

СПИСЪК НА НАУЧНИТЕ ПУБЛИКАЦИИ

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I. ПУБЛИКАЦИИ В РЕФЕРИРАНИ СПИСАНИЯ

- (1) Koppitz, J. and Musunthia, T., *Maximal subsemigroups of some semigroups of order-preserving mappings on a countably infinite set*, Forum Mathematicum (2016), DOI: 10.1515/forum-2015-0093.
- (2) Dimitrova, I., Fernandes, V.H. and Koppitz, J., *A Note on Generators of the endomorphism Semigroup of an infinite countable chain*, Journal of Algebra and Its Applications, online ready.(2016)
- (3) Tinpun, K. and Koppitz, J., *Relative Rank of the Finite Full Transformation Semigroup with Restricted Range*, Acta Math. Univ. Comenianae Vol. LXXXV, No. 2(2016), 347–356.
Zbl 06609705
- (4) Tinpun, K. and Koppitz J., *Generating sets of infinite full transformation semigroups with restricted range*, Acta Sci. Math. (Szeged) 82(2016), 55-63.
- (5) Koppitz, J. and Shtrakov, Sl., *Stable varieties of semigroups and groupoids*, Algebra Universalis 75, No. 1 (2016), 85-106.
Zbl 133920054 (Reviewer: Jaak Henno)
- (6) Lekkoksung, N. and Koppitz, J., *A Note on finite generated subsemigroups of $T(X,Y)$* , Math. Appl. 4(2015), 25-30.
Zbl 133220063
- (7) Koppitz, J., *Separation of On from its proper subsemigroups by a single identity*, Semigroup Forum 91, No. 1(2015), 128-138.
Zbl 133420053 (Reviewer: Volodymyr Mazorchuk)
Impact factor 2015: 0,642
- (8) Karpuz, E.G., Cevik, A.S., Firat, A. and Koppitz, J., *Gröbner-Shirshov bases and embedding of a semigroup in a group*, Adv. Stud. Contemp. Math. (Kyugshang) 25, No. 4(2015), 537-543.
Zbl 133313036 (Reviewer: Chen Yuqun)
- (9) Koppitz, J. and Musunthia, T., *Maximal Subsemigroups containing a particular semigroup*, Mathematica Slovaca 64 (2014), 1369-1380.
Zbl 06440080
Impact factor 2014: 0,409

(10) Jende, A., Koppitz, J. and Musunthia, T., *The subsemigroups of the full transformation semigroup T_n in the ideal $K(n,2)$ satisfying $x^k=x$* , Southeast Asian Bulletin of Mathematics 38(2014), 369-382.

Zbl 131320059

(11) Karpuz, E.G., Cevik, A.S., Koppitz, J. and Cangul, I.N., *Some fixed-point results on (generalized) Bruck-Reilly *-extensions of monoids*, Fixed Point Theory Appl., Article ID 78(2013), 9 p. (electronic only).

Zbl 129120055

Impact factor 2013: 2.486

(12) Koppitz, J. and Supaporn, W., *Category Equivalences of Clones of Operations Preserving Unary Operations*, Comptes rendus de l'Académie bulgare des Sciences Tome 66, No. 2(2013), 177-184.

Zbl 131318009 (Reviewer: Ivan D. Chipchakov)

Impact factor 2013: 0,198

(13) Shtrakov, Sl. and Koppitz, J., *Finite Symmetric functions with non-trivial arity gap*, Serdica J. Computing 6(2012), 419-436.

Zbl 130108007

(14) Dimitrova, I., Fernandes, V.H. and Koppitz, J., *The maximal subsemigroups of semigroups of transformations preserving or reversing the orientation on a finite chain*, Publications Mathematicae Debrecen 81, No. 1-2(2012), 11-29.

Zbl 125720061 (Reviewer: Jaak Hanno)

Impact factor 2012: 0,322

(15) Dimitrova, I. and Koppitz, J., *On the Monoid of All Partial Order-preserving Extensive Transformations*, Communications in Algebra 40(2012), 1821-1826.

Zbl 124720070

Impact factor 2012: 0,356

(16) Dimitrova, I. and Koppitz, J., *Coregular Semigroups of full Transformations*, Demonstratio Mathematica Vol. XLIV, No. 4(2011), 739-753.

Zbl 123920076

(17) Dimitrova, I. and Koppitz, J., *On the maximal regular subsemigroups of ideals of order-preserving or order-reversing transformations*, Semigroup Forum 82(2011), 172-180.

Zbl 121320065

Impact factor 2011: 0,730

(18) Koppitz, J. and Musunthia, T., *The relationship between proper and inner hypersubstitutions for varieties of rings*, Novi Sad J. Math Vol. 40, No. 3(2010), 55-65.

Zbl 129916017

(19) Dimitrova, I. and Koppitz, J., *On some Anti-inverse Transformation Semigroups*, Comptes redndus de l'Académie bulgare des Sciences Tome 63, No. 6(2010), 793-798.

Zbl 121620054

Impact factor 2010: 0,219

(20) Shtrakov, Sl. and Koppitz, J., *On Finite Functions with Non-trivial Arity Gap*, *Discussiones Mathematicae General Algebra and Applications* 30(2010), 217-245.

Zbl 124508004

(21) Dimitrova, I. and Koppitz, J., *The maximal subsemigroups of the ideals of some semigroups of partial injections*, *Discussiones Mathematicae General Algebra and Applications* 29, No. 2(2009), 153-167.

Zbl 119820054

(22) Koppitz, J., *All Reg-solid varieties of commutative semigroups*, *Semigroup Forum* 78, No. 1(2009), 148-156.

Zbl 117220042 (Reviewer: Mikhail Volkov)

Impact factor 2009: 0,597

(23) Dimitrova, I. and Koppitz, J., *On the Maximal Subsemigroups of Some Transformation Semigroups*, *Asian-European Journal of Mathematics* Vol.1, No. 2(2008), 189-202.

Zbl 114620045

(24) Denecke, K., Glubudom, P. and Koppitz, J., *Power Clones and Non-Deterministic Hypersubstitutions*, *Asian-European Journal of Mathematics* Vol.1, No. 2(2008), 177-188.

Zbl 122108002 (Reviewer: Magnus Steinby)

(25) Denecke, K., Koppitz J. and Pabhapote, N., *The Greatest Regular-solid Variety of Semigroups*, *Discussiones Mathematicae General Algebra and Applications* 28(2008), 91-119.

Zbl 115820030 (Reviewer: Jaak Henno)

(26) Denecke, K., Koppitz, J. and Srithus, R., *N-fluid Varieties*, *Sci. Math. Jpn.* 65, No. 1(2007), 1-10.

Zbl 113408004 (Reviewer: Manfred Armbrust)

(27) Denecke, K., Koppitz, J. and Srithus, R., *The degree of proper hypersubstitutions*, *Sci. Math. Jpn.* 66, No. 2(2007), 203-216.

Zbl 113908003 (Reviewer: Dimitru Busneag)

(28) Dimitrova, I. and Koppitz, J., *Maximal Submonoids of Monoids of Hypersubstitutions*, *Discussiones Mathematicae General Algebra and Applications* 27(2007), 69-85.

Zbl 113608005 (Reviewer: Manfred Armbrust)

(29) Thron, R. and Koppitz, J., *Free Systems of Algebras and Ultraclosed Classes*, *Acta Math. Univ. Comenianae* Vol. LXXV, 1(2006), 127-136.

Zbl 116408004 (Reviewer: Pavol Zlatoš)

(30) Denecke, K., Koppitz, J. and Shtrakov, Sl., *Multi-Hypersubstitutions and Colored Solid Varieties*, *International Journal of Algebra and Computation* Vol. 16, No. 4(2006), 797-815.

Zbl 110608003

(31) Koppitz, J. and Shtrakov, Sl., *On mappings of terms determined by hypersubstitutions*, *Journal of Algebra and Discrete Mathematics* No. 3(2005), 18-29.

Zbl 109320030

- (32) Chantasartassmee, A. and Koppitz, J., *Presolid Varieties of n -semigroups*, *Discussiones Mathematicae General Algebra and Applications* 25(2005), 221-233.
Zbl 110708006 (Reviewer: Vaclav Slavik)
- (33) Koppitz, J., *Hypersubstitutions and Groups*, *Novi Sad Math.* Vol. 34, No. 2(2004), 127-139.
Zbl 121220059 (Reviewer: Dragan Blagojević)
- (34) Koppitz, J. and Thron, R., *Lattice-theoretically characterized classes of finite bands*, *Archivum Mathematicum (Brno)* Tomus 39(2003), 1-10.
Zbl 111420035 (Reviewer: Libor Polák)
- (35) Denecke, K., Koppitz, J. and Wismath, S.L., *Solid varieties of arbitrary type*, *Algebra Universalis* 48(2002), 357-378.
Zbl 106408006 (Reviewer: Ivan Chajda)
- (36) Denecke, K., Koppitz, J. and Niwczyk, St., *Equational Theories generated by Hypersubstitutions of Type (n)* , *International Journal of Algebra and Computation* 12, No. 6(2002), 867-876.
Zbl 105108003 (Reviewer: Ivan Chajda)
- (37) Denecke, K. and Koppitz, J., *Essential variables in hypersubstitutions*, *Algebra Universalis* 46(2001), 443-454.
Zbl 105808004 (Reviewer: Ivan Chajda)
- (38) Denecke, K., Koppitz, J. and Shtrakov Sl., *The depth of a hypersubstitution*, *Journal of Automata, Languages and Combinatorics* 6, No 3(2001), 253-262.
Zbl 099368052
- (39) Denecke, K., Koppitz, J. and Wismath, S.L., *The semantical hyperunification problem*, *Discussiones Mathematicae General Algebra and Applications* 21(2001), 175-200.
Zbl 100808002 (Reviewer: Sheila Oastes-Williams)
- (40) Arworn, Sr., Denecke, K. and Koppitz, J., *Strongly fluid and weakly unsolid varieties*, *Scientiae Mathematicae Japonicae* Vol. 54, No. 1(2001), 1-12.
Zbl 100408010 (Reviewer: Jaak Henno)
- (41) Thron, R. and Koppitz, J., *Closure Operators and Generating Sets*, *Mathematica Slovaca* 51(2001), 259-268.
Zbl 098706004 (Reviewer: Helmut Länger)
Impact factor 2001: 0, 385
- (42) Koppitz, J. and Wismath, S.L., *Hyperidentities for Varieties of Star bands*, *Sci. Math.* 3(2000), 295-307.
Zbl 097620042 (Reviewer: Boris Vernikov)
- (43) Denecke, K. and Koppitz, J., *Fluid, unsolid and completely unsolid varieties*, *Algebra Colloquium* 7, No. 4(2000), 381-390.
Zbl 096908004 (Reviewer: Boris Vernikov)

(44) Koppitz, J., *All 2-solid varieties of semigroups*, Semigroup Forum Vol. 60(2000), 405-423.

Zbl 096020036 (Reviewer: P.M. Higgins)

(45) Thron, R. and Koppitz, J., *Finite Relational Disjunctions*, Algebra Colloquium 6, No. 3(1999), 261-268.

Zbl 093520050 (Reviewer: Michail Volkov)

(46) Denecke, K. and Koppitz, J., *M-solid monoids of hypersubstitutions of type $\tau = (2)$* , Semigroup Forum Vol. 57(1998), 430-434.

Zbl 092220062 (Reviewer: J. Henno)

Impact factor 2009: 0,597

(47) Denecke, K. and Koppitz, J., *Finite monoids of hypersubstitutions of type $\tau = (2)$* , Semigroup Forum Vol. 56(1998), 265-275.

Zbl 108020502

(48) Denecke, K., Koppitz, J. and Marszałek, R., *Derived theories and derived equational theories*, International Journal of Algebra and Computation Vol. 8, No. 2(1998), 153-169.

Zbl 094008003

(49) Koppitz, J., *M-solid subvarieties of some varieties of commutative semigroups*, Serdica Mathematical Journal 23(1997), 1001-1008.

Zbl 097720043

(50) Denecke, K., Koppitz, J. and Wismath, S.L., *Maps between M-solid Varieties of semigroups*, Discussiones Mathematicae Algebra and Stochastic Methods 17(1997), 91-104.

Zbl 091820047 (Reviewer: J. Henno)

(51) Koppitz, J., *Hyperidentities and Subvarieties of Varieties of commutative nilpotent Semigroups*, Comptes rendus de l'Académie bulgare des Sciences Tome 49, No. 7-8(1996), 15-18.

(52) Denecke, K. and Koppitz, J., *M-Solid Varieties of Semigroups*, Discussiones Mathematicae Algebra and Stochastic Methods 15(1995), 23-41.

Zbl 085220050 (Reviewer: A.V. Tischenkov)

(53) Denecke, K. and Koppitz, J., *Pre-Solid Varieties of Commutative Semigroups*, Tatra Mountains Math. Publ. 5(1995), 35-41.

Zbl 085220047 (Reviewer: Sheila Oastes-Williams)

(54) Denecke, K. and Koppitz, J., *Pre-Solid Varieties of Semigroups*, Archivum Mathematicum (Brno) Tomus 31(1995), 171-181.

Zbl 084220049 (Reviewer: A.V. Tischenkov)

(55) Denecke, K. and Koppitz, J., *Hyperassociative Varieties of Semigroups*, Semigroup Forum Vol. 49(1994), 41-48.

Zbl 080620049 (Reviewer: Sheila Oastes-Williams)

II. ПУБЛИКАЦИИ В СБОРНИЦИ НА НАУЧНИ КОНФЕРЕНЦИИ

(1) Koppitz, J. and Denecke, K., *M-solid Positive Varieties of Tree Languages*, in: Proceedings of the 79th workshop on general algebra "79. Arbeitstagung Allgemeine Algebra", 25th conference of young algebraists, Palacký University Olomouc, Olomouc, Czech Republic, February 12--14, 2010. Klagenfurt: Verlag Johannes Heyn (ISBN 978-3-7084-0407-3/pbk). Contributions to General Algebra 19, (2010). 57-80.

Zbl 124420054

(2) Todorov, K., Koppitz, J. and Dimitrova, I., *Maximal Idempotent Generated Subsemigroups of the Ideal of the Semigroup of All Isotone Transformations*, in: Bulgarian Journal of Physics 36, No. S1(2009), 19-26.

Zbl 120220070

(3) Denecke, K., Koppitz, J. and Pabhapote N., *A Galois connection between algebras and Tree-languages*, in: Discrete Mathematics and Applications, edited by Sl. Shtrakov and K. Denecke, Seventh International Conference on Discrete Mathematics and Applications, Bansko, Bulgaria (2004), 1-11.

(4) Koppitz, J., *M-solid varieties of groups*, Discrete Mathematics and Applications, Research in Mathematics Vol. 7, Bansko (2004), 31-39.

(5) Denecke, K., Koppitz, J. and Pabhapote N., *Essential Variables in: Weak Hypersubstitutions*, General Algebra and Applications, Shaker-Verlag Aachen (2000), 41-60.

(6) Denecke, K. and Koppitz, J., *A characterization of M-solid varieties of semigroups*, in: General Algebra and Applications in Discrete Mathematics, Shaker-Verlag, Aachen (1999), 37-46.

(7) Denecke, K. and Koppitz, J., *Normal forms of hypersubstitutions*, in: Nehaniv, Chrystopher L. (ed.) et al., Algebraic engineering. Proceedings of the international workshop on formal languages and computer systems, Kyoto, Japan, March 18-21, 1997 and proceedings of the first international conference on semigroups and algebraic engineering held in Aizu, Japan, March 24-28, 1997. Singapore: World Scientific (1999). 448-461.

Zbl 102408501

(8) Denecke, K., Freiberg, L. and Koppitz, J., *Algorithmic problems in M-solid varieties of semigroups*, in: Proceedings of the international Conference in Semigroups and its Related Topics, Kunming 1995, Springer-Verlag, Singapore (1998), 104-117.

(9) Koppitz, J., *A survey of M-solid varieties on semigroups*, in: Chajda, I. (ed.) et al., General algebra and ordered sets. Proceedings of the international conference and summer school, held in Horní Lipová, Czech Republic, September 4-12, 1994. Olomouc: Palacký University Olomouc, Department of Algebra and Geometr (1994), 54-62.

Zbl 082920084 (Reviewer M.V. Volkov)

(10) Koppitz, J. and Thron, R., *Erzeugendensysteme und isolierte Mengen von Hüllenstrukturen*, in: Beiträge der Jahrestagung Algebra und Grenzgebiete, Güstrow (1990), 57-60.

(11) Thron, R. and Koppitz, J., *On a Characterization of Closure Operators by Identities on Semigroups*, in: R., Bodendiek, R. Henn (Eds.), *Topics in Combinatorics and Graph Theory*, Physica-Verlag Heidelberg (1990), 685-692.

Zbl 070320056

III. ДИСЕРТАЦИОНЕН ТРУД

(1) Koppitz, J., *Über Halbgruppen mit vereinigungshalbdistributivem Unterhalbgruppenverband*, 1993 .

(2) Koppitz J., *M-solide Varietäten von Halbgruppen*, 2002. (Habilitation)

IV. УЧЕБНИЦИ

(1) Koppitz, J. and Denecke, K., *M-solid varieties of Algebras*, *Advances in Mathematic*, Vol. 10, Springer-Science+Business Media, New York, 2006.

Zbl 109408001