

Curriculum Vitae

Jesse Ratzkin
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Education

- B.A., University of California at Berkeley, May 1995
 - Ph.D., University of Washington, August 2001
 - Thesis title: An End to End Gluing Construction for Surfaces of Constant Mean Curvature
 - Thesis Advisor: Daniel Pollack
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Research Interests: Geometric Analysis, Riemannian Geometry

Employment: VIGRE Instructor, University of Utah: August 2001–present

Honors and Awards: VIGRE fellow, January–June 2001

Publication: An End to End Gluing Construction for Metrics of Constant Positive Scalar Curvature. *Indiana Univ. J. Math.* 52:703–726, 2003.

Invited Lectures

- GANG seminar, Univ. Mass. at Amherst, April 2001 and February 2002
 - Winter Meeting of the Canadian Mathematical Society, December 2001
 - Topology seminar, Georgia Tech, December 2002
 - National meeting of the AMS, Phoenix, AZ, January 2004
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Teaching Experience

- Classes taught at University of Utah: partial differential equations for engineers (fall 2003), topics in Riemannian geometry: the Yamabe problem (spring 2003), trigonometry (fall 2002), linear algebra (spring 2002), ordinary differential equations (fall 2001)
 - Classes taught at University of Washington: multivariable calculus (summer 2000 and spring 1999), ordinary differential equations (summer 1999), first year calculus (summer 1997), remedial algebra (winter 1997)
 - I have also assisted in teaching classes ranging from freshman calculus to graduate geometry and topology, leading discussion sections, staffing drop-in tutoring centers, and grading.
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Other Activities:

- organizer of graduate student geometry seminar, 1998–2000
- faculty advisor for the graduate student geometry seminar, August–December, 2002
- co-organizer of research level PDE/Differential Geometry seminar, August 2003–present
- assisted with a VIGRE Minicourse in variation methods and nonlinear PDE, particularly in organizing a series of lectures on minimal surfaces, May 2002
- assisted with a VIGRE Minicourse in nonlinear wave phenomena, August 2003
- led a series of three lectures in Math Circle, a high school outreach program, April 2003
- assisted with the Math Circle program, September 2002–present

Preprints and references available upon request.