

## Curriculum Vitae

Peter Barendse

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### Education

May 2010                      Ph.D. Mathematics, Boston University (expected)

May 2004                      B.S. Mathematics, University of Vermont

### Awards

2006-2007                      NSF GK-12 Fellowship  
Graduate School of Arts and Sciences, Boston University

2004                              Presidential Fellowship (mathematics)  
Graduate School of Arts and Sciences, Boston University

2004                              Senior Award  
Dept. of Mathematics and Statistics, University of Vermont

2004                              Sigma Xi, Associate Member

### Publications

2009                              "Partition-theoretic equivalents of subtle cardinals in  $\mathcal{P}_{\kappa}\lambda$ ",  
submitted to Fundamenta Mathematicae

2009                              "The 'composition' of large cardinal axioms", preprint

### Teaching

Fall 2009/Spring 2010              Instructor, Boston University (Mathematical Logic/Set Theory)

Summer 2009                      Instructor, Boston University Summer (Differential Equations)

Summer 2007                      Instructor, Boston University Summer (Calculus II)

Fall 2006 – Spring 2009              Teaching Fellowship, Boston University (Calculus I, II, and III,  
Discrete Math, Complex variables, and Probability)

Fall 2007 – Spring 2007              NSF GK-12 Fellowship,  
Boston University and Newton North High School

Summer 2005                      Instructor, Boston University Summer (Calculus II)

Summer 2005 Online Instructor, Metropolitan College, Boston University  
(Calculus, Statistics, and Probability)

2002-2003 Associate Instructor, Vermont Mathematics Initiative

2001-2003 Instructor, The Princeton Review, Inc.

#### Talks

2008 "Some New Equivalences of Subtlety",  
MIT Logic Seminar

2009 "Subtlety and Indescribability; Coherence and Composition",  
MIT Logic Seminar

2008 "Regressive Partition Relations and Large Cardinals",  
MIT Logic Seminar and Dartmouth Logic Seminar

2007 "On a Theorem of Jech and Shelah", MIT Logic Seminar

2006 "Infinite trees and Ramsey-type questions",  
Boston University Student Dynamics Seminar

2006 "Nonlocal Cellular Automata",  
Boston University Dynamics Conference (Contributed Talk)

2006 "Infinite cellular automata",  
Boston University Student Dynamics Seminar

2004 "The number of components of the basin of attraction of the tent  
map goes to infinity as the slope approaches one",  
Boston University Student Dynamics Seminar

2006 "Three types of undecidable questions", (with Ivan Zaigrallin)  
Boston University Student Dynamics Seminar

#### Conferences Attended

2008 European Summer Conference, Association for Symbolic Logic  
Bern, Switzerland

2007 Annual Meeting of the Association for Symbolic Logic  
Gainesville, Fl., U.S.A.

2007 Joint Conference of the AMS / MAA  
New Orleans, La., U.S.A.

#### Other

I speak Spanish (ILR level 4 fluency), and Mandarin Chinese (ILR level 1 fluency). I am also proficient in Java, Javascript, C++, HTML, SQL, Mathematica, and Matlab, and all operating systems.