

Alexandra Pettet

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| CONTACT INFORMATION | University of Michigan Mathematics, 2074 East Hall 530 Church Street Ann Arbor, Michigan 48109 | <i>E-mail:</i> apettet@umich.edu <i>Webpage:</i> http://www-personal.umich.edu/~apettet <i>Fax:</i> 734.763-0937 |
| RESEARCH INTERESTS | Topology and geometric group theory: automorphisms groups of free groups, mapping class groups, and subgroups. | |
| EMPLOYMENT | University of Michigan , Ann Arbor, Michigan U.S.A. RTG Assistant Professor, September 2008 - present. Stanford University , Stanford, California U.S.A. Szëgo Assistant Professor, September 2007 - June 2008. Samelson Postdoctoral Fellow, September 2006 - August 2007. | |
| EDUCATION | University of Chicago , Chicago, Illinois U.S.A. Ph.D, Mathematics, June 2006. Advisor: Benson Farb Thesis: <i>Cohomology of some subgroups of the automorphism group of a free group.</i> M.S., Mathematics, December 2002. University of Toronto , Toronto, Ontario Canada B.S., Mathematics, May 2001. | |
| VISITED INSTITUTIONS | University of Toronto, Toronto, Canada. Mathematical Sciences Research Institute, Berkeley, California. University of Southampton, Southampton, U.K. Université de Bourgogne, Dijon, France. | July - August 2009 August - December 2008 June, 2007 January - March 2005 |
| HONORS AND AWARDS | National Science Foundation three-year grant. Engineering and Physical Sciences Research Council (United Kingdom), visitor grant. National Science and Engineering Research Council of Canada PGS D. National Science and Engineering Research Council of Canada PGS A. | September 2008 June, 2007 2004-2006 2002-2004 |
| PREPRINTS | <i>Current twisting and nonsingular matrices</i> , (with Matt Clay), submitted. <i>Twisting out fully irreducible automorphisms</i> , (with Matt Clay), submitted. <i>Finiteness properties for a subgroup of the pure symmetric automorphism group</i> , submitted. <i>On the Johnson filtration of the automorphism group of a free group</i> , (with Frederick Cohen and Aaron Heap), in preparation. <i>Small filling sets of curves on a surface</i> (with James W. Anderson and Hugo Parlier), submitted. <i>Periodic maximal flats are not peripheral</i> , (with Juan Souto), submitted. | |

