

Vitaly Lorman

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Education

Ph.D. in mathematics, Johns Hopkins University, 2016 (expected)
Thesis: *Real Johnson-Wilson Theories and Computations*
Advisor: Nitu Kitchloo

M.A. in mathematics, Johns Hopkins University, 2011.

B.A. in mathematics and philosophy, Lawrence University, 2010,
graduated summa cum laude

Study abroad at Moscow State University Department of Mathematics, Fall 2009

Preprints

The Real Johnson-Wilson Cohomology of CP^∞ , 2015, soon to be submitted, available on arXiv:1509.02101

The $ER(2)$ -cohomology of $B\mathbb{Z}/(2^q)$ and CP^n with N. Kitchloo and W.S. Wilson, 2015 (in preparation)

Landweber flat real pairs and $ER(n)$ -cohomology with N. Kitchloo and W.S. Wilson, 2015 (in preparation)

Awards and honors

Joel Dean Teaching Award, Mathematics Department, Johns Hopkins University, 2015

George E. Owens Fellowship, Math Department, Johns Hopkins University, 2010-2013

Joel Dean Teaching Award, Mathematics Department, Johns Hopkins University, 2012

Andrew C. Berry-James C. Stewart Prize in Mathematics, Lawrence University, 2010

John Herbert and Mamie E. Farley Prize in Philosophy, Lawrence University, 2010

Ralph White Prize in Mathematics, Lawrence University, 2008

Phi Beta Kappa, Lawrence University, 2010

Teaching Experience

Instructor at Johns Hopkins University

Interession 2014	<i>History of Mathematics</i>	(also designed the course)
Summer 2014	<i>The Mathematics of Infinity</i>	
Interession 2013	<i>The Mathematics of Infinity</i>	(also designed the course)
Fall 2013	<i>Introduction to Calculus</i>	
Summer 2013	<i>Calculus II</i>	(online)
Summer 2011	<i>Calculus II</i>	(online)

Teaching assistant at Johns Hopkins University, 2010-present

Calculus I for Biology, Calculus II for Physical Sciences and Engineering, Calculus III, Differential Equations, Linear Algebra, Honors Calculus III, Honors Linear Algebra, Advanced Algebra II

Course developer at Center for Talented Youth, Johns Hopkins University, Summer 2012

Teaching assistant at Center for Talent Development, Northwestern University, Summer 2008-2010

Invited Talks

Research Talks

University of Rochester Topology Seminar, December 2015

University of Chicago Topology Seminar, November 2015

University of Illinois, Urbana-Champaign Topology Seminar, September 2015

Johns Hopkins University Topology Seminar, August 2015

Wayne State University Topology Seminar, August 2015

Penn State University, Altoona Topology Seminar, May 2015

University of Virginia Topology Seminar, March 2015

Joint Mathematics Meetings Special Session on Homotopy Theory, Baltimore, January 2014

Expository Talks

West Coast Algebraic Topology Summer School, *Basics of Infinity Category Theory*, August 2013

MSRI Graduate Workshop in Algebraic Topology, *On the Geometry of Iterated Loop Spaces*, July 2013

Talbot Workshop on Chromatic Homotopy Theory, *On the image of J*, May 2013

Graduate Student Topology Seminar, Johns Hopkins University, various talks, 2011-present

Service

Co-organized Graduate Student Topology Seminar, 2011-present

Served as Head of Family and Grandparent (leadership positions) in Thread (Baltimore high school community outreach program), 2013-present

Contributor to Mathematics User's Guides Project, 2015-present

Served as the graduate student representative for the Department of Mathematics, Johns Hopkins University, 2011-present

Organized placement exam for Future Scholars Program (Baltimore high school math outreach), Johns Hopkins University, 2013-2014

Miscellaneous

Languages spoken: Russian (fluent)

Member of Preparing Future Faculty Teaching Academy, Johns Hopkins University
Participated in Summer Teaching Workshop, Summer 2015

Last updated: November 28, 2015