

Curriculum Vitae

Maryam Mirzakhani

General Information **Born:** May 1977, Tehran, Iran.
Citizenship: Iranian

Education **Harvard University**, Cambridge, Massachusetts.
Ph.D. in Mathematics, expected graduation: June 2004.
Thesis Advisor: Curtis T. McMullen.
Sharif University of Technology, Tehran, Iran.
B.S. in Mathematics, 1999.

Research Interests Teichmüller theory, Hyperbolic geometry, Ergodic theory, Symplectic geometry

Papers/ Publications Growth of the number of simple closed geodesics on hyperbolic surfaces. *Preprint, 2003.*
Simple geodesics and the Weil-Petersson of Moduli spaces of bordered Riemann surfaces. *Preprint, 2003.*
Weil-Petersson volumes and the Witten-Kontsevich formula. *Preprint, 2003.*
Ergodic theory of the earthquake flow. In preparation.
A simple proof of a theorem of Schur. *Amer. Math. Monthly* **105** (1998), no. 3, 260–262.
A small non-4-choosable planar graph. *Bull. Inst. Combin. Appl.* **17** (1996), 15–18.
Decomposition of complete tripartite graphs into 5-cycles. In *combinatorics advances*, pages 235–241. Math. Appl., Kluwer Acad. Publ., Dordrecht, 1995.
Elementary number theory, challenging problems (Farsi), Roya Beheshti, Maryam Mirzakhani, Fatemi Publishers, Tehran, Iran, 1999.

Recent talks

Wasatch Topology Conference, University of Utah
Spring 2004
Harvard-MIT Algebraic Geometry Seminar
Spring 2004
Berkeley-Stanford Joint Algebraic Geometry Seminar
Spring 2004
Fellowship of the Ring, Brandeis University
Spring 2004
Geometry Seminar, Boston University
Spring 2004
Geometry Seminar, Rice University
Spring 2004
Conference on Teichmüller space and moduli space, University of Illinois at Chicago
Fall 2003
Geometry Seminar, University of Chicago
Fall 2003
Topology Seminar, Yale University, Fall 2003

Geometry, Representation Theory, and Moduli Seminar, Princeton University,
Fall 2003

Ergodic Theory and Statistical Analysis Seminar, Princeton University,
Fall 2003

Geometry seminar, Indiana University, Spring 2003.

Geometry seminar, Brown University, Spring 2003.

**Awards /
Honors**

Clay Mathematics Institute Research Fellow
2004-

Harvard Junior Fellowship
Harvard University, 2003.

Merit fellowship
Harvard University, 2003.

IPM Fellowship
The Institute for theoretical Physics and Mathematics,
Tehran, Iran, 1995-1999.

International Mathematical olympiad (Canada 1995)
Gold medal.

International Mathematical Olympiad (Hong Kong 1994)
Gold medal.