

Institut Camille Jordan
Université Claude Bernard Lyon I
43 Boulevard du 11 Novembre 1918
69622 Villeurbanne cedex
France

Phone: +33 (0)4 72 44 62 00
Fax: +33 (0)4 72 43 16 87
Email: janak@janak.org
<http://www.janak.org/>

Personal Data

United States Citizen (also Overseas Citizen of India); age 30.

Education

- Ph.D. Mathematics, University of California, Berkeley, December 2008. Dissertation: “Types in O-Minimal Theories.” Supervisor: Prof. Thomas Scanlon.
- A.B. Mathematics, Harvard University, 2001, *Cum Laude*.

Employment

- Post-doctoral researcher in mathematics, University of Lyon I, September 2008-present.
- Intern (paid) at Google, Inc. Summer 2007.
- Senior programmer at Columbia University Medical Center. Summers, 1998-2006.
- Contractor, created workshift accounting system for Berkeley Student Cooperative. 2006.
- Public service fellow, developed middle-school mathematics curriculum in India, 2001-2.

Working Papers

- Ramakrishnan, J. “Maximal small extensions of o-minimal structures,” *Mathematical Logic Quarterly*, to appear, arXiv:0712.0591 [math.LO], 2009.
- Ramakrishnan, J. “Functions continuous on curves in o-minimal structures,” submitted, arXiv:0902.4612v1 [math.LO], 2009.
- Ramakrishnan, J. “Uniform bounds on growth in o-minimal structures,” submitted, being revised according to the referee’s suggestions, arXiv:math/0703776 [math.LO], 2009.
- Ramakrishnan, J. “Types in o-minimal theories,” doctoral dissertation, 2008.
- Ramakrishnan, R., Ramakrishnan, J. “Utilizing mass measurements in tracer studies – A systematic approach to efficient modeling,” *Metabolism* 57 (2008), pp. 1078-1087.
- Ramakrishnan, R., Ramakrishnan, J. “A state space transformation can yield identifiable models for tracer kinetic studies with enrichment data,” submitted, 2009.

Talks

- Invited talk at Association for Symbolic Logic 2009 Annual Meeting Special Session on Model Theory at Notre Dame University, “Types in o-minimal theories,” 22 May 2009.
- Invited talk at BIRS Meeting: Stability Theoretic Methods in Unstable Theories, “Classifying n -types in o-minimal theories,” 13 February 2009.
- Presented poster at MODNET Barcelona Conference, “Extending functions continuously in o-minimal structures,” 3-7 November, 2008.

- Invited talk at American Mathematical Society Sectional Meeting Special Session on Model Theory and its Applications at Wesleyan University, “Scale, decreasing types, and extending functions continuously in o-minimal theories,” 11 October 2008.
- Talk at University of Lyon I, “Scale, decreasing types, and extending functions continuously in o-minimal theories,” 2 October 2008.
- Invited talk at “Second Workshop on Model Theory: Dependent Theories,” at Universidad de los Andes, “Type classification in o-minimal theories,” March 2008.
- Invited talk at McMaster University, “Two applications of cuts and noncuts,” Model Theory Seminar, November 2007.

Teaching Experience at University of California, Berkeley

- Primary instructor, class on pedagogy, classroom techniques for new G.S.I.’s (Math 300), Spring 2005.
- Graduate Student Instructor (G.S.I.), upper division linear algebra (Math 110), Spring & Fall 2007.
- Classroom observer of and consultant for new G.S.I.s, on classroom techniques and teaching methods, Fall 2003, Fall 2004, Fall 2006.
- G.S.I., honors linear algebra and differential equations (Math H54), Fall 2005.
- G.S.I., mathematics of the secondary school curriculum: rigorous math and teaching methods for future high school math teachers (Math 151), Spring 2008.
- G.S.I., calculus (Math 1B), Spring 2003, Spring 2004.
- (See Service following for other teaching experience)

Service

- Mathematics Graduate Students Association Officer, UC Berkeley, 2003-2007, 2008.
- Many Cheerful Facts Seminar organizer, UC Berkeley, 2003.
- Computer Committee Student Member, UC Berkeley, 2005-2006.
- Departmental Chair Selection Committee Student Member, UC Berkeley, 2006.
- President of Stebbins Hall, a Berkeley Student Co-operative, overseeing 64 student members, 2004-6, and President/Manager of Northside Co-op, overseeing 21 members, 2006-8.
- Mathematics Volunteer Tutor, San Quentin Prison College Program, 2003-2007.
- Mathematics teacher, Olcott Memorial High School, India, on Stride-Rite Public Service Fellowship: designed and taught curriculum to first-generation-literate middle-school students, 2001-2002.

Honors and Awards

- Outstanding Graduate Student Instructor Award, University of California, Berkeley, 2007.
- Walter Hill Fellowship, University of California, Berkeley, 2002.