts and Creative Expression, Brown University, 2003-2004
  - Volunteer, Chess tutoring, Community Outreach for the Performing Arts, Brown University, 2002-2003
  - Mathematics Curricular Advisor, Brown University, 2001-2002

## Conferences Attended

- *Algebro-Geometric Derived Categories and Applications*, Institute for Advanced Study 2008
- *Derived Categories in Mathematics and Physics*, Snowbird Resort, Utah, 2007
- *MSRI, Derived Categories in Algebraic Geometry*, University of Utah, 2007
- *Summer Institute in Algebraic Geometry*, University of Washington, 2005

## References

- Professor Tony Pantev, University of Pennsylvania, (Thesis Advisor) tpantev@math.upenn.edu
- Professor Jonathan Block, University of Pennsylvania blockj@math.upenn.edu
- Professor Andrei Caldararu, University of Wisconsin: Madison andreic@math.wisc.edu
- Professor Antonella Grassi, University of Pennsylvania (Teaching) grassi@math.upenn.edu