Jeremy Hahn

CONTACT INFORMATION

Department of Mathematics
Harvard University
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Cambridge, MA 02138

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EDUCATION

Harvard University, Cambridge, MA

Ph.D. Candidate, Mathematics (expected May 2018)
Advisor: Michael J. Hopkins

Massachusetts Institute of Technology, Cambridge, MA

B.S. in Mathematics, January 2013

EMPLOYMENT

Massachusetts Institute of Technology, Cambridge, MA

NSF Postdoc and CLE Moore Instructor, August 2018-present

PAPERS AND PREPRINTS

Eilenberg-MacLane spectra as equivariant Thom spectra with Dylan Wilson (2018). Preprint.

Multiplicative structure in the stable splitting of $\Omega SU(n)$ with Allen Yuan (2017). Preprint.

Real Orientations of Morava E-theories with Xiaolin Danny Shi (2017). Preprint.

Nilpotence in E_n*-algebras* (2017). Preprint.

On the Bousfield classes of H_∞*-ring spectra* (2016). Preprint.

Appendix to *Brown Peterson cohomology from Morava E-theory* by Tobias Barthel and Nathaniel Stapleton (2015). Accepted by Compositio Mathematica.

INVITED TALKS

To be announced, Derived algebraic geometry and chromatic homotopy workshop, Newton Institute, Cambridge, England. (September 2018)

To be announced, Equivariant homotopy theory and K-theory workshop, Freie Universität, Berlin, Germany. (June 2018)

To be announced, International Workshop on Algebraic Topology, Southern University of Science and Technology, Shenzhen, China. (June 2018)

Toward the C_p*-fixed points of Morava E-theory*, Chromatic Homotopy Theory Journey to the Frontier, Colorado University Boulder (May 2018)

Even spaces and variants of periodic complex bordism, Purdue Topology Seminar. (February 2018)

Milnor Operations in Equivariant Homotopy Theory, University of Virginia Topology Seminar. (February 2018)

Milnor Operations in Equivariant Homotopy Theory, Johns Hopkins Topology Seminar. (February 2018)

Structure in the Stable Splitting of Affine Grassmannians, Northwestern University Topology Seminar. (November 2018)

Multiplicative structures in the Stable Splitting of Affine Grassmannians, University of Chicago Topology Seminar. (November 2018)

Contributed Talks

More Deformations of p-Divisible Groups, Juvitop Seminar, Massachusetts Institute of Technology. (April 2018)

Schlessinger's Criterion and Deformation Theory, Juvitop Seminar, Massachusetts Institute of Technology. (March 2018)

The work of Arone and Mahowald, Thursday Seminar, Harvard University. (February 2018)

Chromatic Types of Structured Ring Spectra, Homotopy Theory: tools and applications, University of Illinois at Urbana-Champaign. (July 2017)

The Brauer Group of Morava E-theory, Juvitop Seminar, Massachusetts Institute of Technology. (May 2017)

Rezk's Logarithm, Juvitop Seminar, Massachusetts Institute of Technology. (November 2016)

Nilpotence and the Nishida Relations, Juvitop Seminar, Massachusetts Institute of Technology. (October 2016)

The Slice Filtration, Juvitop Seminar, Massachusetts Institute of Technology. (Feb 2016)

An Intro to p-adic Homotopy Theory, Juvitop Seminar, Massachusetts Institute of Technology. (April 2015)

Wilson Spaces as Atomic Even Spaces, Thursday Seminar, Harvard University. (March 2015)

A Reduction to the Reduction Theorem, Juvitop Seminar, Massachusetts Institute of Technology. (December 2014)

From n-fold Segal Spaces to n-fold Quasi-categories, Thursday Seminar, Harvard University. (March 2013)

Honors and Awards

2018–Present	NSF Postdoctoral Fellowship
2013–2018	NSF Graduate Research Fellowship
2013–2018	James Mills Peirce Fellowship
2016	Certificate of Distinction as TF for Math 21*b*.
2008	Putnam Competition Honorable Mention

Conferences and Workshops Attended

Derived algebraic geometry and chromatic homotopy, Newton Institute, Cambridge, England. (September 2018)

Equivariant homotopy theory and K-theory workshop, Freie Universität, Berlin, Germany. (June 2018)

International Workshop on Algebraic Topology, Southern University of Science and Technology, Shenzhen, China. (June 2018)

Chromatic Homotopy Theory Journey to the Frontier, Colorado University Boulder (May 2018)

Homotopy theory: tools and applications, University of Illinois at Urbana-Champaign (July 2017)

Conference on invertible objects and duality in derived algebraic geometry and homotopy theory, University of Regensburg, Germany (April 2017)

USC K-theory Summer School, University of Southern California (August 2015)

Hausdorff Trimester Program: Homotopy theory, manifolds, and field theories, Bonn, Germany (May 2015)

Talbot 2014: Motivic Homotopy Theory, Pigeon Forge, Tennessee (March 2014)

Talbot 2013: Chromatic Homotopy Theory, South Lake Tahoe, California (April 2013)

Quillen Memorial Conference, MIT (October 2012)

Teaching Experience

Harvard Math 21b Spring 2018. Linear Algebra. Teaching Fellow.

Harvard Math 21b Spring 2016. Linear Algebra. Teaching Fellow.

MIT 18.905 Fall 2011. Algebraic Topology I. Teaching Assistant (course taught by Gonçalo Tabuada).