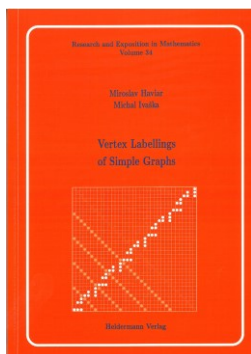
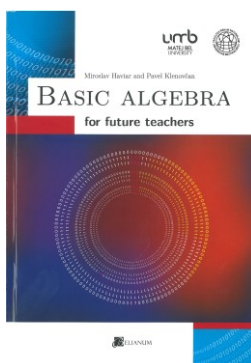


List of publications of Miroslav Haviar

Books



- [B1] AAA **Miroslav Haviar, Michal Ivaška:**
Vertex labellings of simple graphs
Research and Exposition in Mathematics , Vol. 34, Heldermann Verlag [1st ed.]
Lemgo (Germany), 2015 - 155 pp.
ISBN 978-80-89238-14-9



- [B2] ACB **Miroslav Haviar, Pavel Klenovčan:**
Basic Algebra for future teachers
(Revs. G. Jones, T. Zdráhal, R. Zimka), Belianum [1st ed.], Banská Bystrica,
2016 - xii, 329 pp.
ISBN 978-80-557-1035-8

- [B3] ACB **Miroslav Haviar, Pavel Klenovčan:**
Basic Algebra for future teachers, Second edition with answers or solutions to exercises by Veronika Remenárová and Miroslav Haviar
(Revs. V. Janiš, M. Papčo), Belianum [2nd ed.], Banská Bystrica, 2020 - xvi, 390 pp., ISBN 978-80-557-1746-3

Published papers in peer reviewed scholarly journals

- [1] ADE **Haviar, Miroslav - Katriňák, Tibor:** Lattices whose congruence lattice is relative Stone. In: Acta Scientiarum Mathematicarum. - Vol. 51, No. 1-2 (1987), pp. 81-91.
- [2] ADE **Haviar, Miroslav:** Lattices whose congruence lattices satisfy Lee's identities. In: Demonstratio Mathematica. - Vol. 24, No. 1-2 (1991), pp. 247-261.
- [3] ADF **Chajda, Ivan - Haviar, Miroslav:** Induced pseudoorders. In: Acta Universitatis Palackianae Olomucensis, Facultas Rerum Naturalium - Mathematica. - Vol. 30, No. 1 (1991), pp. 9-16.
- [4] ADE **Haviar, Miroslav:** On affine completeness of distributive p-algebras. In: Glasgow Mathematical Journal. - Vol. 34, Part 3 (1992), pp. 365-368.
- [5] ADF **Haviar, Miroslav:** Affine complete algebras abstracting Kleene and Stone algebras. In: Acta Mathematica Universitatis Comenianae-New Series. - Vol. 62, No. 2 (1993),

pp. 179-190.

- [6] ADE **Haviar, Miroslav**: On a certain construction of MS-algebras.
In: Portugaliae Mathematica. - Vol. 51, Fasc. 1 (1994), pp. 71-83.
- [7] AED **Haviar, Miroslav**: Affine complete Stone and Post algebras of order n .
In: Acta Universitatis Matthiae Belii: Series Mathematics. - Vol. 2 (1994), pp. 19-30.
- [8] ADC **Davey, Brian A. - Haviar, Miroslav - Priestley, Hilary A.**: The syntax and semantics of entailment in duality theory. In: Journal of Symbolic Logic. - Vol. 60, No. 4 (1995), pp. 1087-1114.
- [9] ADE **Haviar, Miroslav - Ploščica, Miroslav**: Affine complete Stone algebras. In: Algebra Universalis. - Vol. 34, No. 3 (1995), pp. 355-365.
- [10] AED **Haviar, Miroslav**: The study of affine completeness for quasi-modular double p -algebras. In: Acta Universitatis Matthiae Belii: Series Mathematics. - Vol. 3 (1995), pp. 17-30.
- [11] ADE **Davey, Brian A. - Haviar, Miroslav - Priestley, Hilary A.**: Endoprimal distributive lattices are endodualisable. In: Algebra Universalis. - Vol. 34, No. 3 (1995), pp. 444-453.
- [12] AED **Haviar, Miroslav**: Affine complete algebras abstracting double Stone and Kleene algebras. In: Acta Universitatis Matthiae Belii: Series Mathematics. - Vol. 4 (1996), pp. 39-52.
- [13] ADC **Haviar, Miroslav - Konôpka, Pavol - Priestley, Hilary A. - Wegener, Claudia B.**: Finitely generated free modular ortholattices I. In: International Journal of Theoretical Physics Vol. 36, No. 12 (1997), pp. 2639-2660.
- [14] ADE **Haviar, Miroslav - Kaarli, Kalle - Ploščica, Miroslav**: Affine completeness of Kleene algebras. In: Algebra Universalis. - Vol. 37, No. 4 (1997), pp. 477-490.
- [15] AED **Haviar, Miroslav - Ploščica, Miroslav**: Affine completeness of Kleene algebras II. In: Acta Universitatis Matthiae Belii: Series Mathematics. - Vol. 5 (1997), pp. 51-61.
- [16] ADC **Haviar, Miroslav - Konôpka, Pavol - Wegener, Claudia B.**: Finitely generated free modular ortholattices II. In: International Journal of Theoretical Physics – Vol. 36, No. 12 (1997), pp. 2661-2679.
- [17] ADE **Ploščica, Miroslav - Haviar, Miroslav**: On order-polynomial completeness of lattices. In: Algebra Universalis. - Vol. 39, No. 3-4 (1998), pp. 217-219.
- [18] ADE **Haviar, Miroslav - Priestley, Hilary A.**: A criterion for a finite endoprimal algebra to be endodualisable. In: Algebra Universalis - Vol. 42, No. 3 (1999), pp. 183-193.
- [19] ADE **Haviar, Miroslav - Priestley, Hilary A.**: Endodualisable and endoprimal finite double Stone algebras. In: Algebra Universalis. - Vol. 42, No. 1-2 (1999), pp. 107-130. Remark: Reprinted due to wrongly printed 1st version in: Algebra Universalis - Vol. 58, No. 2 (2008), pp. 203-228.
- [20] AED **Haviar, Miroslav - Konôpka, Pavol**: Finitely generated free orthomodular lattices IV. In: Acta Universitatis Matthiae Belii: Series Mathematics. - Vol. 7 (1999), pp. 13-29.

- [21] ADE **Davey, Brian A. - Haviar, Miroslav**: A schizophrenic operation which aids the efficient transfer of strong dualities. In: Houston Journal of Mathematics. - Vol. 26, No. 2 (2000), pp. 215-222.
- [22] ADC **Haviar, Miroslav - Konôpka, Pavol**: Finitely generated free orthomodular lattices III. In: International Journal of Theoretical Physics. - Vol. 39, No. 3 (2000), pp. 727-735.
- [23] ADE **Davey, Brian A. - Haviar, Miroslav - Priestley, Hilary A.**: Kleene algebras: A case study of clones and dualities from endomorphisms. In: Acta Scientiarum Mathematicarum. - Vol. 67, No. 1-2 (2001), pp. 77-103.
- [24] ADE **Clark, David M. - Davey, Brian A. - Haviar, Miroslav - Pitkethly, Jane G. - Talukder, M. Rashed**: Standard topological quasi-varieties. In: Houston Journal of Mathematics - Vol. 29, No. 4 (2003), pp. 859-887.
- [25] ADC **Davey, Brian A. - Haviar, Miroslav**: Transferring optimal dualities: Theory and practice. In: Journal of the Australian Mathematical Society - Vol. 74, Part 3 (2003), pp. 393-420.
- [26] ADE **Davey, Brian A. - Haviar, Miroslav**: Applications of Priestley duality in transferring optimal dualities. In: Studia Logica - Vol. 78, No. 1-2 (2004), pp. 213-236.
- [27] ADE **Davey, Brian A. - Haviar, Miroslav - Willard, Ross**: Full does not imply strong, does it? In: Algebra Universalis - Vol. 54, No. 1 (2005), pp. 1-22.
- [28] ADE **Davey, Brian A. - Haviar, Miroslav - Willard, Ross**: Structural entailment. In: Algebra Universalis. - Vol. 54, No. 4 (2005), pp. 397-416.
- [29] ADF **Haviar, Miroslav - Priestley, Hilary A.**: Canonical extensions of Stone and double Stone algebras: the natural way. In: Mathematica Slovaca - Vol. 56, No. 1 (2006), pp. 53-78.
- [30] ADE **Davey, Brian A. - Haviar, Miroslav - Niven, Todd**: When is a full duality strong? In: Houston Journal of Mathematics - Vol. 33, No. 1 (2007), pp. 1-22.
- [31] ADE **Davey, Brian A. - Haviar, Miroslav - Niven, Todd - Perkal, Narwin**: Full but not strong dualities at the finite level: Extending the realm. In: Algebra Universalis - Vol. 56, No. 1 (2007), pp. 37-56.
- [32] ADE **Davey, Brian A. - Haviar, Miroslav - Priestley, Hilary A.**: Boolean topological distributive lattices and canonical extensions. In: Applied Categorical Structures - Vol. 15, No. 3 (2007), pp. 225-241.
- [33] ADE **Ploščica, Miroslav - Haviar, Miroslav**: Congruence-preserving functions on distributive lattices. In: Algebra Universalis - Vol. 59, No. 1-2 (2008), pp. 179-196.
- [34] AED **Haviar, Miroslav - Maličský, Peter**: Superprimes and generalized Dirichlet theorem. In: Acta Universitatis Matthiae Belii: Series Mathematica. - Vol. 15 (2009), pp. 21-35.
- [35] ADE **Davey, Brian A. - Haviar, Miroslav - Pitkethly, Jane G.**: Using coloured ordered sets to study finite-level full dualities. In: Algebra Universalis - Vol. 64, No. 1-2 (2010), pp. 69-100.

- [36] AED **Guffová, Daniela - Haviar, Miroslav**: Lattices with relative Stone congruence lattices II. In: Acta Universitatis Matthiae Belii: Series Mathematics. - Vol. 17 (2010) - pp. 41-55.
- [37] ADE **Davey, Brian A. - Gouveia, Maria Joao - Haviar, Miroslav - Priestley, Hilary A.:** Natural extensions and profinite completions of algebras. In: Algebra Universalis - Vol. 66, No. 3 (2011), pp. 205-241.
- [38] ADE **Davey, Brian A. - Gouveia, Maria Joao - Haviar, Miroslav - Priestley, Hilary A.:** Multisorted dualisability: change of base. In: Algebra Universalis - Vol. 66, No. 4 (2011), pp. 331-336.
- [39] ADE **Gouveia, Maria Joao - Haviar, Miroslav**: Transferral of entailment in duality theory: Dualisability. In: Czechoslovak Mathematical Journal - Vol. 61, No. 1 (2011), pp. 41-63.
- [40] ADE **Gouveia, Maria Joao - Haviar, Miroslav**: Transferral of entailment in duality theory II: Strong dualisability. In: Czechoslovak Mathematical Journal - Vol. 61, No. 2 (2011), pp. 401-417.
- [41] ADE **Badawy, Abd El-Mohsen - Guffová, Daniela - Haviar, Miroslav**: Triple constructions of decomposable MS-algebras. In: Acta Universitatis Palackianae Olomucensis, Facultas Rerum Naturalium. Mathematica - Vol. 51, No. 2 (2012), pp. 53-65.
- [42] ADE **Davey, Brian A. - Haviar, Miroslav - Priestley, Hilary A.:** Natural dualities in partnership. In: Applied Categorical Structures - Vol. 20, No. 6 (2012), pp. 583-602.
- [43] ADE **Davey, Brian A. - Haviar, Miroslav - Pitkethly, Jane G.:** Full dualisability is independent of the generating algebra. In: Algebra Universalis - Vol. 67, No. 3 (2012), pp. 257-272.
- [44] AED **Haviar, Miroslav - Ivaška, Michal**: Conjecture on Dinitz Problem and improvement of Hrnčiar's result. In: Acta Universitatis Matthiae Belii: Series Mathematics. - Vol. 21 (2013), pp. 43-53.
- [45] ADM **Craig, Andrew P. K. - Haviar, Miroslav - Priestley, Hilary A.:** A fresh perspective on canonical extensions for bounded lattices. In: Applied Categorical Structures - Vol. 21, No. 6 (2013), pp. 725-749.
- [46] ADN **Craig, Andrew P. K. - Haviar, Miroslav**: Reconciliation of approaches to the construction of canonical extensions of bounded lattices. In: Mathematica Slovaca - Vol. 64, No. 6 (2014), pp. 1335-1356.
- [47] ADN **Haviar, Alfonz - Haviar, Miroslav**: Weak subgroupoid lattices. In: Mathematica Slovaca - Vol. 64, No. 3 (2014), pp. 665-674.
- [48] ADC **Craig, Andrew P. K. - Gouveia, Maria Joao - Haviar, Miroslav**: TiRS graphs and TiRS frames: a new setting for duals of canonical extensions. In: Algebra Universalis - Vol. 74, No. 1-2 (2015), pp. 123-138.
- [49] ADC **Davey, Brian A. - Haviar, Miroslav - Priestley, Hilary A.:** Piggyback dualities revisited. In: Algebra Universalis - Vol. 76, No. 2 (2016), pp. 245-285.
- [50] ADE **Davey, Brian A. - Haviar, Miroslav - Priestley, Hilary A.:** Bohr compactifications of

algebras and structures. In: Appl. Categ. Structures - Vol. 25, No. 3 (2017), pp. 403-430.

- [51] AED **Haviar, Miroslav**: On finitely generated free orthomodular lattices.
In: Acta Universitatis Matthiae Belii: Series Mathematics. - Vol. 26 (2018), pp. 27-57.
- [52] AED **Haviar, Miroslav**: On selected developments in the theory of natural dualities.
In: Acta Universitatis Matthiae Belii: Series Mathematics. - Vol. 27 (2019), pp. 59-78.
- [53] ADC **Craig, Andrew P. K. - Davey, Brian A. - Haviar, Miroslav**: Expanding Belnap: dualities for a new class of default bilattices. In: Algebra Universalis (2020) 81:50, 2020 Springer Nature Switzerland AG. <https://doi.org/10.1007/s00012-020-00678-2>, an extended 40 pp. version available at arXiv:1808.09636.
- [54] ADN **Badawy, Abd El-Mohsen - Haviar, Miroslav - Ploščica, Miroslav**: Congruence pairs of principal MS-algebras and perfect extensions. Dedicated to the memory of Professor Beloslav Riečan. In: Mathematica Slovaca - Vol. 70, No. 6 (2020), pp. 1275-1288.
- [55] AED **Kotúľová, Katarína - Haviar, Miroslav**: Recent developments on gracefulness of graphs. A survey complemented with chessboard representations. In: Acta Universitatis Matthiae Belii: Series Mathematics. - Vol. 28 (2020), pp. 39-65.
- [56] ADM **Haviar, Miroslav - Kurtulík, Samuel**: A new class of graceful graphs: k-enriched fan graphs and their characterisations, In: CUBO, A Mathematical Journal - Vol. 23, No. 02 (2021), pp. 313–331.
<http://dx.doi.org/10.4067/S0719-06462021000200313>
- [57] ADC **Haviar, Miroslav - Ploščica, Miroslav**: Perfect extensions of de Morgan algebras. In: Algebra Universalis (2021) 82:58, 2021 Springer Nature Switzerland AG.
<https://doi.org/10.1007/s00012-021-00750-5>
- [58] AED **Haviar, Miroslav - Ivaška, Michal**: A survey on chessboard representations of classes of graceful graphs. In: Acta Universitatis Matthiae Belii: Series Mathematics. - Vol. 29 (2021), pp. 1-38.
- [59] ADC **Craig, Andrew P. K. - Gouveia, Maria J. - Haviar, Miroslav**: Canonical extensions of lattices are more than perfect. In memory of Bjárni Jónsson. In: Algebra Universalis (2022) 83:12, 2022 Springer Nature Switzerland AG.
<https://doi.org/10.1007/s00012-022-00769-2>
- [60] ADM **Craig, Andrew P. K. - Davey, Brian A. - Haviar, Miroslav**: Expanding Belnap 2: the dual category in depth. In: Categories and General Algebraic Structures with Applications Volume 17, Number 1, July 2022, 47-83.
<https://doi.org/10.52547/cgasa.17.1.47>
- [61] ADM **Craig, Andrew P. K. - Haviar, Miroslav - Sao Joao, José**: Dual digraphs of finite semidistributive lattices. CUBO, A Mathematical Journal, Vol. 24, no. 03, pp. 369–392, December 2022.
<https://doi.org/10.56754/0719-0646.2403.0369>
- [62] **Davey, Brian A. - Haviar, Miroslav**: Factor principal congruences and Boolean products in filtral varieties, 22 pp. (submitted).

Papers in reviewed conference proceedings

- [63] AFC **Haviar, Miroslav, Katriňák, Tibor**: Semi-discrete lattices with (L_n) -congruence lattices. In: Contributions to General Algebra, Vol. 7 - Wien: Hölder-Pichler-Tempsky, 1991. - pp. 189-195. - ISBN 3-209-01380-2 [General Algebra 1990: Conference Vienna, 14.-17.6.1990]
- [64] AFD **Haviar, Miroslav**: Construction and affine completeness of principal p -algebras. In: Tatra Mountains Mathematical Publications. - Vol. 5 (1995), pp. 217-228 [General Algebra and Ordered Sets 1993: Summer School. Liptovský Ján, 29.8.-5.9.1993].
- [65] AFC **Guffová, Daniela - Haviar, Miroslav**: Lattices with relative Stone congruence lattices. In: Contributions to General Algebra, Vol. 19 - Klagenfurt: Verlag Johannes Heyn, 2010 – pp. 81-90- ISBN 978-3-7084-0407-3. [AAA 2010: Arbeitstagung Allgemeine Algebra: International Conference 79, Olomouc, 12.-14.2. 2010].

Papers in monographs

- [66] AEC **Davey, Brian A. - Haviar, Miroslav**: Modified Priestley dualities as natural dualities. In: G. Grätzer, Lattice Theory: Foundation -Basel: Springer, 2011 - pp. 434-437 - ISBN 978-3-0348-0017-4

Other papers

- [67] BEF **Brincková, Jaroslava - Haviar, Miroslav - Klenovčan, Pavel**: Príprava učiteľov matematiky z pohľadu medzinárodnej spolupráce. [Training of mathematics teachers from the point of view of international cooperation] (In Slovak) In: História, súčasnosť a perspektívy učiteľského vzdelávania, 2. diel. - Banská Bystrica : Univerzita Mateja Bela, 2005. - pp. 78-80. - ISBN 80-8083-107-6 [História, súčasnosť a perspektívy učiteľského vzdelávania : medzinárodná konferencia. Banská Bystrica, 8.- 9.9.2004]
- [68] ADE **Guffová, Daniela - Haviar, Miroslav – Sisáková-Chovanová Andrea**: 21st Century Skills In Educational Standards For Lower Secondary Education In Slovakia. In: Norma – Novi Sad : University of Novi Sad, Vol. XXVII, No. 1, June 2022 - pp. 9-18. - ISSN 0353-7219.

Lecture notes

- [LN1] BCI **Klenovčan, Pavel - Haviar, Alfonz - Haviar, Miroslav**: Introduction into the study of Mathematics. – 1st ed. - Banská Bystrica: Univerzita Mateja Bela, 1996. - 98 pp. (in Slovak). ISBN 80-8055-010-7.
- [LN2] BCI **Haviar, Miroslav - Klenovčan, Pavel**: Algebra I: Algebraic structures. – 1st ed. – Banská Bystrica: Univerzita Mateja Bela, 1998. - 93 pp. (in Slovak). ISBN 80-8055-134-0.
- [LN3] BCI **Haviar, Miroslav**: Algebra III : Linear algebra. – 1st ed. - Banská Bystrica: Univerzita Mateja Bela, 2001 – 92 pp. (in Slovak). ISBN 80-8055-493-5.

Theses

- [T1] DAI **Haviar, Miroslav**: Algebras abstracting finite Stone algebras. Construction and affine completeness – 83 pp. PhD thesis, Comenius University, Bratislava, 1992.
- [T2] DAI **Haviar, Miroslav**: Three topics in algebra motivated by Boolean algebras – 154 pp. Habilitation thesis, Comenius University, Bratislava, 2001.

Papers to jubilees and obituaries

- [J1] EDJ **Haviar, Miroslav - Zlatoš, Pavol**: K šesťdesiatinám profesora Tibora Katriňáka [To the sixties of Professor Tibor Katriňák] (In Slovak) In: Pokroky matematiky, fyziky a astronomie. - Roč. 42, č. 6 (1997), pp. 331-332.
- [J2] EDJ **Haviar, Miroslav - Zlatoš, Pavol**: Jubilee: The sixtieth birthday of professor Tibor Katriňák. In: Acta Universitatis Matthiae Belii : Series Mathematics, No. 05. - Banská Bystrica : Univerzita Mateja Bela, 1997. - pp. 91-98. - ISBN 80-88825-111-1.
- [J3] EDJ **Haviar, Miroslav - Zlatoš, Pavol**: Professor Tibor Katriňák will be seventy next year. In: Mathematica Slovaca. - Vol. 56, No. 1 (2006), 12 pp.
- [O1] EDJ **Guričan, Jaroslav - Haviar, Miroslav**, Opustil nás prof. RNDr. Tibor Katriňák, DrSc. In: Obzory matematiky, fyziky 51 (2022), s. 1-16.

Editorial works

- [E1] FAI - **Haviar, Miroslav - Ploščica, Miroslav**: Acta Universitatis Matthiae Belii : Series Mathematics, No. 15 : Special issue dedicated to 70th birthday of Alfonz Haviar. - 1. vyd. - Banská Bystrica : Univerzita Mateja Bela, 2009.- 79 s. ISBN 978-80-8083-906-2.
- [E2] FAI - **Haviar, Miroslav**: Acta Universitatis Matthiae Belii : Series Mathematics, No. 17. - 1. vyd. - Banská Bystrica : Univerzita Mateja Bela, 2010. - 100 s. ISBN 978-80-557-0083-0.
- [E3] FAI - **Haviar, Miroslav**: Acta Universitatis Matthiae Belii : Series Mathematics, No. 19 : Special issue dedicated to the 75th birthday of Professor Beloslav Riečan. - 1. vyd. - Banská Bystrica : Univerzita Mateja Bela, 2011. - 67 s. ISBN 978-80-557-0283-4 14.
- [E4] FAI - **Haviar, Miroslav**: Acta Universitatis Matthiae Belii : Series Mathematics, No. 21. - 1. vyd. - Banská Bystrica : Univerzita Mateja Bela, 2013. - 80 s. ISBN 978-80-557-0597-2.
- [E5] FAI - **Haviar, Miroslav**: Acta Universitatis Matthiae Belii : Series Mathematics, No. 23. - 1. vyd. - Banská Bystrica : Univerzita Mateja Bela, 2015. - 114 s. ISBN 978-80-557-1038-9

Banská Bystrica, January 2023

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