Curriculum Vitæ of Kevin Whyte

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Education

Ph.D.   1998   University of Chicago (advisor : Shmuel Weinberger)

Employment

2007-	Professor	University of Illinois at Chicago
2004-2007	Associate Professor	University of Illinois at Chicago
2001-2004	Assistant Professor	University of Illinois at Chicago
2000-2001	Dickson Instructor	University of Chicago
1998-2000	Research Fellowship	Universtity of Utah

Grants and Awards

1999-2001	NSF Postdoctoral Fellowship DMS 9971094
2002-2005	NSF Grant DMS 0204576
2003-2007	BSF Grant 2002194
2004-2009	NSF Career Award DMS 0349290
2004-2007	Sloan Research Fellowship
2010-2015	NSF Grant DMS 1007236
2016-2019	Simons Collaborative Grant

Publications

1. "Amenability, bilipschitz equivalence, and the Von Neumann conjecture," *Duke Math. J.* **99** (1999), 93–112.

2. "Continuous quotients for lattice actions on compact manifolds" (with D. Fisher), *Geom. Dedicata* **87** (2001), 181–189 .

3. "The quasi-isometry types of the higher Baumslag-Solitar groups," *GAFA* **11** (2002), 1327–1343.

4. "Index theory with bounded geometry, the uniformly finite A-hat genus, and infinite connected sums," *J. Differential Geom.* **59** (2001), 1–14.

5. "Quasi-isometries between groups with infinitely many ends" (with P. Papasoglu), *Comment. Math. Helv.* **77** (2002), 133–144.

6. "Maximally symmetric trees" (with L. Mosher and M. Sageev), *Geom. Dedicata* **92** (2002), 195–233.

7. "Quasi-actions on trees I: bounded valence" (with L. Mosher and M. Sageev), *Ann. of Math. (2)* **158** (2003), 115–164.

8. "Growth of Betti numbers" (with B. Clair), *Topology* **42/5** (2003), 1125–1142.

9. "When is a group action determined by its orbit structure?" (with D. Fisher), *GAFA* **13** (2003), 1189–2000.

10. "The geometry of some metabelian groups" (with J. Taback), *Michigan Math. J.* **52** (2004), 205–218.

11. "Non-ergodic actions, cocycles, and superrigidity" (with D. Fisher and D. Morris), *New York Mathematics Journal* **10** (2004), 249–269.

12. "Quasi-isometries and rigidity of solvable groups (research announcement)" (with A. Eskin and D. Fisher), *Pure and Applied Mathematics Quarterly (Margulis birthday volume)* **3** (2007).

13. "A note on spaces of asymptotic dimension one" (with K. Fujiwara), *Algebraic and Geometric Topology* **7** (2007).

14. "Finiteness of arithmetic hyperbolic reflection groups" (with I. Agol, M. Belopetsky and P. Storm), *Groups, Geometry, and Dynamics* **2** (2008).

15. "Quasi-actions on trees II: Bass-Serre trees" (with L. Mosher and M. Sageev), *Mem. Amer. Math. Soc.* **214** (2011).

16. "Coarse differentiation of quasi-isometries I: spaces not quasi-isometric to cayley graphs" (with A. Eskin and D. Fisher), *Ann. of Math. (2)* **176** (2012).

17. "Coarse differentiation of quasi-isometries II:rigidity for SOLV and lamplighter groups" (with A. Eskin and D. Fisher), *Ann. of Math. (2)* **177** (2013).