

GIUSEPPE TINAGLIA

Curriculum Vitae

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EDUCATION

- JOHNS HOPKINS UNIVERSITY, Ph.D. candidate, Mathematics May 2005
Dissertation: *Multi-valued graph in embedded constant mean curvature disks*
Advisor: Dr. William Minicozzi
- UNIVERSITY of BOLOGNA, Laurea in Mathematics, Summa cum Laude May 2001
Advisor: Dr. Massimo Ferri

RESEARCH

Research Interests: Minimal Surfaces, Geometric Analysis, PDE.

Dissertation Abstract: Let M be a non-zero constant mean curvature embedded disk with Gaussian curvature large at a point then M contains a multi-valued graph around that point on the scale of the norm squared of the second fundamental form.

Current Work: Structure theorems for the embedded solutions of the Plateau problem given some restrictions on the boundary.

HONORS

- Krieger School of Arts & Sciences Teaching Assistant Award*, Finalist 2003
Johns Hopkins University
- William Kelso Morrill Award for Excellence in the Teaching of Mathematics* 2003
Department of Mathematics, Johns Hopkins University
- J. Brien Key Graduate Student Assistance Award* 2003
Johns Hopkins University
- Rotary Club Award for Best Student in the Sciences*, University of Bologna 2001
- Summa Cum Laude*, Department of Mathematics, University of Bologna 2001

PAPERS

- G. Tinaglia, *Multi-valued graphs in embedded constant mean curvature disks*, Transactions of the AMS, to appear, math.DG/0409184.
- G. Tinaglia, *Local behavior of embedded constant mean curvature disks*, Seminari di Geometria 2001-2004, Università di Bologna, Bologna, (73-80).

GRANTS AND SCHOLARSHIPS

- Travel Grant from the Johns Hopkins University and Texas A&M University to attend "Geometry and Topology," Texas A&M University, October 29-31, 2004.

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Travel Grant from the Johns Hopkins University to attend "Geometric and Nonlinear Conference," Notre Dame University, September 19-21, 2004.

Travel Grant from Duke University to attend "The Third Duke Mathematical Journal Conference," Duke University, April 23-25, 2004.

Travel Grant from the Johns Hopkins University to attend "Geometric Analysis," MSRI, December 1-5, 2003.

Travel Grant from Washington University in St. Louis to attend "Midwest Geometry Conference," Washington University in St. Louis, May 30–June 1, 2003.

Full Tuition Fellowship and Stipend, Department of Mathematics, Johns Hopkins University, since 2001.

Travel Grant from University of Bologna to attend "Matematica e Cultura 2001", Ca' Foscari University, Venice, March 2001.

TALKS

Local behavior of embedded constant mean curvature disks, Fall 2004
Analysis Seminar, Johns Hopkins University

Multi-valued graphs in constant mean curvature embedded disks, Fall 2004
Graduate Seminar, Johns Hopkins University

Minimal surfaces: An introduction, Fall 2004
Graduate Seminar, Johns Hopkins University

Local behavior of embedded constant mean curvature disks, Fall 2003
Geometry Seminar, University of Bologna, Italy

TEACHING EXPERIENCE

Instructor, *Introduction to Calculus*, Johns Hopkins University Fall 2004

Instructor, *Linear Algebra*, Johns Hopkins University Summer 2004

Instructor, *Calculus III*, Johns Hopkins University Summer 2003

Graduate Teaching Assistant, Johns Hopkins University since Fall 2001
Calculus I, Calculus II, Calculus III, Linear Algebra, Honors Multivariable Calculus and Linear Algebra.

RELATED PROFESSIONAL EXPERIENCES

Graduate Representative for the Johns Hopkins University Mathematics Department Steering Committee.

Member of the American Mathematical Society.