

Joan E. Licata

Curriculum Vitae

Department of Mathematics, Stanford University, Building 380, Stanford, CA 94305

Phone: (203) 507-7315, E-mail: jelicata@stanford.edu

- Personal** United States citizen
- Research Interests** Heegaard Floer theory, knot theory, three-manifolds
- Employment** Szego Assistant Professor, Stanford University
- Education** **Yale University, 2001-2007**
PhD, Mathematics
Thesis advisors: Andrew Casson, Peter Ozsváth
Heegaard Floer link homology, the Thurston norm,
and minimal-complexity surfaces
- Columbia University, fall 2006**
Exchange Scholar
- Brown University, 1997-2001**
Sc.B. Magna Cum Laude, Mathematics
- Budapest Semesters in Mathematics, spring 2000**
- Distinctions** National Science Foundation Graduate Fellowship Honorable Mention
- David Howell Premium for Excellence in Mathematics
Brown University Department of Mathematics, 2001
- Phi Beta Kappa
- Papers and Invited Talks** “The Thurston polytope for four-stranded pretzel links”
arXiv: math.GT/0609466, submitted for publication
- Topology Seminar, University of Texas at Austin, 2006
Pretzel links and the Thurston polytope
- Topology Seminar, Yale University, 2006
Pretzel links and the Thurston polytope
- Geometric Topology Seminar, Columbia University, 2006
Pretzel links and the Thurston polytope
- Graduate Student Seminar, Yale University, 2006
An introduction to Heegaard Floer theory
- Graduate Topology Seminar, Yale University, 2004
Ian Agol’s paper on small three-manifolds of large genus

Graduate Topology Seminar, Yale University, 2003
Brian Bowditch's proof of the hyperbolicity of the curve complex

Conferences Attended Park City Mathematics Institute Graduate Summer School
workshop on low-dimensional topology, 2006

3-Manifolds after Perelman
Edinburgh, Scotland, 2006

Joan Birman's Birthday Conference
New York, NY 2005

Clay Mathematics Institute Summer School
Gauge Theory, Floer Homology, and Low-Dimensional Topology
Budapest, Hungary 2004

Cornell Topology Festival
Ithaca, NY 2003-2005

Topology of Manifolds of Dimensions 3 and 4
Austin, TX, 2003

Teaching Instructor, Yale University
Multivariable Calculus (Math 120), fall 2005, spring 2007
Differential Calculus (Math 112), fall 2004
Integral Calculus (math 115), fall 2003

Teaching Assistant, Park City Mathematics Institute Graduate Summer School
Dehn Surgery and 3-manifolds, 2006

Graduate Teaching Center staff member, Yale University
Led workshop series "Fundamentals of Teaching Quantitative Reasoning"
Taught workshop for graduate students and postdocs teaching undergraduate science courses:
"Teaching Problem Solving"
Co-organizer of Spring Teaching Forum at Yale, 2006

Yale College Math and Science Tutor
Tutored undergraduates in all mathematics classes and related courses in other disciplines
Led academic orientation sessions for incoming minority students

Teaching Assistant, Yale University
Linear Algebra, spring 2003

Calculus Tutor, Yale University