Curriculum Vitae

Reza Chamanara

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Academic Positions

- Lecturer, Institute for Mathematical Sciences, SUNY at Stony Brook, 2006-2008
- Post doctoral fellow, Fields Institute, Toronto, Canada Spring 2006
- Visiting assistant professor, Indiana University, Bloomington, Indiana, Fall 2005
- Zorn post-doctoral fellow, Indiana University, Bloomington, Indiana, 2002- 2005

Education

- 1997 - 2002 CUNY Graduate Center New York , US, Ph.D. in Mathematics
- 1995 - 1997 Sharif University of Technology, Tehran, Iran, MS in Mathematics
- 1992 - 1995 Sharif University of Technology Tehran, Iran, BS in Mathematics

Ph.D. Thesis

Affine automorphism groups of surfaces of infinite type
CUNY Graduate Center, 2002.
Under the supervision of Professor *Linda Keen* and Professor *Frederick Gardiner*

Research Interests

- Riemann surfaces and Teichmüller spaces
- Kleinian groups
- Hyperbolic geometry
- Real and complex dynamics
- Projective and affine structures on surfaces
- Topology of 3-manifolds
- Combinatorial Geometry
- Complex analysis

Publications, preprints, and works in progress

• *Affine automorphism groups of surfaces of infinite type*
In the Tradition of Ahlfors and Bers, III, Contemporary Mathematics Proceedings, July 2004.

• *Finite simultaneous bending*
Conform. Geom. Dyn. 10 (2006), 203-226.

• *A Hyperelliptic Realization of the Horseshoe and Baker Maps*
Joint with F. P. Gardiner and N. Lakic,
To Appear in the Journal of Ergodic Theory and Dynamical Systems.

• *Bending Invariants of Piecewise circular Jordan curves: I Rigidity*, preprint

• *Rigidity of time-like inversive distance disk patterns*, in preparation

• *Convex hull invariants of time-like inversive distance disk patterns*, in preparation

• *Surfaces of infinite type with free automorphism groups*, in preparation

Invited Talks

• *Convex Ideal Hyperbolic Polyhedra and Bending Invariants of Jordan Curves*
CUNY graduate Center complex analysis seminar, November 2006

• *Bending Invariants of Jordan Curves*
Special Session on Teichmuller Theory and Hyperbolic Geometry, October 2006
Fall Eastern Section AMS Meeting

• *Ideal hyperbolic polyhedra and bending invariants of Jordan Curves*
Hyperbolic geometry Workshop, Fields Institute, Toronto, Canada, May 2006

• *Affine automorphism groups of surfaces of infinite type*
Dynamical Systems Seminar, Fields Institute, Toronto, Canada, May 2006

• *Finite simultaneous bending and ideal disk patterns*
CUNY graduate Center complex analysis seminar, September 2005

• *Simultaneous bending of projectively convex, piecewise circular C^1 Jordan curves*
University of Warwick, Coventry, UK, May 2004

• *Finite simultaneous bending theorem*
University of Warwick, Coventry, UK, May 2004

• *Simultaneous bending of projectively convex, piecewise circular C^1 Jordan curves*
University of Southern California, AMS sectional meeting, April 2004

• *Simultaneous bending of Jordan curves*
CUNY graduate Center complex analysis seminar, November 2003

• *Surfaces of infinite type with free automorphism groups*
Oregon State University, Corvallis, Oregon, Ergodic Theory Conference, July 2003

• *Affine automorphism groups of surfaces of infinite type*
Indiana University, Bloomington, AMS sectional meeting, April 2003
Workshop on applications of Teichmüller theory in geometry

• *Affine automorphism groups and invariant Teichmuller disks*
SUNY at Stony Brook, Seminar in Dynamical Systems, February 2002

• *Affine automorphism groups of surfaces of infinite type*
The 2001 Ahlfors-Bers colloquium at University of Connecticut, October 2001

Teaching Experience

• Instructor, Stony Brook University, Fall 2006.
Calculus C

• Instructor, Indiana University, Bloomington, Fall 2002 through Fall 2005.
Calculus, Multi-variable Calculus, Linear Algebra, Finite Mathematics, Instructor and Coordinator for Mathematics for Elementary School Teachers

• Instructor, City College of New York. Fall 1999 through Spring 2002.
Intermediate algebra, Calculus I, and Calculus II.

• Instructor, Queens College , New York, Summer 1999.
Intermediate algebra.

• Instructor, Sharif university of technology, Tehran, Iran, Spring 1996.
Linear algebra.

Awards and Fellowships

• CUNY Graduate Center, Dissertation award, May 2002

• CUNY Graduate Center, Dissertation fellowship 2001-2002

• CUNY Graduate Center, Graduate Teaching Fellowship Fall 1999- Spring 2002

• CUNY Graduate Center, CUNY science fellowship Fall 1997- Spring 1999

• Institute for Studies in Theoretical Physics and Mathematics (IPM)
Research fellowship, Dynamical Systems research group, Tehran, Iran, Spring 1995- Spring 1997

• Sharif University of technology, Tehran, Iran
Received outstanding recognition as the top MS graduate Spring 1997

Editorial Experience

• Reviewer for Proceedings of the American Mathematical Society, Winter 2003

• Referee for Journal of Discrete and Computational Geometry, Spring 2003

References

• Professor Linda Keen, linda.keen@lehman.cuny.edu, CUNY
• Professor Francis Bonahon, fbonahon@math.usc.edu,
University of Southern California
• Professor Christopher Judge, cjudge@indiana.edu, Indiana University
• Professor Frederick P. Gardiner, fgardiner@gc.cuny.edu, CUNY
• Professor Caroline Series, cms@maths.warwick.ac.uk, University of Warwick
• Professor Jiri Dadok, dadok@indiana.edu, Indiana University
• Professor Jozef Dodziuk, jozek@derham.math.qc.edu, CUNY