

Thomas Andrew Putman

Curriculum Vitae
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Birth Date : Oct. 22, 1979, U.S. citizen

Research Interests : Mapping class groups, low-dimensional topology, geometric group theory

Education

- 2007 **University of Chicago**, Chicago, IL
Ph.D. in Mathematics (advisor : Benson Farb)
- 2002 **Rice University**, Houston, TX
B.A. in Mathematics

Employment

- 2007-present **Massachusetts Institute of Technology**, Cambridge, MA
C. L. E. Moore Instructor
- 2007 (Fall) **Mathematical Sciences Research Institute**, Berkeley, CA
Postdoctoral fellow

Awards and Grants

- 2007 NSF Postdoctoral Fellowship (declined)
- 2002-2004 McCormick Fellowship (from the University of Chicago)

Publications and Preprints

1. *The rationality of sol manifolds*, J. Algebra 304 (1) (2006) 190–215.
2. *Cutting and pasting in the Torelli group*, Geom. Topol. (11) (2007) 829–865.
3. *A note on the connectivity of certain complexes associated to surfaces*, to appear in L'Enseignement Math.
4. *An infinite presentation of the Torelli group*, 2007 preprint.
5. (with N. Broaddus and B. Farb) *The Casson invariant and the word metric on the Torelli group*, C. R. Acad. Sci. Paris, Ser. I 345 (2007) 449–452.
6. (with N. Broaddus and B. Farb) *Irreducible Sp -representations and subgroup distortion in the mapping class group*, 2007 preprint.
7. (with J. Birman and D. Johnson) *Symplectic Heegaard splittings and linked abelian groups*, 2007 preprint.
8. *The abelianization of the level L mapping class group*, 2008 preprint.

Invited Talks

1. Georgia Tech Geometry and Topology Seminar, 02/2005
2. Torelli Group Workshop, 07/2006
3. Special Session, Low Dimensional Topology and Geometry, AMS Sectional Meeting, 10/2006

4. Special Session, Mapping Class Groups and Handlebodies, AMS Joint Meeting, 01/2007
5. Cornell Topology and Geometric Group Theory Seminar, 02/2007
6. Yale Topology/Geometry Seminar, 03/2007
7. Columbia Geometric Topology Seminar, 03/2007
8. Topics in Geometric Group Theory, MSRI, 11/2007
9. Tufts Geometric Group Theory Seminar, 02/2008
10. CTQM Master Class on the Torelli group, 03/2008
11. Finite Type Invariants, Fat Graphs and Torelli-Johnson-Morita Theory, CTQM, 03/2008