

Model Theory in Serbia

Predrag Tanović

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Žarko Mijajlović, Prilog teoriji modela i Bulovih algebri.
Doktorska disertacija, Beograd 1977.

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Doktorska disertacija, Beograd 1977.

Gradimir Vojvodić, Some theorems for model theory of
mixed-valued predicate calculi. Publ. Inst. Math. (Beograd) 1978.

Žarko Mijajlović

A note on elementary end extension. Publ. Inst. Math. (Beograd) 1977.

Saturated Boolean algebras with ultrafilters. Publ. Inst. Math. (Beograd) 1979.

(with Valentina Harizanov) Regular relations and the quantifier “there exist uncountably many”. Z. Math. Logik Grundlag. 1983.

On a proof of the Erdos Monk theorem. Publ. Inst. Math. (Beograd) 1985.

(with W. Just) Separation properties of ideals over ω . Z. Math. Logik Grundlagen Math. 1987.

Milan Grulović

On n -finite forcing. Zb. Rad. Prirod.-Mat. Fak. Ser. Mat. 1983.

On n -finite forcing companions. Zb. Rad. Prirod.-Mat. Fak. Ser. Mat. 1984.

Žarko Mijajlović, An introduction to model theory Univerzitet u Novom Sadu, Institut za Matematiku, Novi Sad, 1987. iv+165 pp.

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Žarko Mijajlović, Zoran Marković, Kosta Došen;
Hilbert's Problems and Logic. Beograd 1986.

Žikica Perović

Cardinalities of Algebraic Structures Satisfying Completeness and Saturation Conditions.

Ph.D. Thesis University of Minnesota-Minneapolis 1987

Cardinalities of η_1 -ordered fields. Proc. Amer. Math. Soc. 118 (1993)

Pseudo-Galois extensions of Boolean algebras. Publ. Inst. Math. (Beograd) 1993.

Cardinalities of σ -complete OML's. Algebra Universalis 1995.

Željko Sokolović, The Model Theory of Differential Fields. Ph.D. Thesis, University of Notre Dame 1992.

Željko Sokolović, The Model Theory of Differential Fields. Ph.D. Thesis, University of Notre Dame 1992.

Pillay, Sokolović:

Superstable differential fields. J. Symbolic Logic 1992.

A remark on differential algebraic groups. Comm. Algebra 1992.

Željko Sokolović, The Model Theory of Differential Fields. Ph.D. Thesis, University of Notre Dame 1992.

Pillay, Sokolović:

Superstable differential fields. J. Symbolic Logic 1992.

A remark on differential algebraic groups. Comm. Algebra 1992.

Chowdhury, Hart, Sokolović

Affine covers of Lie geometries and the amalgamation property.
Proc. London Math. Soc. 2002.

(Hrushovski, Sokolović) Minimal subsets of differentially closed fields, (unpublished manuscript) 1993.

Harizanov Valentina Spectrum of a Recursive Relation on a Recursive Structure. PhD Thesis, University of Wisconsin, Madison, 1987.

Uncountable degree spectra, Annals of Pure and Applied Logic 1991.

Pure Computable Model Theory, Handbook of Recursive Mathematics, vol. I, Yu. Ershov, S. Goncharov, A. Nerode, and J. B. Remmel (editors), North-Holland, Amsterdam, 1998

Turing degrees of certain isomorphic images of recursive relations, Annals of Pure and Applied Logic 1998.

Computability-theoretic complexity of countable structures. Bull. Symbolic Logic 2002.

Computable Model Theory, research monograph and graduate textbook, under contract with Cambridge University Press (Perspectives in Logic Series), in preparation, approx. 350 pages.

Goncharov Sergey, Harizanov Valentina, Laskowski Michael, Lempp Steffen, McCoy Charles.

Trivial, strongly minimal theories are model complete after naming constants. Proc. Amer. Math. Soc. 2003.

Predrag Tanović, Fundamental Order and the Number of Countable Models. PhD Thesis, McGill University, 1993.

Predrag Tanović, Fundamental Order and the Number of Countable Models. PhD Thesis, McGill University, 1993.

Bernhard Herwig, James G. Loveys, Anand Pillay, Predrag Tanovic and Frank O. Wagner,
Stable theories without dense forking chains. Archive for Mathematical Logic, 1992

P.Tanović:

On the number of countable models of stable theories. Fund. Math. 2001.

Non-isolated types in stable theories. Ann.Pure Appl.Logic 2007.

Theories with constants and three countable models. Arch.Math.Logic 2007.

Types directed by constants. Ann.Pure Appl.Logic 2009.

Kechris A. S. Pestov V. G. Todorčević S. Fraïssé limits, Ramsey theory, and topological dynamics of automorphism groups. *Geom. Funct. Anal.* 2005.

Kechris A. S. Pestov V. Todorčević S. Universal minimal flows of automorphism groups. *Bull. Cl. Sci. Math. Nat. Sci. Math.* 2003.

Vladimir Raženj, Low Dimensional Groups over O-minimal Structures, Ph.D. Thesis, University of Notre Dame 1989.

Ivan Tomašić, Geometric simplicity theory. PhD Thesis, University of Edinburgh, 2001.

Mirna Džamonja, A Set Theoretic Approach to Some Problems in Measure Theory. Ph.D. Thesis, University of Wisconsin-Madison 1993.

Djordjević Marko, Stability Theory in Finite Variable Logic. Ph.D. Thesis, Uppsala Universitet 2000.

Djordjević Marko, Stability Theory in Finite Variable Logic. Ph.D. Thesis, Uppsala Universitet 2000.

Vera (formerly Marko) Koponen (formerly Djordjevic)
The finite submodel property and ω -categorical expansions of pregeometries. Ann. Pure Appl. Logic 2006.