

Peter M. Gerdes

Curriculum Vitae

Contact

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Education

Ph.D., Group in Logic and Methodology of Science, Fall 2008
University of California, Berkeley
Berkeley, CA
Thesis: *Moduli of Computation*
Adviser: Prof. Leo A. Harrington

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

Work

Visiting Assistant Professor (Postdoc), 2008-2011
Mathematics Department
University of Notre Dame du Lac
Notre Dame, IN 46556

Short Term Assignment As Software Engineer, Sep. 2011
Sourcemap Inc.
614 Massachusetts Ave #201
Cambridge, MA 02139

Responsibilities:

PHP and javascript development
Version Control and migration from subversion to git
Platforms: Kohana, Codeignitor, jquery

Teaching Assistant in Population Bioethics, Spring, Fall 2012

Publications

- [1] Uri Andrews, Peter Gerdes, and Joseph S Miller, *The degrees of bi-hyperhyperimmune sets*, Annals of Pure and Applied Logic **165** (2014), no. 3, 803–811.
- [2] Peter A Cholak, Peter Gerdes, and Karen Lange, *\mathcal{D} -maximal sets*, The Journal of Symbolic Logic **80** (2015), no. 4, 1182–1210.
- [3] Peter A Cholak, Peter M Gerdes, and Karen Lange, *On n -tardy sets*, Annals of Pure and Applied Logic **163** (2012), no. 9, 1252–1270.
- [4] Su Gao and Peter Gerdes, *Computably enumerable equivalence relations*, Studia Logica **67** (2001), no. 1, 27–59.
- [5] Peter Michael Gerdes, *Moduli of computation*, Ph.D. thesis, University of California, Berkeley, 2009.

Presentations

A ω -REA Set Forming A Minimal Pair With $0'$, September 2010, Midwest Computability Seminar
n-Tardy Sets, July 2009, Computability in Europe

Computable in Every Majorizing Function, November 2008, Midwest Computability Seminar

Uniformly Computable in Every Faster Growing Function, October 2008, AMS Eastern Sectional
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

Courses Taught

2008 Fall	“Calculus B”
2009 Fall	“Calculus III”
2009 Spring	“Probability and Statistics”
2010 Spring	“Topics in Logic” (covering higher recursion theory)
2010 Fall	“Calculus III”
2011 Spring	“Calculus III”

Courses TAed

2012 Spring	TF for “Ethical Basis of Public Health” with Prof. Wikler (Harvard School of Public Health)
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.