

Kirsten Graham Wickelgren

Curriculum Vitae

Education

- **Stanford University**, Stanford, California.
In progress. 4 years towards Ph.D. in Mathematics.
Advisor: Gunnar Carlsson
- **L'École Normale Supérieure**, Paris, France.
Titre d'ancien élève de l'école normale supérieure 2004.
Advisor: Pierre Lochak
- **Harvard University**, Cambridge, Massachusetts.
A.B.-A.M. magna cum laude 2003 A.M. in mathematics.

Research Interests

- Homotopy theory
- Algebraic geometry
- Arithmetic geometry

Academic Honors

- Stanford Graduate Research Fellowship: 2003
- National Science Foundation Graduate Research Fellowship: 2003
- Harvard-École Normale Supérieure Exchange Fellowship: 2003
- Phi Beta Kappa (Harvard University): 2002
- John Harvard Scholarship (Harvard University): 2001, 2002
- Detur Prize (Harvard University): 2000
- Intel Science Talent Search Finalist (formerly Westinghouse Science Talent Search) (1999)

Teaching Experience

- **Teaching Assistant**, Stanford University.
Responsible for leading two sections each twice a week in Math 51: Linear Algebra and Differential Calculus of Several Variables (Fall 2007).

- **Course Assistant**, Harvard University.
Responsible for leading a once a week section/problem session and grading problem sets for Math 113: Complex Analysis (Fall 2001).

Papers

- S. Iams, B. Katz, C. Silva, B. Street, and K. Wickelgren, On weakly mixing and doubly ergodic nonsingular actions, *Colloq. Math*, 103, 2005, no. 2, 247-264

Talks

- **University of Chicago** Topology Seminar 11/4/08.
Obstructions to Homotopy Sections of Curves over Number Fields.
- **University of Wisconsin** Graduate Student Conference in Number Theory 11/3/07.
Obstructions to the Existence of Rational Points on Curves coming from the Lower Central Series of the Fundamental Group.
- **Stanford University** Algebraic Geometry Seminar 10/26/2007.
Universal Covers and Fundamental Groups of Schemes.

Conferences Attended

- **MSRI: Program in Algebraic Geometry.** Mathematical Sciences Research Institute in Berkeley, CA Spring 2009 (expected).
- **CMI Workshop: The Foundations of Algebraic Geometry: Grothendieck's EGA Unbound** Clay Mathematics Institute Cambridge, MA 8/08.
- **Graduate Student Conference in Number Theory.** University of Wisconsin 11/07.
- **Abel Symposium 2007: Algebraic Topology.** Oslo, Norway 8/07.
- **Homotopy theory of schemes.** Thematic Program on Geometric Applications of Homotopy Theory. Fields Institute 3/07.
- **Explicit methods for rational points on curves.** Banff International Research Station 2/07.
- **Western Algebraic Geometry Seminar:**
Colorado State University 10/07
University of Washington 04/07
University of Utah 11/06
- **Graduate Student Warm-up Workshop for AMS Summer Institute.** Seattle, Washington 7/05.

Other Activities

- **Honors expository undergraduate thesis.** Harvard University. Spring 2003.
Billiards in Polygons. Advisor: Curtis McMullen.

- **Summer Research Experience for Undergraduates:** Williams College. Summer 2002.
Ergodic theory group. Advisor: Cesar Silva.
- **Summer Research Experience for Undergraduates:** Cornell University. Summer 2001.
Linear Transformations Preserving the Voronoi Polyhedron. Advisor: Konstantin Rybnikov.
- **Global Science Scholar Summer Internship.** Lucent Technologies. Summer 2000.
Minimal cost networks. Advisor: Iraj Saniee.

References

Available upon request.