

Bertrand J. Guillou

Curriculum Vitae

October 2011

Department of Mathematics
1409 W. Green Street
Urbana, IL 61801
bertg@illinois.edu

Personal Born: April, 1980
 Citizenship: U.S.A.

Employment

2011– **Visiting Assistant Professor** of Mathematics
 University of Illinois at Urbana-Champaign

2008–2011 **J. L. Doob Research Assistant Professor** of Mathematics
 University of Illinois at Urbana-Champaign

Education

2002–2008 **The University of Chicago**, Chicago, IL
 Ph.D. in Mathematics, June 2008.
 M.S. in Mathematics, March 2004.

1998–2002 **University of Michigan**, Ann Arbor, Michigan
 B.S., June 2002 : Magna Cum Laude with High Honors in Philosophy
 and Highest Honors in Mathematics

Awards and Scholarships

2002-2007 National Science Foundation Graduate Research Fellowship
2002-2004 Mc Cormick Fellowship (from the University of Chicago)

Teaching

University of Illinois:

Fall 2011 **Mathematics 241**: Calculus III
Fall 2011 **Mathematics 225**: Introductory Matrix Theory
Spring 2011 **Mathematics 527**: Homotopy Theory
Spring 2011 **Mathematics 403**: Euclidean Geometry
Fall 2010 **Mathematics 444**: Elementary Real Analysis (on \mathbb{R}^1)
Spring 2010 **Mathematics 415**: Applied Linear Algebra

Spring 2010 **Mathematics 432**: Set Theory and Metric Spaces
Fall 2009 **Mathematics 415**: Applied Linear Algebra
Spring 2009 **Mathematics 535**: Point Set Topology
Spring 2009 **Mathematics 181**: A Mathematical World
Fall 2008 **Mathematics 415**: Applied Linear Algebra

University of Chicago:

2007–2008 **Mathematics 152-3**: Calculus
2004–2005 **Mathematics 131-3**: Elementary Functions and Calculus
2003–2004 **Mathematics 161-3**: Honors Calculus (College Fellow)

Publications & Submitted Articles

- (1) Models of G-spectra as presheaves of spectra (with J. P. May), submitted.
- (2) Enriched model categories and diagram categories (with J. P. May), submitted.
- (3) Strictification of categories weakly enriched in symmetric monoidal categories, *Theory and Applications of Categories*, Vol. 24, 2010, No. 20, pp 564-579.
- (4) The motivic fundamental group of the punctured projective line. *Journal of K-Theory*, 7(1):19–53, 2010.
- (5) Asymptotic properties of zeros of hypergeometric polynomials (with Peter Duren). *Journal of Approximation Theory* 111(2) (2001), 329–343.

Invited Talks

- Wayne State University Topology Seminar, Dec. 5, 2006.
- Wayne State University Topology Seminar, Sept. 11, 2007.
- University of Illinois at Urbana-Champaign Topology Seminar, Nov. 27, 2007.
- Northwestern University Topology Seminar, Jan. 7, 2008.
- University of Michigan Topology Seminar, Jan. 10, 2008.
- AMS Sectional Meeting, Bloomington, IN, Apr. 6, 2008.
- Indiana University Topology Seminar, Sept. 24, 2008.
- MIT Topology Seminar, Nov. 17, 2008.
- University of Illinois at Urbana-Champaign Topology Seminar, Feb. 10, 2009
- AMS Sectional Meeting, University Park, PA, Oct. 25, 2009.
- Johns Hopkins University Topology Seminar, Nov. 16, 2009.
- Notre Dame University Topology Seminar, Dec. 8, 2009

- University of Illinois at Urbana-Champaign Topology Seminar, Apr. 27, 2010
- University of Western Ontario Topology Seminar, Mar. 7, 2011
- Midwest Topology Seminar, University of Chicago, Apr. 3, 2011

Service

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| 2011 | Organizer , Student Summer Seminar on the Steenrod Algebra, University of Illinois |
| 2010 | Organizer , Student Summer Seminar on Calculus of Functors, University of Illinois |
| 2009-2010 | Organizer , Topology Seminar, University of Illinois |
| 2003-2008 | Committee Member and Mentor , Directed Reading Program, University of Chicago |
| 2007 | Co-organizer , Graduate Student Topology Conference, University of Chicago |
| 2004, 2007 | Graduate Student Assistant , Research Experience for Undergraduates, University of Chicago |
| 2004 | Co-organizer and Speaker , Mathematics Department Graduate Warm-Up Program, University of Chicago |