

# LIST OF PUBLICATIONS OF HAJNAL ANDRÉKA

Alfréd Rényi Institute of Mathematics  
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## 1 Books

- [3] *Decision problems for equational theories of relation algebras.* **Memoirs of Amer. Math. Soc.** Vol. 126, No. 604, American Mathematical Society, Providence, Rhode Island, 1997. xiv+126pp. Andréka, H., Givant, S. and Németi, I.
- [2] *Cylindric Set Algebras.* **Lecture Notes in Mathematics** Vol 883, Springer-Verlag, Berlin, 1981. vi + 323 pp. Henkin, L., Monk, J. D., Tarski, A., Andréka, H. and Németi, I.
- [1] *Generalization of the concept of variety and quasi-variety to partial algebras through category theory.* **Dissertationes Mathematicae (Rozprawy Math.)** No. 204. PWN - Polish Scientific Publishers, Warsaw, 1983. 51 pp. Andréka, H. and Németi, I.

## 2 Book edited

- [2] *Cylindric-like algebras and algebraic logic.* **Bolyai Society Mathematical Studies** Vol. 22, Springer Verlag, Berlin, 2013. 478 pp. Editors: Andréka, H., Ferenczi, M. and Németi, I.
- [1] *Algebraic Logic.* **Colloq. Math. Soc. J. Bolyai** Vol. 54, North-Holland, Amsterdam, 1991. vi + 746 pp. Editors: Andréka, H., Monk, J. D. and Németi, I.

### 3 Journal Articles, refereed

- [75] *Ultraproducts of continuous posets.* **Algebra Universalis** 76,2 (2016), 231-235. Andr eka, H., Gyenis, Z. and N emeti, I.
- [74] *Faster than light motion does not imply time travel.* **Classical and Quantum Gravity** 21 (2014), 095005 (11pp). Andr eka, H., Madar asz, J. X., N emeti, I., Stannett, M. and Sz ekely, G.
- [73] *A note on ‘Einstein’s special relativity beyond the speed of light by James M. Hill and Barry J. Cox’.* **Proc. R. Soc. A.** 469 (2013), 2154. Andr eka, H., Madar asz, J. X., N emeti, I. and Sz ekely, G.
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- [71] *Functionally dense relation algebras.* **Algebra Universalis** 68,1-2 (2012), 151-191. Andr eka, H. and Givant, S.
- [70] *A logic road from special relativity to general relativity.* **Synthese** 186,3 (2012), 633-649. Andr eka, H., Madar asz, J. X., N emeti, I. and Sz ekely, G.
- [69] *The equational theory of Kleene lattices.* **Theoretical Computer Science** 412 (2011), 7099-7108. Andr eka, H., Mikul as, Sz. and N emeti, I.
- [68] *Axiomatizability of positive algebras of binary relations.* **Algebra Universalis** 66,1 (2011), 7-34. Andr eka, H. and Mikul as, Sz.
- [67] *On logical analysis of relativity theories.* **Hungarian Philosophical Review** 54,4 (2010), 204-222. Andr eka, H., Madar asz, J. X., N emeti, I. and Sz ekely, G.
- [66] *Epimorphisms in cylindric algebras and definability in finite variable logic.* **Algebra Universalis** 61,3-4 (2009), 261-282. Andr eka, H., Comer, S. C., Madar asz, J. X., N emeti, I. and Sayed-Ahmed, T.
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- [62] *Omitting types for finite variable fragments and complete representations of algebras.* **Journal of Symbolic Logic** 73,1 (2008), 65-89. Andr eka, H., N emeti, I. and Sayed-Ahmed, T.
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- [42] *Lambek Calculus and its relational semantics: Completeness and incompleteness.* **Journal of Logic, Language and Information** 3 (1994), 1-37. Andr eka, H. and Mikul as, Sz.
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- [38] *Splitting in relation algebras.* **Proceedings of Amer. Math. Soc.** 111,4 (1991), 1085-1093. Andr eka, H., Maddux, R. and N emeti, I.

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- [21] *HSPK is an equational class, without the axiom of choice.* **Algebra Universalis** 13 (1981), 164–166. Andr eka, H. and N emeti, I.
- [20] *Similarity types, pseudosimple algebras, and congruence representation of chains.* **Algebra Universalis** 13 (1981), 293–306. Andr eka, H. and N emeti, I.
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- [8] *A simple, purely algebraic proof of the completeness of some first order logics.* **Algebra Universalis** 5 (1975), 8–15. Andréka, H. and Németi, I.
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- [1] *Notes on maximal congruence relations, automata and related topics.* **Acta Cybernetica** Tom 2, Fasc 1 (Szeged 1973), 71–88. Andréka, H., Horváth, S. and Németi, I.

## 4 Invited Book Chapters

- [17] *Finite-variable logics do not have weak Beth definability property.* In: **The road to universal logic Vol II** A. Koslow and A. Buchsbaum eds, Studies in Universal Logic, Birkhouser Basel, 2015, pp.125-133. Andréka, H. and Németi, I.

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## 5 Book Chapters

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## 6 Proceedings, refereed

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