

Hossein Namazi

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Education

- STONY BROOK UNIVERSITY, MATHEMATICS DEPT. Stony Brook, NY
Jan. 2000 - May. 2005
PhD in Mathematics under supervision of Prof. Minsky.
- SHARIF UNIVERSITY OF TECHNOLOGY, MATHEMATICS DEPT. Tehran, IRAN
Sep. 1995 - Feb. 1999
B.Sc. in Mathematics.

Academic Positions

- UNIVERSITY OF TEXAS AT AUSTIN Austin, TX
Aug. 2008 - Present
Assistant Professor.
- PRINCETON UNIVERSITY, MATHEMATICS DEPT. Princeton, NJ
Sep. 2005 - Aug. 2008
Instructor.
- MATHEMATICAL SCIENCES RESEARCH INSTITUTE Berkeley, CA
Aug. 2007 - Dec. 2007
Postdoctoral Fellowship.
- YALE UNIVERSITY, MATHEMATICS DEPT. New Haven, CT
Aug. 2004 - Aug. 2005
Visiting Assistant in Research in Mathematics.

Research Interests

- Hyperbolic Geometry, Low Dimensional Topology, Kleinian Groups and Teichmüller Theory

Publications

- *Big Heegaard distance implies finite mapping class group*, *Topology and Its Applications* **154** (2007), no. 16, 2939–2949.
- *Heegaard splittings and pseudo-Anosov maps*, with Juan Souto, *Geom. Func. Anal.* **19** (2009), 1195–1228.
- *Quasi-convexity and shrinkwrapping*, *Alg. Geom. Top.* **9** (2009), 2443–2478.
- *Non-realizability and ending laminations - Proof of the Density Conjecture*, with Juan Souto, accepted for the publication in *Acta. Math.*
- *Revisiting Thurston's uniform injectivity theorem*, with Juan Souto, in preparation.
- *Heegaard splittings with bounded combinatorics*, in preparation.
- *Splittings, models and bounds in hyperbolic geometry*, with Jeff Brock, Yair Minsky and Juan Souto, in preparation.
- *Heegaard distance and hyperbolization*, with Jeff Brock, Yair Minsky and Juan Souto, in preparation.

Teaching

- Topology I, Spring 2011, University of Texas at Austin
- Linear Algebra and Matrix Theory, University of Texas at Austin
- Topics course on the complex of curves, Fall 2009, University of Texas at Austin
- Introduction to Number Theory, Fall 2008, University of Texas at Austin
- Integration Theory and Hilbert Spaces, Spring 2008, Princeton University
- Course Head: Several Variable Calculus, Spring and Fall 2006, Princeton University

Awards & Honors

- NSF Grant 0604111 for 3 years
- Clay Mathematics Institute Liftoff Award, Clay Mathematics Institute (Research at Yale University), summer of 2005
- A teaching fellowship and a two month summer stipend from the Office of the Provost, Yale University, 2004-05
- Gold medal winner in Iranian National Mathematics Olympiad, 1995
- Gold medal winner in Iranian National Informatics Olympiad, 1995

Miscellaneous

- Co-organizer, Special Session on Kleinian Groups and Teichmüller Theory, AMS sectional meeting, Albuquerque, Spring 2010.
- Member of A.M.S.
- Co-organizer, joint Topology and Hyperbolic Geometry Learning Seminar, Yale U., Fall 2003