

List of Publications

Gábor Sági

Appeared or accepted:

1. J. Madarász, I. Németi, G. Sági, On the Finitization Problem of Relation Algebras, *Bulletin of the Section of Logic*, 1997, 3, pp. 140-145.
2. G. Sági, A Model Theoretic Characterisation of Complexity of Theories, *Bulletin of the Section of Logic*, 1998, 4, pp. 190-195.
3. I. Németi, G. Sági, On the Equational Theory of Representable Polyadic Equality Algebras, *Journal of IGPL*, 1998, 1, pp. 2-16.
4. G. Sági, Defining Relations for Finite, Non-Bijective Selfmaps, *Semigroup Forum*, 1999, vol. 58, pp. 94-105.
5. I. Németi, G. Sági, On the Equational Theory of Representable Polyadic Equality Algebras, *Journal of Symbolic Logic*, 2000, vol.65, No. 3, pp. 1143-1167.
6. G. Sági, A Completeness Theorem for Higher Order Logics, *Journal of Symbolic Logic*, 2000, vol. 65, No. 2, pp. 857-884.
7. G. Sági, Non-Computability of the Equational Theory of Polyadic Algebras, *Bulletin of the Section of Logic*, 2001, 3, pp. 155-165.
8. G. Sági, A note on algebras of substitutions, (Old title: Modal Logic of Substitutions, an Algebraic Approach.) *Studia Logica*, Vol. 72, pp. 265--284 (2002).
9. G. Sági, Ultraproducts and Higher Order Formulas, *Math. Logic Quarterly*, 48 (2002), 2, pp. 261--275.
10. G. Sági, A Note on Expressive Power Of Fixed-Point Logics, *Trans. on Syst 5* (2004), 3, pp. 1929—1933.
11. J. Gerlits, G. Sági, Ultratopologies, *Math. Logic Quarterly*, 50 (2004), 6, pp. 603—612.
12. G. Sági, S. Shelah, On Topological Properties of Ultraproducts of Finite Sets, *Math. Logic. Quarterly*, Vol. 51, No. 3 (2005) 254-257.
13. M. Ferenczi, G. Sági, On Some Developments in the Representation Theory of Cylindric-Like Algebras, *Algebra Universalis*, Vol. 55 (2006) 345-353.
14. G. Sági, S. Shelah, On Weak and Strong Interpolation in Algebraic Logic, *Journal of Symbolic Logic*, Vol. 71 (2006) No. 1, pp. 104-118.

15. C. Delhommé, M. Pouzet, N. Sauer, G. Sági, Representation of Ideals of Relational Structures. Accepted in *Discrete Mathematics*.

16. G. Sági, Ultraproducts and Finite Combinatorics.

Preprints, technical reports, dissertations, surveys, others:

17. H. Andréka, J. Madarász, I. Németi, with contributions G. Sági, I. Sain: *Analyzing the Logical Structure of Relativity Theory via Model Theoretic Logic*, Research Report, Department of Mathematics of University of Amsterdam (CCSOM),

18. G. Sági, Geometries and Relation Algebras, Preprint, Rényi Institute 1997.

19. G. Sági, *On the Finitization Problem of Algebraic Logic*, Ph. D. Dissertation, ELTE TTK (138 pages). Submitted in Jan. 1999, defended in March, 2000.

20. G. Sági, A Completeness Theorem for Higher Order Algebraic Logics, 1998 (34 pages). This is an extended version of 6. Obtained the 1st prize in the national scientific competition for Ph. D. students in mathematics.

21. C. Laflamme, V. Lubitch, N. Sauer, G. Sági, Extensible Metric Spaces, 2006 Research Report, University of Calgary, Department of Mathematics and Statistics.

Lecture Notes (in Hungarian):

22. G. Sági, *Válogatott Fejezetek a Modellelméletből*, jegyzet, BME Matematika Doktori Iskola, (2004) 164 oldal.

Popularizing article (in Hungarian):

23. G. Sági, Matematikai logika: a filozófiától az informatikáig. *IPM Magazin*, 2007 február (felkérésre az Akadémiai Ifjúsági Díj elnyerése kapcsán).

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