

Curriculum Vitae

DILIP RAGHAVAN

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Date of Birth: 1980 (Tamil Nadu, India)
Citizenship: Indian
Date of CV: November 2007

Education

Ph.D., M.S. Expected in 2008, UW–Madison, Mathematics (Advisors: K. Kunen, B. Kastermans).
Minor: Philosophy
B.A. 2001 College of Wooster, Wooster, OH, Mathematics (with Honors)
B.A. 2001 College of Wooster, Wooster, OH, Philosophy (with Honors)

Employment

09/07 – Teaching Assistant, Department of Mathematics, UW–Madison
01/07 – 06/07 Research Assistant, Department of Mathematics, UW–Madison
(supported on K. Kunen’s NSF grant)
09/01 – 12/06 Teaching Assistant, Department of Mathematics, UW–Madison
(also ran orientation program for incoming international TAs during Summer)
02/01 – 09/01 Research Analyst, Princeton Brand Econometrics, New York, NY
12/00 – 02/01 Quantitative Analyst, Goodyear, Akron, OH

Awards

2001 The Remy Johnston Memorial Prize in Philosophy, College of Wooster, Philosophy Dept.
(awarded to a senior Philosophy major who has shown outstanding progress in developing philosophical skills and promise as a philosopher)

Research interests

Set Theory and General Topology

Research Papers

1. *There is a Van Douwen MAD family*, Preprint, available at <http://arxiv.org/abs/0711.4400>
2. *Strongly and Very MAD families*, In preparation.
3. (with K. Kunen) *Consistency of no Gregory trees with large continuum*, In preparation.

Talks and Presentations

Southern Wisconsin Logic Colloquium, UW–Madison

2007 Nov. Solution to a problem of Van Douwen and analytic MAD families in ω^ω .

2007 Mar. Strongly MAD families.
2005 May Generalized iteration of forcing.

Graduate Participation Seminar, UW–Madison

2007 Oct. A basic introduction to small cardinals.
2006 Dec. P-Ideal dichotomy.
2005 May Generalized iteration of forcing.
2004 Dec. The GCH at measurable cardinals.

Teaching activities

Led discussion/recitation section associated with a lecture for:

- Calculus and Analytic Geometry II (Math 222) (taught 4 times)
- Discrete Mathematics (Math 240) (taught once)
- Precalculus (Math 114) (taught once)
- Calculus with Algebra and Trigonometry I (Math 171) (taught once)
- Calculus with Algebra and Trigonometry II (Math 217) (taught once)
- Business Calculus (Math 211) (taught once)

I was responsible for showing the students how to solve selected homework problems, for working out key and illustrative examples, answering questions, conducting review sessions and giving the students regular feedback by grading HW assignments and quizzes.

Courses Taught Independently

- Trigonometry (Math 113) (taught twice)

I was responsible both for giving lectures explaining the theory and for going over HW problems etc.

Other Teaching Activities

- TA Coordinator (mentor and observe incoming TAs assigned to a lecture)
- International TA Training (mentor, observe and train incoming international TAs)

Membership in Professional Organizations

- American Mathematical Society
- Association for Symbolic Logic

Other Organizational Activities

- Departmental Steward for the Teaching Assistants' Association (The graduate students' Labor Union at UW–Madison)