

Samuel M. Corson

- CONTACT INFORMATION Department of Mathematics sammyc973@gmail.com
Vanderbilt University
1326 Stevenson Center
Nashville, Tennessee 37212
- INTERESTS Topology, group theory, descriptive set theory, model theory
- EDUCATION **Department of Mathematics, Vanderbilt University**
Ph.D. in Mathematics May 2016
 - Dissertation Topic: Subgroups and quotients of fundamental groups
 - Advisor: Mark SapirM.S. in Mathematics, December 2013
- Brigham Young University**
M.S. in Mathematics, April 2010
B.S. in Mathematics, April 2008
 - Orson Pratt Award (Outstanding Senior), Phi Kappa Phi, Graduate Service Award
 - Minor in logic
- PUBLICATIONS S. Corson, W. Hojka, *The fundamental group of reduced suspensions*, in preparation.
G. Conner, S. Corson, *A note on automatic continuity*, in preparation.
S. Corson, *Limiting theories of substructures*, in preparation.
M. Andersen, G. Conner, S. Corson, *On inscrutability of homomorphisms*, in preparation.
S. Corson, *On quasi-isometry and choice*, (submitted to Annals of Pure and Applied Logic) arXiv:1609.01353
S. Corson, *On subgroups of first homology*, (submitted to Fund. Math.) arXiv:1610.05422
S. Corson, *On definable subgroups of the fundamental group*, (submitted to Geometry & Topology) arXiv:1610.00145
S. Corson, *Torsion-free word hyperbolic groups are n -slender*, Int. J. Algebra Comput. 26 (2016), 1467-1482. arXiv:1510.04326
G. Conner, S. M. Corson, *On the first homology of Peano continua*, Fund. Math. 232 (2016), 41-48. arXiv:1509.07055
S. Corson, *Applications of Descriptive Set Theory in Homotopy Theory*, M.S. Thesis, April 2010.

TALKS	<i>The definable subgroups of the fundamental group</i> , Colloquium, Brigham Young University, Provo. (October 2016)	
	<i>Some new results about n-slender groups</i> , Topology & Group Theory Seminar, Vanderbilt University, Nashville. (March 2016)	
	<i>Some new results on Peano continua and n-slenderness</i> , Geometry and Topology Seminar, University of Tennessee, Knoxville. (Oct. 2015)	
	<i>Lebesgue space and Peano continua</i> , Topology Seminar, BYU. (April 2015)	
	<i>The Grigorchuk group</i> , Topology Seminar, BYU. (Nov. 2013)	
	<i>Weak Presentations of Groups</i> , Workshop on Topology of Wild Spaces and Fractals, Strobl, Austria. (July 2011)	
HONORS AND AWARDS	2011–2016	University Graduate Fellowship (in addition to the standard stipend)
	2011	Winter Semester: Perfect 8/8 overall student ratings of instructor
	2010	Graduate Service Award
	2008	Graduation Magna Cum Laude, GPA 3.98
	2008	Orson Pratt Award (Outstanding Graduating Senior)
TEACHING EXPERIENCE	Winter 2016	Teaching Assistant, Probability and Statistics
	Fall 2015	Lecturer, Calculus I
	Fall 2014	Lecturer, Calculus I
	Winter 2014	Teaching Assistant, Multivariable Calculus and Linear Algebra
	Fall 2013	Teaching Assistant, Calculus I
	Winter 2013	Teaching Assistant, Differential Equations and Linear Algebra
	Fall 2012	Teaching Assistant, Calculus II
	Spring 2011	Lecturer, Calculus I
	Winter 2011	Lecturer, Calculus I
	Fall 2010	Lecturer, Calculus I
	Summer 2010	Lecturer, Calculus I
	Winter 2010	Teaching Assistant, Calculus II
	Fall 2009	Teaching Assistant, Calculus II
	Summer 2009	Lecturer, Trigonometry
	Winter 2009	Teaching Assistant, Calculus I
	Fall 2008	Teaching Assistant, Topology
	Fall 2008	Teaching Assistant, Complex Analysis
EXTENDED TRAVEL	Summer 2016	Hebrew University
	Summer 2011	Vienna University of Technology University of Ljubljana
GRADUATE COURSEWORK	<input type="checkbox"/> Topology	<input type="checkbox"/> Complex Analysis
	<input type="checkbox"/> Geometric Group Theory	<input type="checkbox"/> Functional Analysis
	<input type="checkbox"/> Ordinary Differential Equations	<input type="checkbox"/> Set Theory
	<input type="checkbox"/> Ergodic Theory	<input type="checkbox"/> Descriptive Set Theory
	<input type="checkbox"/> Dynamical Systems	<input type="checkbox"/> Homology Theory
	<input type="checkbox"/> Real Analysis	

REFEREED JOURNALS Glasnik Matematicki
International Journal of Algebra and Computation
Topology and its Applications

OTHER SKILLS Languages: English (native), Russian (conversational), German (travel)
LaTeX, Beamer

REFERENCES **Mark Sapir**, Centennial Professor of Mathematics,
Vanderbilt University
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Greg Conner, Professor of Mathematics,
Brigham Young University
`conner@math.byu.edu`

Alexander Dranishnikov, Professor of Mathematics,
University of Florida
`dranish@math.ufl.edu`

Mike Mihalik, Professor of Mathematics,
Vanderbilt University
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Doug Hardin, Professor of Mathematics, Associate Director of Graduate Studies,
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