

Peter M. Gerdes

Curriculum Vitae

Contact Department of Mathematics
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University of California, Berkeley
Berkeley, CA 94720

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Research Interests

Computability theory and the relation of set/function properties to computational strength.

Education

Ph.D., Group in Logic and Methodology of Science, in progress (expected Spring 2008)
University of California, Berkeley
Berkeley, Ca
Thesis: (forthcoming) *Moduli of Computation*
Adviser: Prof. Leo A. Harrington

B.S., Mathematics (with honor), Spring 2001
California Institute of Technology
Pasadena, CA

Honors

Eric Temple Bell Undergraduate Mathematics Research Prize
Awarded in 2000
A cash prize of \$500 awarded for the best original mathematics paper written by a Caltech junior or senior.

Physics 11 Program
Awarded in 1998
One of a handful (~10) of students selected on the basis of solutions to open-ended modeling problems to participate in the physics 11 research program and receive summer research support.

Publications

- [1] S. Gao and P. M. Gerdes, “Computationally enumerable equivalence relations,” *Studia Logica*, vol. 67, pp. 27–59, Feb. 2001.

Publications Refereed

- [1] A. E. Lewis, “On a question of Slaman and Groszek,” *Proceedings of the American Mathematical Society*, To Appear.

Talks

Sets With A Non-Uniform Self-Modulus January 2008, ASL Winter Meeting.

Sets With A Self-Modulus Bounding No Non-Recursive Δ_α^0 Set April 2007, Graduate Student Conference In Logic.

Comments in response to *Belief and Beyond: Toward a New Orientation in Epistemology* May 2005, Formal Epistemology Workshop.

Teaching Experience

2007 Spring	TA for “Analytic Geometry and Calculus” with Prof. Silver. (Math Dept.)
2006 Fall	TA for “Analytic Geometry and Calculus” with Prof. Woodin. (Math Dept.)
2006 Spring	TA for “Philosophy of Science” with Prof. Skokowski. (Philosophy Dept.)
2005 Fall	TA for “Introduction to Philosophy of Science” with Prof. Skokowski. (Philosophy Dept.)
2005 Spring	TA for “Introduction to Logic” with Prof. Fitelson. (Philosophy Dept.)
2004 Fall	TA for “Introduction to Logic” with Prof. Fitelson. (Philosophy Dept.)
2004 Spring	TA for “Linear Algebra & Differential Equations” with Prof. Liu. (Math Dept.)
2003 Fall	TA for (freshman) “Calculus” with Prof. Wu. (Math Dept.)
2003 Spring	TA for (freshman) “Calculus” with Prof. Stankova. (Math Dept.)
2002 Fall	TA for “Linear Algebra & Differential Equations” with Prof. Gu. (Math Dept.)
2002 Spring	TA for (freshman) “Calculus” with Prof. Weinsten. (Math Dept.)

Attended Berkeley Mathematics Department training course for teaching assistants.

January 22, 2008