

Curriculum Vitae

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Education

B.Sc. in pure mathematics, Sharif University of Technology, Tehran, Iran 1991
M.Sc. in pure mathematics, Sharif University of Technology 1993
Ph.D. in Mathematical Logic, University of Claude Bernard (Lyon1) France 1997

Professional Experience

Assistant professor at the university of Isphahan, Isphahan, Iran 1998-1999
Assistant professor at the university of Khansar, Khansar, Iran 1999-2000
Assistant professor at the university of Tarbiat Modares, Tehran, Iran 2000-2010
Associate professor at the university of Tarbiat Modares, Tehran, Iran Since 2010

Attache Temporaire d'Enseignement et de Recherche (ATER), University of
Claude Bernard (Lyon1), France 2003-2004

Junior researcher at the institute for researches in fundamental sciences (IPM),
Tehran, Iran, 1998-2012

Fields of Interest

- Continuous model theory: Model theory of metric and/or measure structures.
My focus is model theory of the linear fragment of continuous logic.
- Model theory of non-classical structures.
- I am also interested to ancient iranian languages and try to employ them for improving pure persian as a scientific language for logic and mathematics.

Papers and preprints

1. Ordre fondamental d'une théorie mono-basée; *The Journal of Symbolic Logic*, Vol. 64 No.4 Dec. 1999
2. On translations of complete first order theories; *Mathematical Logic Quarterly*, 49, No.1, 87-91 (2003)
3. (joint with Moj. Moniri) Some results on Kripke models over an arbitrary fixed frame; *Mathematical Logic Quarterly* 49, No.5, 479-484 (2003)
4. (Joint with Moj. Moniri), Joint embedding and amalgamation for certain classes of ordered fields. *J. Appl. Algebra Discrete Struct.* 3 (2005), no. 3, 159–167
5. (joint with Moj. Moniri and J. S. Eivazloo), Automorphisms of ordered fields, extendability and the Bolzano-Weierstrass property, presented in 12th seminar on mathematical analysis and its applications, Gilan University, Rasht, Iran, Jan. 2002
6. Categoricity and quantifier elimination for intuitionistic theories, *Lecture Notes in Logic* 26, *Logic in Tehran, Proceedings of the workshop and conference on logic, algebra, and arithmetic* (2003)
7. Some preservation results in an intermediate logic, *Math. Log. Quart.* 52, No. 2, 125-133 (2006)
8. (Joint with M. Pourmahdian) Diagram construction in intuitionistic logic, *Logic Journal of IGPL* Vol.16 No.6, 889-901 (2006)
9. (joint with M Pourmahdian) Elementary amalgamation and joint embedding property for intermediate logics, the *Logic Journal of IGPL*, vol.16 No. 6 (2008)
10. (joint with B. Poizat and M. Pourmahdian) An arithmetic view to first order logic, *Annals of Pure and Applied Logic*, 161 (2010) 745-755
11. (joint with M Pourmahdian) Omitting types in an intermediate logic, *Studia Logica* (2011) 97: 319-328
12. (joint with M. Pourmahdian) The logic of integration, *Archive for Math Logic*, (2009) 48: 465-492
13. A Łoś type theorem for linear metric formulas, *Mathematical Logic Quarterly* 56 No. 1 78-84 (2010)
14. (joint with K. Khanaki) Random variables and integral logic, *Mathematical Logic Quarterly*, vol. 57, Issue 5, p. 494-503 (2011)

15. (joint with A. R. Mofidi) Quantified universes and ultraproducts, *Mathematical Logic Quarterly*, vol. 58, Issue 1-2, p. 63-74, (2012)
16. (joint with M. Moniri) Preservation theorems in Lukasiewicz model theory. *Iran. J. Fuzzy Syst.* 10 (2013), no. 3, 103-113, 180
17. (joint with R. Safari) Preservation theorems in linear continuous logic. *MLQ Math. Log. Q.* 60 (2014), no. 3, 168-176
18. (joint with R. Safari) On the ultramean construction. *Iran. J. Math. Sci. Inform.* 9 (2014), no. 2, 109-119, 131
19. (joint with R. Safari) Completeness for linear fragment of continuous logic. To appear in the *Logic Journal of IGPL*
20. Linear model theory for Lipschitz structures. *Arch. Math. Logic* 53 (2014), no. 7-8, 897-927
21. (joint with M. Malekghasemi) Consistency and interpolation in linear continuous logic (submitted)
22. Linearly definable sets in compact structures (submitted)
23. (joint with M. Malekghasemi) Maximality of linear continuous logic (submitted)
24. Linear continuous \mathcal{L}^p -logic (preprint)
25. Metric, measure and logic (preprint)