

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.
I am mainly working on the linear fragments of continuous logic.
- Model theory for non-classical structures.
- I am also interested to ancient iranian languages. They can (and should) be used to improve modern persian as a scientific language. I try to encourage logicians and mathematicians to find and use pure persian words for these areas.

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 Systems*, 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, *Iranian Journal of Mathematical Sciences and Informatics*, 9 (2014), No. 2, 109-119, 131.
19. (joint with R. Safari) Completeness for linear fragment of continuous logic, *Journal of Logic and Computation* 27 (4), 985-998.
20. Linear model theory for Lipschitz structures. *Arch. Math. Logic* 53 (2014), No. 7-8, 897-927.
21. (joint with M. Malekghasemi) Maximality of linear continuous logic, *Mathematical Logic Quarterly* 64 (3), 185-191.
22. The logic of linear propositions, *Logic Journal of the IGPL*, Volume 27, Issue 6, December 2019, Pages 836-846.
23. (joint with M. Malekghasemi) Consistency and interpolation in linear continuous logic (submitted).
24. The isomorphism theorem for linear fragments of continuous logic *Mathematical Logic Quarterly* 67 (2), 193-205.
25. (joint with F. Fadaei) Linear formulas in continuous logic, to appear in the *Iranian Journal of Mathematical Sciences and Informatics*.