




Soupis publikovaných prací

The List of Published Works


2013

- 369. Hájek, Petr - Haniková, Zuzana**
Interpreting lattice-valued set theory in fuzzy set theory.
Logic Journal of the IGPL. Roč. 21, č. 1 (2013), s. 77-90. ISSN 1367-0751
Impakt faktor: 0.913, rok: 2011
 [DOI: 10.1093/jigpal/jzs023](https://doi.org/10.1093/jigpal/jzs023)
- 368. Hájek, Petr**
On Equality and Natural Numbers in Cantor-Łukasiewicz Set Theory.
Logic Journal of the IGPL. Roč. 21, č. 1 (2013), s. 91-100. ISSN 1367-0751
Impakt faktor: 0.913, rok: 2011
 [DOI: 10.1093/jigpal/jzq019](https://doi.org/10.1093/jigpal/jzq019)

2012

- 367. Hájek, Petr**
Some Remarks on Cantor-Łukasiewicz Fuzzy Set Theory.
Logic Journal of the IGPL. First published online: March 12 (2012). ISSN 1367-0751
Impakt faktor: 0.913, rok: 2011
 [DOI: 10.1093/jigpal/jzs014](https://doi.org/10.1093/jigpal/jzs014)
- 366. Hájek, Petr**
What is graded fuzzy logic?
Prague : ICS AS CR, 2012. 3 s. - (Technical Report, V-1148)
<http://hdl.handle.net/11104/0204503>

2011

- 365. Fermüller, C. - Hájek, Petr**
A Conversation about Fuzzy Logic and Vagueness.
Understanding Vagueness. Logical, Philosophical and Linguistic Perspectives. London : College Publications, 2011 - (Cintula, P.; Fermüller, G.; Godo, L.; Hájek, P.), s. 405-416
ISBN 978-1-84890-037-0. - (Studies in Logic. 36)
 <http://www.logic.at/lomorevi/vaguebook/fermueller-hajek.pdf>
- 364. Hájek, Petr - Montagna, F. - Noguera, C.**
Arithmetical Complexity of First-Order Fuzzy Logics. Chapter 11.
Handbook of Mathematical Fuzzy Logic. Vol. 2. London : College Publications, 2011 - (Cintula, P.; Hájek, P.; Noguera, C.), s. 853-908 ISBN 978-1-84890-054-7. - (Studies in Logic - Mathematical Logic and Foundations. 38)

- 363. Hájek, Petr**
Deductive Systems of Fuzzy Logic.
Proof, Computation and Agency. Logic at the Crossroad. Dordrecht : Springer, 2011 - (van Benthem, J.; Gupta, A.; Parikh, R.), s. 67-78 ISBN 978-94-007-0079-6. - (Synthese Library. 352)
[DOI: 10.1007/978-94-007-0080-2_5](https://doi.org/10.1007/978-94-007-0080-2_5)
- 362. Hájek, Petr**
Gödel's Ontological Proof and its Variants.
Kurt Gödel and the Foundations of Mathematics: Horizons of Truth. Cambridge : Cambridge University Press, 2011 - (Baaz, M.; Papadimitriou, C.; V, H.; Scott, D.; Harper, C.), s. 307-321 ISBN 978-0-521-76144-4
[DOI: 10.1017/CBO9780511974236.017](https://doi.org/10.1017/CBO9780511974236.017)
- 361. Běhounek, Libor - Cintula, Petr - Hájek, Petr**
Introduction to Mathematical Fuzzy Logic. Chapter 1.
Handbook of Mathematical Fuzzy Logic. Vol 1. London : College Publications, 2011 - (Cintula, P.; Hájek, P.; Noguera, C.), s. 1-101 ISBN 978-1-84890-039-4. - (Studies in Logic - Mathematical Logic and Foundations. 37)
- 360. Hájek, Petr**
Comments on Interpretability and Decidability in Fuzzy Logic.
Journal of Logic and Computation. Roč. 21, č. 5 (2011), s. 823-828. ISSN 0955-792X
Impakt faktor: 0.611, rok: 2011
[DOI: 10.1093/logcom/exp058](https://doi.org/10.1093/logcom/exp058)
- 359. Hájek, Petr**
Towards Metamathematics of Weak Arithmetics over Fuzzy Logic.
Logic Journal of the IGPL. Roč. 19, č. 3 (2011), s. 467-475. ISSN 1367-0751
Impakt faktor: 0.913, rok: 2011
[DOI: 10.1093/jigpal/jzp091](https://doi.org/10.1093/jigpal/jzp091)
- 358. Hájek, Petr**
Many-valued Logic and Fuzzy Logic.
Journal of Indian Council of Philosophical Research. Roč. 27, č. 2 (2011), s. 315-324. ISSN 0970-7794
- 357. Cintula, Petr (ed.) - Hájek, Petr (ed.) - Noguera, C. (ed.)**
Handbook of Mathematical Fuzzy Logic - Vol. 1.
London : College Publications, 2011. 492 s. (Studies in Logic - Mathematical Logic and Foundations, 37). ISBN 978-1-84890-039-4
- 356. Cintula, Petr (ed.) - Hájek, Petr (ed.) - Noguera, C. (ed.)**
Handbook of Mathematical Fuzzy Logic - Vol. 2.
London : College Publications, 2011. 480 s. (Studies in Logic - Mathematical Logic and Foundations, 38). ISBN 978-1-84890-054-7
- 355. Cintula, Petr (ed.) - Fermüller, C. (ed.) - Godo, L. (ed.) - Hájek, Petr (ed.)**
Understanding Vagueness. Logical, Philosophical and Linguistic Perspectives.
London : College Publications, 2011. 421 s. (Studies in Logic, 36). ISBN 978-1-84890-037-0

2010

- 354. Hájek, Petr**
 Logics for Data Mining.
Data Mining and Knowledge Discovery Handbook. New York : Springer, 2010 - (Maimon, O.; Rokach, L.), s. 541-551 ISBN 978-0-387-09822-7
[DOI: 10.1007/978-0-387-09823-4_26](https://doi.org/10.1007/978-0-387-09823-4_26)
- 353. Gottwald, S. - Hájek, Petr - Höhle, U. - Klement, E.P.**
 Editorial.
Fuzzy Sets and Systems. Roč. 161, č. 3 (2010), s. 299-300. ISSN 0165-0114
 [Linz Seminar on Fuzzy Set Theory /26./ Linz, 01.02.2005-05.02.2005]
 Impakt faktor: 1.875, rok: 2010
[DOI: 10.1016/j.fss.2009.09.004](https://doi.org/10.1016/j.fss.2009.09.004)
- 352. Hájek, Petr**
 On Fuzzy Modal Logics S5(C).
Fuzzy Sets and Systems. Roč. 161, č. 18 (2010), s. 2389-2396. ISSN 0165-0114
 Impakt faktor: 1.875, rok: 2010
[DOI: 10.1016/j.fss.2009.11.011](https://doi.org/10.1016/j.fss.2009.11.011)
- 351. Hájek, Petr**
 On White's Expansion of Łukasiewicz Logic.
Journal of Logic and Computation. Roč. 20, č. 2 (2010), s. 389-397. ISSN 0955-792X
 Impakt faktor: 0.586, rok: 2010
[DOI: 10.1093/logcom/exp050](https://doi.org/10.1093/logcom/exp050)
- 350. Hájek, Petr**
 On Witnessed Models in Fuzzy Logic III - Witnessed Gödel Logics.
Mathematical Logic Quarterly. Roč. 56, č. 2 (2010), s. 171-174. ISSN 0942-5616
 Impakt faktor: 0.361, rok: 2010
[DOI: 10.1002/malq.200810047](https://doi.org/10.1002/malq.200810047)
- 349. Hájek, Petr**
 Some (Non)Tautologies of Łukasiewicz and Product Logic.
Review of Symbolic Logic. Roč. 3, č. 2 (2010), s. 273-278. ISSN 1755-0203
 Impakt faktor: 0.433, rok: 2010
[DOI: 10.1017/S1755020309990414](https://doi.org/10.1017/S1755020309990414)
- 348. Hájek, Petr - Holeňa, Martin - Rauch, J.**
 The GUHA Method and its Meaning for Data Mining.
Journal of Computer and System Sciences. Roč. 76, č. 1 (2010), s. 34-48. ISSN 0022-0000
 Impakt faktor: 1.631, rok: 2010
[DOI: 10.1016/j.jcss.2009.05.004](https://doi.org/10.1016/j.jcss.2009.05.004)
- 347. Cintula, Petr - Hájek, Petr**
 Triangular Norm Based Predicate Fuzzy Logics.
Fuzzy Sets and Systems. Roč. 161, č. 3 (2010), s. 311-346. ISSN 0165-0114
 Impakt faktor: 1.875, rok: 2010
[DOI: 10.1016/j.fss.2009.09.006](https://doi.org/10.1016/j.fss.2009.09.006)






- 346. Hájek, Petr**
Mathematical Fuzzy Logic and Axiomatic Arithmetic.
Lattice-Valued Logic and its Applications. Linz : Johannes Kepler Universität, 2010 - (Cintula, P.; Klement, E.; Stout, L.), s. 63-63
[Linz Seminar on Fuzzy Set Theory /31./ 03.02.2010-07.02.2010, Linz]
- 345. Hájek, Petr**
Some Theories over Łukasiewicz Logic.
Logic, Algebra and Truth Degrees 2010. Prague : ITI Charles University, 2010 - (Chvalovský, K.; Cintula, P.; Noguera, C.), s. 111-112
[Logic, Algebra and Truth Degrees 2010. 07.09.2010-11.09.2010, Prague]

2009

- 344. Hájek, Petr**
Arithmetical Complexity of Fuzzy Predicate Logics - A Survey II.
Annals of Pure and Applied Logic. Roč. 161, č. 2 (2009), s. 212-219. ISSN 0168-0072
Impakt faktor: 0.667, rok: 2009
[DOI: 10.1016/j.apal.2009.05.015](https://doi.org/10.1016/j.apal.2009.05.015)
- 343. Cintula, Petr - Hájek, Petr**
Complexity Issues in Axiomatic Extensions of Łukasiewicz Logic.
Journal of Logic and Computation. Roč. 19, č. 2 (2009), s. 245-260. ISSN 0955-792X
Impakt faktor: 0.789, rok: 2009
[DOI: 10.1093/logcom/exn052](https://doi.org/10.1093/logcom/exn052)
- 342. Hájek, Petr**
On Vagueness, Truth Values and Fuzzy Logics.
Studia Logica. Roč. 91, č. 3 (2009), s. 367-382. ISSN 0039-3215
[DOI: 10.1007/s11225-009-9179-0](https://doi.org/10.1007/s11225-009-9179-0)
- 341. Hájek, Petr**
A Fuzzy Logician Reading Books on Vagueness.
Logical Models of Reasoning with Vague Information. Prague : Institute of Computer Science AS CR, 2009, s. 34-34.
[LoMoReVI 2009. Logical Models of Reasoning with Vague Information. 14.09.2009-17.09.2009, Čejkovice]
- 340. Hájek, Petr - Haniková, Zuzana**
A ZF-like Theory in Fuzzy Logic.
Non-Classical Mathematics 2009. Prague : ICS AS CR, 2009, s. 29-29.
[Non-Classical Mathematics 2009. 18.06.2009-22.06.2009, Hejnice]
- 339. Hájek, Petr**
An MV-Algebra for Vagueness.
Proceedings of the 4th International Workshop on Nonstandard Logics. Prague : CTUI, 2009 - (Helisová, K.; Navara, M.), s. 9-10 ISSN 1213-2365.
[International Workshop Mathematical Structures for Nonstandard Logics /4./ 10.12.2009-11.12.2009, Prague]
http://cmp.felk.cvut.cz/~navara/one_day/2009/msnl.html




- 338. Hájek, Petr**
An Observation on (un)decidable Theories in Fuzzy Logics.
The Legacy of 30 Seminars - Where Do We Stand and Where Do We Go? Linz : Johannes Kepler Universität, 2009 - (Bodenhofer, U.; De Baets, B.; Klement, E.; Saminger-Platz, S.), s. 55-56
[Linz Seminar on Fuzzy Set Theory /30./ 03.02.2009-07.02.2009, Linz]
- 337. Hájek, Petr**
Towards Metamathematics of Weak Arithmetics over Fuzzy logic.
Non-Classical Mathematics 2009. Prague : ICS AS CR, 2009, s. 27-28.
[Non-Classical Mathematics 2009. 18.06.2009-22.06.2009, Hejnice]




2008

- 336. Hájek, Petr - Marek, V.W. - Vopěnka, P.**
Mostowski and Czech-Polish Cooperation in Mathematical Logic.
Andrzej Mostowski and Foundational Studies. Amsterdam : IOS Press, 2008 - (Ehrenfeucht, A.; Marek, V.; Srebrny, M.), s. 403-405 ISBN 978-1-58603-782-6
- 335. Hájek, Petr - Montagna, F.**
A Note on the First-Order Logic of Complete BL-Chains.
Mathematical Logic Quarterly. Roč. 54, č. 4 (2008), s. 435-446. ISSN 0942-5616
Impakt faktor: 0.459, rok: 2008
 [DOI: 10.1002/malq.200710058](https://doi.org/10.1002/malq.200710058)
- 334. Ojeda-Aciego, M. - Gottwald, S. - Hájek, Petr**
Editorial.
Fuzzy Sets and Systems. Roč. 159, č. 10 (2008), s. 1129-1130. ISSN 0165-0114.
[LCS'06. International Conference on The Logic of Soft Computing and Workshop of the ERCIM WG on Soft Computing. Malaga, 13.09.2006-15.09.2006]
Impakt faktor: 1.833, rok: 2008
 [DOI: 10.1016/j.fss.2007.12.002](https://doi.org/10.1016/j.fss.2007.12.002)
- 333. Hájek, Petr**
On Arithmetical Complexity of Fragments of Prominent Fuzzy Predicate Logics.
Soft Computing. Roč. 12, č. 4 (2008), s. 335-340. ISSN 1432-7643
Impakt faktor: 0.984, rok: 2008
 [DOI: 10.1007/s00500-007-0181-z](https://doi.org/10.1007/s00500-007-0181-z)
- 332. Hájek, Petr - Mesiar, R.**
On Copulas, Quasicopulas and Fuzzy Logic.
Soft Computing. Roč. 12, č. 12 (2008), s. 1239-1243. ISSN 1432-7643
Impakt faktor: 0.984, rok: 2008
 [DOI: 10.1007/s00500-008-0286-z](https://doi.org/10.1007/s00500-008-0286-z)
- 331. Hájek, Petr**
Ontological Proofs of Existence and Non-Existence.
Studia Logica. Roč. 90, č. 2 (2008), s. 257-262. ISSN 0039-3215
 [DOI: 10.1007/s11225-008-9151-4](https://doi.org/10.1007/s11225-008-9151-4)

- 330. Hájek, Petr**
Complexity Issues in Axiomatic Extensions of Łukasiewicz Logic.
Residuated Structures: Algebra and Logic. Buenos Aires : Instituto Argentino de Matemática, 2008, s. 10-10.
[International Conference on Residuated Structures: Algebra and Logic. 16.04.2008-19.04.2008, Buenos Aires]
- 329. Hájek, Petr**
Complexity of Fuzzy Predicate Logics with Witnessed Semantics.
Bulletin of Symbolic Logic. Roč. 14, č. 1 (2008), s. 141-141. ISSN 1079-8986
- 328. Hájek, Petr**
Mathematical Fuzzy Predicate Logic - the Present State of Development.
Logic, Algebra and Truth Degrees. Siena : University of Siena, 2008, s. 7-8.
[Conference of the working group on Mathematical Fuzzy Logic /1./ 08.09.2008-11.09.2008, Siena]
- 327. Hájek, Petr**
(Fuzzy) logika v širokém a úzkém smyslu.
Logika mezi filosofií a matematikou. Praha : Katedra logiky FF UK, 2008, s. 10-10.
[Logika mezi filosofií a matematikou. 01.05.2008-04.05.2008, Hejnice]

2007

- 326. Hájek, Petr**
Deductive Systems of Fuzzy Logic.
Logic at the Crossroads: An Interdisciplinary View. New Delhi : Allied Publishers PVT, 2007 - (Gupta, A.; Parikh, R.; van Benthem, J.), s. 60-74 ISBN 979-81-8424-272-9
- 325. Hájek, Petr**
Complexity of Fuzzy Probability Logics II.
Fuzzy Sets and Systems. Roč. 158, č. 23 (2007), s. 2605-2611. ISSN 0165-0114
Impakt faktor: 1.373, rok: 2007
 [DOI: 10.1016/j.fss.2007.07.001](https://doi.org/10.1016/j.fss.2007.07.001)
- 324. Cintula, Petr - Hájek, Petr - Horčík, Rostislav**
Formal Systems of Fuzzy Logic and their Fragments.
Annals of Pure and Applied Logic. Roč. 150, č. 1-3 (2007), s. 40-65. ISSN 0168-0072
Impakt faktor: 0.613, rok: 2007
 [DOI: 10.1016/j.apal.2007.09.002](https://doi.org/10.1016/j.apal.2007.09.002)
- 323. Hájek, Petr**
Mathematical Fuzzy Logic and Natural Numbers.
Fundamenta Informaticae. Roč. 81, č. 1-3 (2007), s. 155-163. ISSN 0169-2968
Impakt faktor: 0.693, rok: 2007
- 322. Hájek, Petr**
On Witnessed Models in Fuzzy Logic.
Mathematical Logic Quarterly. Roč. 53, č. 1 (2007), s. 66-77. ISSN 0942-5616
Impakt faktor: 0.317, rok: 2007
 [DOI: 10.1002/malq.200610027](https://doi.org/10.1002/malq.200610027)






- 321. Hájek, Petr**
 On Witnessed Models in Fuzzy Logic II.
Mathematical Logic Quarterly. Roč. 53, č. 6 (2007), s. 610-615. ISSN 0942-5616
 Impakt faktor: 0.317, rok: 2007
 [DOI: 10.1002/malq.200710019](https://doi.org/10.1002/malq.200710019)
- 320. Hájek, Petr**
 Kurt Gödel, completeness, incompleteness.
Journal of Physics: Conference Series. Roč. 82, č. 1 (2007), s. 012005/1-012005/4. ISSN 1742-6596.
 [Brno Kurt Gödel Days. Brno, 25.04.2007-28.04.2007]
 [DOI: 10.1088/1742-6596/82/1/012005](https://doi.org/10.1088/1742-6596/82/1/012005)
- 319. Hájek, Petr**
 Kurt Gödel, completeness, incompleteness.
Meze formalizace, analytičnosti a prostoročasu. Praha : Filosofia, 2007, s. 101-105.
 ISBN 978-80-7007-268-4.
 [Kurt Gödel Days. International Symposium on Kurt Gödel's Scientific Heritage. Brno (CZ), 25.04.2006-26.04.2006]
- 318. Hájek, Petr**
 On Fuzzy Theories with Crisp Sentences.
Algebraic and Proof-Theoretic Aspects of Non-classical Logics. Papers in Honor of Daniele Mundici on the Occasion of His 60th Birthday. Berlin : Springer, 2007 - (Aguzzoli, S.; Ciabattoni, A.; Gerla, B.; Manara, C.; Marra, V.), s. 194-200 ISBN 978-3-540-75938-6. - (Lecture Notes in Artificial Intelligence. 4460).
 [International Conference on Algebraic and Logical Foundations of Many-Valued Reasoning in Honor of Daniele Mundici on his 60th Birthday. Gargnano (IT), 19.03.2006-23.03.2006]
 [DOI: 10.1007/978-3-540-75939-3_12](https://doi.org/10.1007/978-3-540-75939-3_12)
- 317. Hájek, Petr**
 Complexity of Fuzzy Predicate Logics with Witnessed Semantics.
Logic Colloquium 2007. Book of Abstracts. Wrocław : Uniwersitet Wroclawski, 2007, s. 49-49.
 [Logic Colloquium 2007. 14.07.2007-19.07.2007, Wrocław]
- 316. Hájek, Petr - Cintula, Petr**
 First-Order Fuzzy Logics: Recent Developments.
UNILog'07 Handbook. Xi'an : Northwestern Polytechnical University, 2007 - (Béziau, J.; He, H.; Costa-Leite, A.; Zhong, X.; Z., M.), s. 45-46
 [World Congress and School on Universal Logic /2./. 16.08.2007-22.08.2007, Xi'an]
- 315. Hájek, Petr - Běhounek, Libor**
 Fuzzy Logics among Substructural Logics.
UNILog'07 Handbook. Xi'an : Northwestern Polytechnical University, 2007 - (Béziau, J.; He, H.; Costa-Leite, A.; Zhong, X.; Z., M.), s. 20-22
 [World Congress and School on Universal Logic /2./. 16.08.2007-22.08.2007, Xi'an]
- 314. Hájek, Petr**
 Mathematical Fuzzy Logic - A Survey and Some News.
New Dimensions in Fuzzy Logic and Related Technologies. Ostrava : University of Ostrava, 2007 - (Štěpnička, M.; Novák, V.), s. 21-21 ISBN 978-80-7368-386-3.
 [EUSFLAT 2007. 11.09.2007-14.09.2007, Ostrava]

2006

- 313. Hájek, Petr**
 What does Mathematical Fuzzy Logic Offer to Description Logic?
Fuzzy Logic and the Semantic Web. Amsterdam : Elsevier, 2006 - (Sanchez, E.), s. 91-100
 ISBN 0-444-51948-3. - (Capturing Intelligence)
[DOI: 10.1016/S1574-9576\(06\)80007-9](https://doi.org/10.1016/S1574-9576(06)80007-9)
- 312. Hájek, Petr**
 Computational Complexity of t-norm based Propositional Fuzzy Logics with Rational Truth Constants.
Fuzzy Sets and Systems. Roč. 157, č. 5 (2006), s. 677-682. ISSN 0165-0114
 Impakt faktor: 1.181, rok: 2006
[DOI: 10.1016/j.fss.2005.12.008](https://doi.org/10.1016/j.fss.2005.12.008)
- 311. Hájek, Petr - Cintula, Petr**
 On Theories and Models in Fuzzy Predicate Logics.
Journal of Symbolic Logic. Roč. 71, č. 3 (2006), s. 863-880. ISSN 0022-4812
 Impakt faktor: 0.664, rok: 2006
[DOI: 10.2178/jsl/1154698581](https://doi.org/10.2178/jsl/1154698581)
- 310. Hájek, Petr**
 What is Mathematical Fuzzy Logic.
Fuzzy Sets and Systems. Roč. 157, č. 5 (2006), s. 597-603. ISSN 0165-0114
 Impakt faktor: 1.181, rok: 2006
[DOI: 10.1016/j.fss.2005.10.004](https://doi.org/10.1016/j.fss.2005.10.004)
- 309. Hájek, Petr**
 Mathematical Fuzzy Logic - What It Can Learn from Mostowski and Rasiowa.
Studia Logica. Roč. 84, č. 1 (2006), s. 51-62. ISSN 0039-3215
[DOI: 10.1007/s11225-006-9002-0](https://doi.org/10.1007/s11225-006-9002-0)
- 308. Hájek, Petr**
 Fuzzy logika v kontextu matematické logiky.
 [Fuzzy Logic in the Context of Mathematical Logic.]
Matematika, fyzika - minulost, současnost. Brno : VUTIUM, 2006 - (Trojánek, A.; Novotný, J.; Hrubý, D.), s. 41-50 ISBN 80-214-3208-X.
 [Seminář o filozofických otázkách matematiky a fyziky /12./, Velké Meziříčí (CZ), 21.08.2006-24.08.2006]
- 307. Gottwald, S. (ed.) - Hájek, Petr (ed.) - Ojeda-Aciego, M. (ed.)**
 The Logic of Soft Computing.
 Malaga : Universidad de Malaga, 2006. 194 s.
 [LCS'06. International Conference on The Logic of Soft Computing and Workshop of the ERCIM WG on Soft Computing. Malaga (ES), 13.09.2006-15.09.2006]
- 306. Cintula, Petr - Hájek, Petr - Horčík, Rostislav**
 Fragments of Prominent Fuzzy Logics.
Ordered Structures in Many Valued Logics. Salerno : Università di Salerno, 2006, s. 15-15.
 [Ordered Structures in Many Valued Logics. International Symposium. 28.05.2006-01.06.2006, Massa Lubrense]

- 305. Hájek, Petr**
Mathematical Fuzzy Logic and Natural Numbers.
The Logic of Soft Computing. Malaga : Universidad de Malaga, 2006 - (Gottwald, S.; Hájek, P.; Ojeda-Aciego, M.), s. 58-60
[LCS'06. International Conference on The Logic of Soft Computing and Workshop of the ERCIM WG on Soft Computing. 13.09.2006-15.09.2006, Malaga]
- 304. Hájek, Petr**
On Witnessed Models in Fuzzy Predicate Logics.
Algebraic and Logical Foundations of Many-Valued Reasoning. Milano : Universitadegli Studi di Milano, 2006, s. 24-24.
[ManyVal'06. International conference in Honour Of Daniele Mundici on the Occasion of his 60th Birthday. 20.03.2006-22.03.2006, Gargano]

2005

- 303. Gottwald, S. - Hájek, Petr**
Triangular Norm-Based Mathematical Fuzzy Logics.
Logical, Algebraic, Analytic and Probabilistic Aspects of Triangular Norms. Amsterdam : Elsevier, 2005 - (Klement, E.; Mesiar, R.), s. 275-299 ISBN 0-444-51814-2
 [DOI: 10.1016/B978-044451814-9/50010-0](https://doi.org/10.1016/B978-044451814-9/50010-0)
- 302. Hájek, Petr**
A Non-Arithmetical Gödel Logic.
Logic Journal of the IGPL. Roč. 13, č. 4 (2005), s. 435-441. ISSN 1367-0751
Impakt faktor: 0.382, rok: 2005
 [DOI: 10.1093/jigpal/jzi033](https://doi.org/10.1093/jigpal/jzi033)
- 301. Hájek, Petr**
Arithmetical Complexity of Fuzzy Predicate Logics - A Survey.
Soft Computing. Roč. 9, č. 12 (2005), s. 935-941. ISSN 1432-7643
Impakt faktor: 0.538, rok: 2005
 [DOI: 10.1007/s00500-004-0448-6](https://doi.org/10.1007/s00500-004-0448-6)
- 300. Hájek, Petr**
Fleas and Fuzzy Logic.
Journal of Multiple-Valued Logic and Soft Computing. Roč. 11, č. 1-2 (2005), s. 137-152.
ISSN 1542-3980
- 299. Hájek, Petr**
Making Fuzzy Description Logic More General.
Fuzzy Sets and Systems. Roč. 154, č. 1 (2005), s. 1-15. ISSN 0165-0114
Impakt faktor: 1.039, rok: 2005
 [DOI: 10.1016/j.fss.2005.03.005](https://doi.org/10.1016/j.fss.2005.03.005)
- 298. Hájek, Petr**
On Arithmetic in the Cantor-Łukasiewicz Fuzzy Set Theory.
Archive for Mathematical Logic. Roč. 44, č. 6 (2005), s. 763-782. ISSN 1432-0665
Impakt faktor: 0.490, rok: 2005
 [DOI: 10.1007/s00153-005-0284-0](https://doi.org/10.1007/s00153-005-0284-0)

- 297. Dubois, D. - Gottwald, S. - Hájek, Petr - Kacprzyk, J. - Prade, H.**
Terminological Difficulties in Fuzzy Set Theory - The Case of "Intuitionistic Fuzzy Sets".
Fuzzy Sets and Systems. Roč. 156, č. 3 (2005), s. 485-491. ISSN 0165-0114
Impakt faktor: 1.039, rok: 2005
[DOI: 10.1016/j.fss.2005.06.001](https://doi.org/10.1016/j.fss.2005.06.001)
- 296. Gottwald, S. (ed.) - Hájek, Petr (ed.) - Höhle, U. (ed.) - Klement, E.P.**
Fuzzy Logics and Related Structures.
Linz : Johannes Kepler Universität, 2005. 108 s.
[Linz Seminar on Fuzzy Set Theory /26./ Linz (AT), 01.02.2005-05.02.2005]
- 295. Hájek, Petr**
Complexity of T-norm Based Fuzzy logics with Rational Truth Constants.
Proceedings of the Logic of Soft Computing 4. Ostrava : University of Ostrava, 2005 - (Novák, V.; Štěpnička, M.), s. 45-46
[The Logic of Soft Computing /4./, Workshop of the ERCIM Working Group on Soft Computing. 05.10.2005-07.10.2005, Ostrava]
- 294. Hájek, Petr - Cintula, Petr**
Fuzzy Logics.
UNILog'05 - Handbook. Neuchatel : University of Neuchatel, 2005 - (Beziau, J.; Costa-Leite, A.), s. 14-15
[World Congress and School on Universal Logic /1./ 26.03.2005-03.04.2005, Montreux]
- 293. Hájek, Petr - Cintula, Petr**
On Theories and Models in Fuzzy Predicate Logics.
Fuzzy Logics and Related Structures. Linz : Johannes Kepler Universität, 2005 - (Gottwald, S.; Hájek, P.; Höhle, U.; Klement, E.), s. 55-58
[Linz Seminar on Fuzzy Set Theory /26./ 01.02.2005-05.02.2005, Linz]
- 292. Hájek, Petr**
What is Mathematical Fuzzy Logic.
Forging New Frontiers. Berkeley : University of California, 2005, s. 199-200.
[BISCSE 2005. Fuzzy Pioneers (1965-2005) /40./ 02.11.2005-05.11.2005, Berkeley]
- 291. Hájek, Petr**
One More Variety in Fuzzy Logic: Quasihoops.
Prague : ICS AS CR, 2005. 6 s. - (Technical Report, V-937)
<http://hdl.handle.net/11104/0125626>

2004



- 290. Hájek, Petr**
A True Unprovable Formula of Fuzzy Predicate Logic.
Logic versus Approximation. Essays Dedicated to Michael M. Richter on the Occasion of his 65th Birthday. Berlin : Springer, 2004 - (Lenski, W.), s. 1-5 ISBN 3-540-22562-5. - (Lecture Notes in Computer Science. 3075)
[DOI: 10.1007/978-3-540-25967-1_1](https://doi.org/10.1007/978-3-540-25967-1_1)

- 289. Hájek, Petr**
 Fuzzy Logic and Arithmetical Hierarchy IV.
First-Order Logic Revisited. Berlin : Logos Verlag, 2004 - (Hendricks, V.; Neuhaus, F.; Pedersen, S.; Scheffler, U.; Wansing, H.), s. 107-115 ISBN 3-8325-0475-3
- 288. Hájek, Petr - Rauch, J. - Coufal, David - Feglar, T.**
 The GUHA Method, Data Preprocessing and Mining.
Database Support for Data Mining Applications: Discovering Knowledge with Inductive Queries.
 Berlin : Springer-Verlag, 2004 - (Meo, R.; Lanzi, P.; Klemettinen, M.), s. 135-153
 ISBN 3-540-22479-3. - (Lecture Notes in Artificial Intelligence. 2682)
[DOI: 10.1007/978-3-540-44497-8_7](https://doi.org/10.1007/978-3-540-44497-8_7)
- 287. Gottwald, S. - Hájek, Petr**
 Editorial.
Fuzzy Sets and Systems. Roč. 143, č. 1 (2004), s. 1-3. ISSN 0165-0114.
 [FSTA 2002 /6./. Liptovský Ján, 28.01.2002-01.02.2002]
 Impakt faktor: 0.734, rok: 2004
[DOI: 10.1016/j.fss.2003.10.039](https://doi.org/10.1016/j.fss.2003.10.039)
- 286. Hájek, Petr - Ševčík, J.**
 On Fuzzy Predicate Calculi with Non-Commutative Conjunction.
East West Fuzzy Colloquium 2004. Zittau/Görlitz : IPM, 2004, s. 103-110. ISBN 3-9808089-5-5.
 [Zittau Fuzzy Colloquium /11./. Zittau (DE), 08.09.2004-10.09.2004]
- 285. Hájek, Petr**
 Relations and GUHA-Style Data Mining II.
Relational and Kleene-Algebraic Methods in Computer Science. Berlin : Springer, 2004 -
 (Berghammer, R.; Möller, B.), s. 163-170 ISBN 3-540-22145-X. - (Lecture Notes in Computer Science.
 3051).
 [International Conference ReLMiCS /7./, Workshop on Applications of Kleene Algebra /2./. Bad
 Malente (DE), 12.05.2003-17.05.2003]
[DOI: 10.1007/978-3-540-24771-5_14](https://doi.org/10.1007/978-3-540-24771-5_14)
- 284. Hájek, Petr**
 Metoda GUHA v minulém století a dnes.
 [The GUHA Method in the Past Century and Now.]
Znalosti 2004. Ostrava : FEI VŠB, 2004 - (Snášel, V.), s. 10-20 ISBN 80-248-0456-5.
 [Znalosti 2004 /3./. Brno (CZ), 22.02.2004-25.02.2004]
- 283. Hájek, Petr**
 On Arithmetic in the Cantor-Łukasiewicz Fuzzy Set Theory.
Logic Colloquium 2004. Turin : University of Torino, 2004, s. 178-178.
 [ASL European Summer Meeting. 25.07.2004-31.07.2004, Turin]




2003

- 282. Hájek, Petr - Haniková, Zuzana**
 A Development of Set Theory in Fuzzy Logic.
Beyond Two: Theory and Applications of Multiple-Valued Logic. Heidelberg : Physica-Verlag, 2003 -
 (Fitting, M.; Orłowska, E.), s. 273-285 ISBN 3-7908-1541-1. - (Studies in Fuzziness and Soft
 Computing. 114)

- 281. Hájek, Petr**
Deduktivní systémy fuzzy logiky.
[Deductive Systems of Fuzzy Logic.]
Umělá inteligence 4. Praha : Academia, 2003 - (Mařík, V.; Štěpánková, O.; Lažanský, J.), s. 71-92
ISBN 80-200-1044-0
- 280. Hájek, Petr - Holeňa, Martin - Rauch, J.**
The GUHA Method and Foundations of (Relational) Data Mining.
Theory and Applications of Relational Structures as Knowledge Instruments. COST Action 274, TARSKI. Revised Papers. Berlin : Springer-Verlag, 2003 - (de Swart, H.; Orłowska, E.; Schmidt, G.; Roubens, M.), s. 17-37 ISBN 3-540-20780-5. - (Lecture Notes in Computer Science. 2929)
[DOI: 10.1007/978-3-540-24615-2_2](https://doi.org/10.1007/978-3-540-24615-2_2)
- 279. Godo, L. - Hájek, Petr - Esteva, F.**
A Fuzzy Modal Logic for Belief Functions.
Fundamenta Informaticae. Roč. 57, č. 2-4 (2003), s. 127-146. ISSN 0169-2968
Impakt faktor: 0.691, rok: 2003
- 278. Hájek, Petr**
Basic Fuzzy Logic and BL-Algebras II.
Soft Computing. Roč. 7, č. 3 (2003), s. 179-183. ISSN 1432-7643
Impakt faktor: 0.333, rok: 2002
- 277. Hájek, Petr - Holeňa, Martin**
Formal Logics of Discovery and Hypothesis Formation by Machine.
Theoretical Computer Science. Roč. 292, č. 2 (2003), s. 345-357. ISSN 0304-3975
Impakt faktor: 0.764, rok: 2003
[DOI: 10.1016/S0304-3975\(02\)00175-5](https://doi.org/10.1016/S0304-3975(02)00175-5)
- 276. Hájek, Petr**
Fuzzy Logics with Noncommutative Conjunctions.
Journal of Logic and Computation. Roč. 13, č. 4 (2003), s. 469-479. ISSN 0955-792X
Impakt faktor: 0.586, rok: 2003
[DOI: 10.1093/logcom/13.4.469](https://doi.org/10.1093/logcom/13.4.469)
- 275. Esteva, F. - Godo, L. - Hájek, Petr - Montagna, F.**
Hoops and Fuzzy Logic.
Journal of Logic and Computation. Roč. 13, č. 4 (2003), s. 531-555. ISSN 0955-792X
Impakt faktor: 0.586, rok: 2003
[DOI: 10.1093/logcom/13.4.532](https://doi.org/10.1093/logcom/13.4.532)
- 274. Hájek, Petr**
Observations on Non-commutative Fuzzy Logic.
Soft Computing. Roč. 8, č. 1 (2003), s. 38-43. ISSN 1432-7643
Impakt faktor: 0.333, rok: 2002
[DOI: 10.1007/s00500-002-0246-y](https://doi.org/10.1007/s00500-002-0246-y)
- 273. Hájek, Petr - Novák, V.**
The Sorites Paradox and Fuzzy Logic.
International Journal of General Systems. Roč. 32, č. 4 (2003), s. 373-383. ISSN 0308-1079
Impakt faktor: 0.172, rok: 2003
[DOI: 10.1080/0308107031000152522](https://doi.org/10.1080/0308107031000152522)

- 272. Hájek, Petr**
Briefly on the GUHA Method of Data Mining.
Journal of Telecommunications and Information Technology. -, č. 3 (2003), s. 112-114.
ISSN 1509-4553
 <http://www.nit.eu/czasopisma/JTIT/2003/3/112.pdf>
- 271. Hájek, Petr**
Embedding Standard BL-Algebras into Non-Commutative Pseudo-BL-Algebras.
Tatra Mountains Mathematical Publications. Roč. 27, č. 3 (2003), s. 125-130. ISSN 1210-3195
http://tatra.mat.savba.sk/paper.php?id_paper=682
- 270. Hájek, Petr**
Mathematical Fuzzy Logic - State of Art 2001.
Matemática Contemporanea. Roč. 24, - (2003), s. 71-89. ISSN 0103-9059.
[WOLLIC'2001. Brasília, 31.07.2001-03.08.2001]
 http://www.mat.unb.br/~matcont/24_4.pdf
- 269. Hájek, Petr**
Fleas and Fuzzy Logic: A Survey.
EUSFLAT 2003. Proceedings of the Third Conference of the European Society for Fuzzy Logic and Technology. Zittau : EUSFLAT, 2003 - (Wagenknecht, M.; Hampel, R.), s. 599-603
ISBN 3-9808089-4-7.
[EUSFLAT 2003. An International Conference in Fuzzy Logic and Technology. Zittau (DE), 10.09.2003-12.09.2003]
- 268. Hájek, Petr**
On Generalized Quantifiers, Finite Sets and Data Mining.
Intelligent Information Processing and Web Mining. Berlin : Springer-Verlag, 2003 - (Klopotek, M.; Wierzchoń, S.; Trojanowski, K.), s. 489-496 ISBN 3-540-00843-8. - (Advances in Intelligent and Soft Computing. 22).
[IIPWM'03. Zakopane (PL), 02.06.2003-05.06.2003]
- 267. Hájek, Petr**
Relations and GUHA-Style Data Mining II.
Relational Methods in Computer Science. Kiel : Christian-Albrechts-Universität, 2003 - (Berghammer, R.; Möller, B.), s. 242-247
[International Conference RelMiCS /7./, Workshop of COST Action 274 TARSKI /2./, Bad Malente (DE), 12.05.2003-17.05.2003]
- 266. Hájek, Petr - Harmancová, Dagmar**
A Note on Dempster Rule.
Prague : ICS AS CR, 2003. 5 s. - (Technical Report, V-891)
<http://hdl.handle.net/11104/0125391>
- 265. Hájek, Petr**
Fleas and Fuzzy Logic - A Survey.
Prague : ICS AS CR, 2003. 5 s. - (Technical Report, V-893)
<http://hdl.handle.net/11104/0125232>

2002

- 264. Hájek, Petr**
 Der Mathematiker und die Frage der Existenz Gottes.
 [The Mathematician and the Question of the Existence of God.]
Kurt Gödel. Wahrheit und Beweisbarkeit. Wien : öbv & hpt, 2002 - (Buldt, B.; Köhler, E.; Stöltzner, M.; Weibel, P.; Klein, C.; Depauli-Schimanowich-Göttig, W.), s. 325-336 ISBN 3-209-03835-X
- 263. Hájek, Petr**
 Fuzzy Logic.
Stanford Encyclopedia of Philosophy. Stanford, 2002 - (Zalta, E.) - (Fall 2002 Edition)
<http://plato.stanford.edu>
- 262. Hájek, Petr**
 Gödelův ontologický důkaz.
 [Gödel's Ontological Proof.]
Matematika a teológia. Bratislava : Evanjelická bohoslovecká fakulta Univerzity Komenského, 2002 - (Kišš, I.), s. 66-69 ISBN 80-88827-24-8
- 261. Hájek, Petr**
 Why Fuzzy Logic?
A Companion to Philosophical Logic. Massachusetts : Blackwell Publishers, 2002 - (Dale, J.), s. 595-605 ISBN 0-631-21671-5. - (Blackwell Companions to Philosophy. 22)
- 260. Baaz, M. - Hájek, Petr - Montagna, F. - Veith, H.**
 Complexity of t-tautologies.
Annals of Pure and Applied Logic. Roč. 113, č. 1-3 (2002), s. 3-11. ISSN 0168-0072
 Impakt faktor: 0.574, rok: 2002
 [DOI: 10.1016/S0168-0072\(01\)00048-3](https://doi.org/10.1016/S0168-0072(01)00048-3)
- 259. Hájek, Petr**
 Observations on the Monoidal t-norm Logic.
Fuzzy Sets and Systems. Roč. 132, č. 1 (2002), s. 107-112. ISSN 0165-0114
 Impakt faktor: 0.550, rok: 2002
 [DOI: 10.1016/S0165-0114\(02\)00057-X](https://doi.org/10.1016/S0165-0114(02)00057-X)
- 258. Hájek, Petr**
 Some Hedges for Continuous t-norm Logics.
Neural Network World. Roč. 12, č. 2 (2002), s. 159-164. ISSN 1210-0552
- 257. Hájek, Petr**
 A New Small Emendation of Gödel's Ontological Proof.
Studia Logica. Roč. 71, č. 2 (2002), s. 149-164. ISSN 0039-3215
 [DOI: 10.1023/A:1016583920890](https://doi.org/10.1023/A:1016583920890)
- 256. Hájek, Petr**
 Gödelův ontologický důkaz.
 [Gödel's Ontological Proof.]
Teologické studie. Roč. 3, č. 2 (2002), s. 111-113. ISSN 1213-5917.
 [Předpoklady a cíle dialogu teologů s přírodovědci. České Budějovice, 07.12.2001-08.12.2001]


- 255. Hájek, Petr**
 Monadic Fuzzy Predicate Logics.
Studia Logica. Roč. 71, č. 2 (2002), s. 165-175. ISSN 0039-3215
[DOI: 10.1023/A:1016544704961](https://doi.org/10.1023/A:1016544704961)
- 254. Font, J.M. - Hájek, Petr**
 On Łukasiewicz's Four-Valued Modal Logic.
Studia Logica. Roč. 70, č. 2 (2002), s. 157-182. ISSN 0039-3215
[DOI: 10.1023/A:1015111314455](https://doi.org/10.1023/A:1015111314455)
- 253. Hájek, Petr**
 Zemřel profesor Karel Čulík.
 [Professor Karel Čulík Died.]
Pokroky matematiky, fyziky & astronomie. Roč. 47, č. 4 (2002), s. 344-348. ISSN 0032-2423
<http://dml.cz/dmlcz/141151>
- 252. Hájek, Petr - Feglar, T. - Rauch, J. - Coufal, David**
 The GUHA Method, Data Preprocessing and Mining. Position Paper.
Database Technologies for Data Mining. Working Notes. Prague, 2002, s. 29-34.
 [A Workshop of the International Conference EDBT2002. Prague (CZ), 24.03.2002]
- 251. Hájek, Petr**
 Metoda GUHA - současný stav.
Robust'2002. Sborník prací Dvanácté zimní školy JČMF. Praha : JČMF, 2002 - (Antoch, J.; Dohnal, G.; Klaschka, J.), s. 133-135 ISBN 80-7015-900-6.
 [ROBUST'2002. Zimní škola JČMF /12./ . Hejnice (CZ), 21.01.2002-25.01.2002]
- 250. Hájek, Petr - Holeňa, Martin - Rauch, J. - Feglar, T. - Svitok, J.**
 The GUHA Method and Foundations of (Relational) Data Mining.
TARSKI Meeting of the COST 274. Book of Abstracts. 2002. [Nestránkováno].
 [TARSKI Meeting of the COST 274. 14.11.2002-16.11.2002, Prague]
- 249. Hájek, Petr**
 Fuzzy Logic and Lindström's Theorem.
 Prague : ICS AS CR, 2002. 5 s. - (Technical Report, V-874)
<http://hdl.handle.net/11104/0124853>
- 248. Hájek, Petr - Havránek, Tomáš**
 Mechanizing Hypothesis Formation. Mathematical Foundations for a General Theory. Originally published by Springer-Verlag Berlin Heidelberg New York in 1978, ISBN 3-540-08738-9.
 Prague : ICS AS CR, 2002. - (Technical Report, V-859)
<http://hdl.handle.net/11104/0124818>
- 247. Hájek, Petr - Feglar, Tomáš - Rauch, Jan - Coufal, David**
 The GUHA method, data preprocessing and mining. (Position paper.).
 Prague : ICS AS CR, 2002. 5 s. - (Technical Report, V-867)
<http://hdl.handle.net/11104/0206536>

2001

- 246. Hájek, Petr - Shepherdson, J.**
 A Note on the Notion of Truth in Fuzzy Logic.
Annals of Pure and Applied Logic. Roč. 109, č. 1-2 (2001), s. 65-69. ISSN 0168-0072
 Impakt faktor: 0.519, rok: 2001
[DOI: 10.1016/S0168-0072\(01\)00041-0](https://doi.org/10.1016/S0168-0072(01)00041-0)
- 245. Hájek, Petr - Tulipani, S.**
 Complexity of Fuzzy Probability Logics.
Fundamenta Informaticae. Roč. 45, č. 3 (2001), s. 207-213. ISSN 0169-2968
- 244. Hájek, Petr - Godo, L. - Gottwald, S.**
 Editorial.
Fuzzy Sets and Systems. Roč. 124, č. 3 (2001), s. 269-270. ISSN 0165-0114
 [FSTA 2000 /5./, Liptovský Ján, 31.01.2000-04.02.2000]
 Impakt faktor: 0.470, rok: 2001
[DOI: 10.1016/S0165-0114\(01\)00097-5](https://doi.org/10.1016/S0165-0114(01)00097-5)
- 243. Hájek, Petr**
 On Very True.
Fuzzy Sets and Systems. Roč. 124, č. 3 (2001), s. 329-333. ISSN 0165-0114
 Impakt faktor: 0.470, rok: 2001
[DOI: 10.1016/S0165-0114\(01\)00103-8](https://doi.org/10.1016/S0165-0114(01)00103-8)
- 242. Hájek, Petr**
 Fuzzy Logic and Arithmetical Hierarchy III.
Studia Logica. Roč. 68, č. 1 (2001), s. 129-142. ISSN 0039-3215
[DOI: 10.1023/A:1011906423560](https://doi.org/10.1023/A:1011906423560)
- 241. Godo, L. - Esteva, F. - Hájek, Petr**
 A Fuzzy Modal Logic for Belief Functions.
Proceedings of the 17th International Joint Conference on Artificial Intelligence. Seattle : Morgan Kaufmann, 2001, s. 723-729. ISBN 1-55860-777-3.
 [IJCAI-01. Seattle (US), 04.08.2001-10.08.2001]
- 240. Hájek, Petr - Haniková, Zuzana**
 A Set Theory within Fuzzy Logic.
Multiple-Valued Logic. Proceedings. Los Alamitos : IEEE Computer Society, 2001, s. 319-323.
 ISBN 0-7695-1083-3.
 [IEEE International Symposium on Multiple-Valued logic /31./, Warsaw (PL), 22.05.2001-24.05.2001]
[DOI: 10.1109/ISMVL.2001.924590](https://doi.org/10.1109/ISMVL.2001.924590)
- 239. Hájek, Petr**
 Relations in GUHA Style Data Mining.
Relational Methods in Computer Science. Berlin : Springer, 2001 - (de Swart, H.), s. 81-87
 ISBN 3-540-00315-0. - (Lecture Notes in Computer Science. 2561).
 [International Conference RelMiCS /6./, Workshop of COST Action 274 TARSKI /1./, Oisterwijk (NL), 16.10.2001-21.10.2001]
[DOI: 10.1007/3-540-36280-0_6](https://doi.org/10.1007/3-540-36280-0_6)

- 238. Hájek, Petr**
Relations in GUHA Style Data Mining.
Proceedings of the sixth international workshop on Relational Methods in Computer Science ReLMiCS'6 and the first international workshop of COST Action 274 Theory and Application of Relational Structures as Knowledge Instruments TARSKI. Brabant : Katholieke Universiteit, 2001 - (de Swart, H.), s. 91-96
[ReLMiCS'6 & TARSKI. Oisterwijk (NL), 16.10.2001-21.10.2001]
- 237. Hájek, Petr**
The GUHA Method and Mining Association Rules.
Computational Intelligence: Methods and Applications. Canada : ICSC Academic Press, 2001 - (Kuncheva, L.), s. 533-539 ISBN 3-906454-26-6.
[CIMA 2001. Bangor (GB), 19.06.2001-22.06.2001]
- 236. Hájek, Petr - Haniková, Zuzana**
A Contribution on Set Theory in Fuzzy Logic.
Proceedings of the 2001 ASL European Summer Meeting. Wien : Technische Universität, 2001, s. 26-27.
[Logic Colloquium 2001. 06.08.2001-11.08.2001, Vienna]
- 235. Hájek, Petr**
Properties of Monadic Fuzzy Predicate Logics.
Bulletin of Symbolic Logic. Roč. 7, č. 1 (2001), s. 116-117. ISSN 1079-8986.
[European Summer Meeting of the Association for Symbolic Logic. Logic Colloquium 2000. 23.07.2000-31.07.2000, Paris]
- 234. Hájek, Petr**
A New Small Emendation of Gödel's Ontological Proof.
Prague : ITI Charles University, 2001. 10 s. - (ITI Series., 2001-015)
- 233. Hájek, Petr**
Mathematical Fuzzy Logic - State of Art 2001.
Prague : ITI Charles University, 2001. 19 s. - (ITI Series, 2001-027)
- 232. Hájek, Petr**
Some Hedges for Continuous t-norm Logics.
Prague : ICS AS CR, 2001. 4 s. - (Technical Report, V-857)
<http://hdl.handle.net/11104/0124801>

2000


- 231. Hájek, Petr**
Fuzzy Predicate Calculus and Fuzzy Rules.
Fuzzy If-Then Rules in Computational Intelligence. Boston : Kluwer Academic Publishers, 2000 - (Ruan, D.; Kerre, E.), s. 27-35 ISBN 0-7923-7820-2. - (The Kluwer International Series in Engineering and Computer Science. 553)
 [DOI: 10.1007/978-1-4615-4513-2_2](https://doi.org/10.1007/978-1-4615-4513-2_2)

- 230. Hájek, Petr**
 Many.
Discovering the World with Fuzzy Logic. Heidelberg : Physica-Verlag, 2000 - (Novák, V.), s. 302-309
 ISBN 3-7908-1330-3. - (Studies in Fuzziness and Soft Computing. 57)
- 229. Hájek, Petr**
 On the Metamathematics of Fuzzy Logic.
Discovering the World with Fuzzy Logic. Heidelberg : Physica-Verlag, 2000 - (Novák, V.; Perfilieva, I.),
 s. 155-174 ISBN 3-7908-1330-3. - (Studies in Fuzziness and Soft Computing. 57)
- 228. Hájek, Petr**
 Prolhaná gratulace.
Transdisciplinární Gratulovník k 60. narozeninám Ivana M. Havla. Praha : Oikoymenh, 2000 -
 (Fiala, J.; Chvatík, I.), s. 249-255 ISBN 80-7298-006-8
- 227. Hájek, Petr - Harmancová, Dagmar**
 A Hedge for Gödel Fuzzy Logic.
International Journal of Uncertainty, Fuzziness and Knowledge-Based Systems. Roč. 8, č. 4 (2000),
 s. 495-498. ISSN 0218-4885
 Impakt faktor: 0.145, rok: 2000
[DOI: 10.1142/S0218488500000332](https://doi.org/10.1142/S0218488500000332)
- 226. Hájek, Petr**
 Logics for Data Mining (GUHA Rediviva).
Neural Network World. Roč. 10, č. 3 (2000), s. 301-311. ISSN 1210-0552.
 [Neural Network World 2000. Prague, 09.07.2000-12.07.2000]
- 225. Hájek, Petr - Paris, J. - Shepherdson, J.**
 Rational Pavelka Predicate Logic is a Conservative Extension of Łukasiewicz Predicate Logic.
Journal of Symbolic Logic. Roč. 65, č. 2 (2000), s. 669-682. ISSN 0022-4812
 Impakt faktor: 0.350, rok: 2000
<http://projecteuclid.org/euclid.jsl/1183746068>
- 224. Godo, L. - Esteva, F. - Hájek, Petr**
 Reasoning about Probability using Fuzzy Logic.
Neural Network World. Roč. 10, č. 5 (2000), s. 811-824. ISSN 1210-0552.
 [SOFSEM 2000 Workshop on Soft Computing. Milovy, 27.11.2000-28.11.2000]
- 223. Esteva, F. - Godo, L. - Hájek, Petr - Navara, M.**
 Residuated Fuzzy Logics with an Involutive Negation.
Archive for Mathematical Logic. Roč. 39, č. 2 (2000), s. 103-124. ISSN 0933-5846
 Impakt faktor: 0.321, rok: 2000
[DOI: 10.1007/s001530050006](https://doi.org/10.1007/s001530050006)
- 222. Hájek, Petr - Paris, J. - Shepherdson, J.**
 The Liar Paradox and Fuzzy Logic.
Journal of Symbolic Logic. Roč. 65, č. 1 (2000), s. 339-346. ISSN 0022-4812
 Impakt faktor: 0.350, rok: 2000
<http://projecteuclid.org/euclid.jsl/1183746025>




- 221. Dubois, D. - Hájek, Petr - Prade, H.**
Knowledge-Driven Versus Data-Driven Logics.
Journal of Logic, Language and Information. Roč. 9, č. 1 (2000), s. 65-89. ISSN 0925-8531
[DOI: 10.1023/A:1008370109997](https://doi.org/10.1023/A:1008370109997)
- 220. Hájek, Petr**
Function Symbols in Fuzzy Predicate Logic.
Proceedings East West Fuzzy Colloquium 2000. Zittau/Görlitz : IPM, 2000, s. 2-8.
ISBN 3-00-006723-X. - (Wissenschaftliche Berichte. Heft 64, Nr. 1761-1805).
[Zittau Fuzzy Colloquium /8./, Zittau (DE), 06.09.2000-08.09.2000]
- 219. Hájek, Petr**
Mathematical Fuzzy Logic - State of Art.
Logic Colloquium' 98 Proceedings of the Annual European Summer Meeting of the Association for Symbolic Logic. Natick : ASL, 2000 - (Buss, S.; Hájek, P.; Pudlák, P.), s. 197-205 ISBN 1-56881-113-6. - (Lecture Notes in Logic. 13).
[Logic Colloquium'98. Prague (CZ), 09.08.1998-15.08.1998]
- 218. Buss, S.R. (ed.) - Hájek, Petr (ed.) - Pudlák, Pavel (ed.)**
Logic Colloquium' 98. Proceedings of the Annual European Summer Meeting of the Association for Symbolic Logic.
Natick : ASL, 2000. 541 s. (Lecture Notes in Logic, 13). ISBN 1-56881-114-4.
[Logic Colloquium'98. Prague (CZ), 09.08.1998-15.08.1998]
- 217. Hájek, Petr**
Soft Computing. Nové informatické paradigma, nebo módní slogan?
Vesmír. Roč. 79, č. 12 (2000), s. 683-685. ISSN 0042-4544

1999

- 216. Godo, L. - Hájek, Petr**
A Note on Fuzzy inference as Deduction.
Fuzzy Sets, Logics and Reasoning about Knowledge. Dordrecht : Kluwer Academic Publ., 1999 - (Dubois, D.; Prade, H.; Klement, E.), s. 237-241 ISBN 0-7923-5977-1. - (Applied Logic Series. 15)
- 215. Hájek, Petr**
Ten Questions and One Problem on Fuzzy Logic.
Annals of Pure and Applied Logic. Roč. 96, č. 1-3 (1999), s. 157-165. ISSN 0168-0072
Impakt faktor: 0.426, rok: 1999
[DOI: 10.1016/S0168-0072\(98\)00037-2](https://doi.org/10.1016/S0168-0072(98)00037-2)
- 214. Godo, L. - Hájek, Petr**
Fuzzy Inference as Deduction.
Journal of Applied Non-Classical Logics. Roč. 9, č. 1 (1999), s. 37-60. ISSN 1166-3081
[DOI: 10.1080/11663081.1999.10510957](https://doi.org/10.1080/11663081.1999.10510957)
- 213. Hájek, Petr**
Fuzzy Predicate Calculus and Fuzzy Rules.
Fuzzy-Neuro Systems 99. Leipzig : Leipziger Universitätsverlag, 1999 - (Brewka, G.; Der, R.; Gottwald, S.; Schierwagen, A.), s. 1-8 ISBN 3-933240-75-1.
[FNS'99. Leipzig (DE), 18.03.1999-19.03.1999]

- 212. Hájek, Petr**
 Trakhtenbrot Theorem and Fuzzy Logic.
Computer Science Logic. Berlin : Springer, 1999 - (Gottlob, G.; Grandjean, E.; Seyr, K.), s. 1-8
 ISBN 3-540-65922-6. - (Lecture Notes in Computer Science. 1584).
 [CSL'98 International Workshop /12./, Annual Conference of the EACSL. Brno (CZ), 24.08.1999-
 28.08.1999]
 [DOI: 10.1007/10703163_1](https://doi.org/10.1007/10703163_1)

1998

- 211. Hájek, Petr**
 Metamathematics of Fuzzy Logic.
 Dordrecht : Kluwer Academic Publishers, 1998. 297 s. - (Trends in Logic, Vol. 4). ISBN 0-7923-5238-6
- 210. Hájek, Petr**
 Logics of Knowing and Believing.
Intelligence and Artificial Intelligence. An Interdisciplinary Debate. Berlin : Springer, 1998 -
 (Ratsch, U.; Richter, M.; Stamatescu, I.), s. 96-108 ISBN 3-540-63780-X
- 209. Hájek, Petr**
 Basic Fuzzy Logic and BL-Algebras.
Soft Computing. Roč. 2, č. 3 (1998), s. 124-128. ISSN 1432-7643
 [DOI: 10.1007/s005000050043](https://doi.org/10.1007/s005000050043)
- 208. Hájek, Petr**
 Ten Claims about Fuzzy Logic.
Soft Computing. Roč. 2, č. 1 (1998), s. 14-15. ISSN 1432-7643
 [DOI: 10.1007/s005000050027](https://doi.org/10.1007/s005000050027)
- 207. Baaz, M. - Hájek, Petr - Krajíček, Jan - Švejda, David**
 Embedding Logics into Product Logic.
Studia Logica. Roč. 61, č. 1 (1998), s. 35-47. ISSN 0039-3215
 [DOI: 10.1023/A:1005026229560](https://doi.org/10.1023/A:1005026229560)
- 206. Hájek, Petr**
 Ještě o elementární logice.
 [Once More on Elementary Logic.]
Pokroky matematiky, fyziky & astronomie. Roč. 43, č. 4 (1998), s. 324-325. ISSN 0032-2423
<http://dml.cz/dmlcz/139749>
- 205. Hájek, Petr - Sochor, Antonín**
 Klasická logika v kontextu svých zobecnění a boj docenta Fialy proti větrným mlýnům.
 [Classical Logic in the Context on its Generalization and the Fight of Prof. Fiala Against Wind Mills.]
Pokroky matematiky, fyziky & astronomie. Roč. 43, č. 1 (1998), s. 39-45. ISSN 0032-2423
<http://dml.cz/dmlcz/138473>

- 204. Hájek, Petr - Holeňa, Martin**
 Formal Logics of Discovery and Hypothesis Formation by Machine.
Discovery Science. Berlin : Springer, 1998 - (Arikawa, S.; Motoda, H.), s. 291-302
 ISBN 3-540-65390-2. - (Lecture Notes in Artificial Intelligence. 1532).
 [DS'1998. Discovery Science. International Conference /1./. Fukuoka (JP), 14.12.1998-16.12.1998]
[DOI: 10.1007/3-540-49292-5_26](https://doi.org/10.1007/3-540-49292-5_26)
- 203. Hájek, Petr**
 Logics for Data Mining (GUHA rediviva).
Workshop of Japanese Society for Artificial Intelligence. Tokyo : JSAI, 1998, s. 27-34.
 [JSAI Workshop. Tokyo (JP), 17.12.1998]
- 202. Hájek, Petr - Paris, J. - Shepherdson, J.**
 The Liar Paradox and Fuzzy Logic.
Fourth International Conference on Fuzzy Sets Theory and Its Applications. Liptovský Mikuláš :
 Military Academy, 1998, s. 52-52.
 [International Conference on Fuzzy Sets Theory and Its Applications /4./. 02.02.1998-06.02.1998,
 Liptovský Mikuláš]
- 201. Daniel, Milan - Hájek, Petr**
 Theoretical Comparison of Inference in CADIAG-2 and MYCIN-like Systems.
Fourth International Conference on Fuzzy Sets Theory and Its Applications. Liptovský Mikuláš :
 Military Academy, 1998, s. 24-25.
 [International Conference on Fuzzy Sets Theory and Its Applications /4./. 02.02.1998-06.02.1998,
 Liptovský Mikuláš]





1997

- 200. Hájek, Petr - Paris, J.**
 A Dialogue on Fuzzy Logic.
Soft Computing. Roč. 1, č. 1 (1997), s. 3-5. ISSN 1432-7643
[DOI: 10.1007/s005000050001](https://doi.org/10.1007/s005000050001)
- 199. Daniel, Milan - Hájek, Petr - Nguyen, Hoang Phuong**
 CADIAG-2 and MYCIN-like Systems.
Artificial Intelligence in Medicine. Roč. 9, č. 3 (1997), s. 241-259. ISSN 0933-3657
 Impakt faktor: 1.426, rok: 1997
[DOI: 10.1016/S0933-3657\(96\)00376-4](https://doi.org/10.1016/S0933-3657(96)00376-4)
- 198. Hájek, Petr**
 Fuzzy Logic and Arithmetical Hierarchy II.
Studia Logica. Roč. 58, č. 1 (1997), s. 129-141. ISSN 0039-3215
[DOI: 10.1023/A:1004948116720](https://doi.org/10.1023/A:1004948116720)
- 197. Hájek, Petr - Švejda, David**
 A Strong Completeness Theorem for Finitely Axiomatized Fuzzy Theories.
Fuzzy Sets Theory and Applications. Bratislava : Mathematical Institute SAS, 1997 - (Mesiar, R.;
 Novák, V.), s. 213-219 - (Tatra Mountains Mathematical Publications. 12).
 [FSTA 1996 /3./. Liptovský Ján (SK), 22.01.1996-26.01.1996]
http://tatra.mat.savba.sk/paper.php?id_paper=437

- 196. Hájek, Petr - Godo, L.**
Deductive Systems of Fuzzy Logic. [Tutorial].
Fuzzy Structures Current Trends. Bratislava : Mathematical Institute SAS, 1997 - (Mesiar, R.; Riečan, B.), s. 35-66 - (Tatra Mountains Mathematical Publications. 13).
[IFSA Congress '97 /7./]. Prague (CZ), 23.06.1997-24.06.1997]
http://tatra.mat.savba.sk/paper.php?id_paper=52
- 195. Hájek, Petr**
Logic in Central and Eastern Europe.
Logic and Scientific Methods. Dordrecht : Kluwer Academic Publishers, 1997 - (Chiara, M.), s. 449-449
[International Congress of Logic, Methodology and Philosophy of Science /10./]. 19.08.1995-25.08.1995, Florence]
- 194. Hájek, Petr**
Basic Fuzzy Logic and BL-Algebras.
Prague : ICS AS CR, 1997. 12 s. - (Technical Report, V-736)
<http://hdl.handle.net/11104/0123654>
- 193. Hájek, Petr - Godo, L.**
Deductive Systems of Fuzzy Logic (A Tutorial).
Prague : ICS AS CR, 1997. 31 s. - (Technical Report, V-707)
<http://hdl.handle.net/11104/0123388>
- 192. Pokorný, D. - Sochorová, Anna - Dahlbender, R. W. - Hájek, Petr - Kächele, H. - Torres, L. - Zöllner, M.**
Do We Use Stereotypes in Our Relationship to the Others?
Prague : ICS AS CR, 1997. 26 s. - (Technical Report, V-705)
- 191. Dubois, D. - Hájek, Petr - Prade, H.**
Knowledge-Driven Versus Data-Driven Logics.
Toulouse : Institut de Recherche en Informatique de Toulouse, 1997. 21 s. - (Rapport, IRIT/97-46-R)
- 190. Hájek, Petr - Richards, B.**
Managing Uncertainty in Medicine Final Report.
Prague : ICS AS CR, 1997. 34 s. - (Technical Report, V-703)
<http://hdl.handle.net/11104/0123314>
- 189. Hájek, Petr**
Trakhtenbrot Theorem and Fuzzy Logic.
Prague : ICS AS CR, 1997. 6 s. - (Technical Report, V-737)
<http://hdl.handle.net/11104/0123655>

1996

- 188. Hájek, Petr**
Gödelův důkaz existence Boha.
Kurt Gödel. Praha : Nadace Universitas Masarykianae, 1996 - (Malina, J.; Novotný, J.), s. 117-128
ISBN 80-901604-5-X

- 187. Hájek, Petr**
 Matematik a logik.
Kurt Gödel. Praha : Nadace Universitas Masarykianae, 1996 - (Malina, J.; Novotný, J.), s. 74-92
 ISBN 80-901604-5-X
- 186. Hájek, Petr - Godo, L. - Esteva, F.**
 A Complete Many-Valued Logic with Product-Conjunction.
Archive for Mathematical Logic. Roč. 35, č. 3 (1996), s. 191-208. ISSN 0933-5846
 Impakt faktor: 0.271, rok: 1996
 [DOI: 10.1007/BF01268618](https://doi.org/10.1007/BF01268618)
- 185. Hájek, Petr**
 A Remark on Bandler-Kohout Products of Relations.
International Journal of General Systems. Roč. 25, č. 2 (1996), s. 165-166. ISSN 0308-1079
 Impakt faktor: 0.214, rok: 1996
 [DOI: 10.1080/03081079608945141](https://doi.org/10.1080/03081079608945141)
- 184. Hájek, Petr - Kohout, L.**
 Fuzzy Implications and Generalized Quantifiers.
International Journal of Uncertainty, Fuzziness and Knowledge-Based Systems. Roč. 4, č. 3 (1996), s. 225-233. ISSN 0218-4885
 [DOI: 10.1142/S0218488596000135](https://doi.org/10.1142/S0218488596000135)
- 183. Hájek, Petr**
 Getting Belief Functions from Kripke Models.
International Journal of General Systems. Roč. 24, č. 3 (1996), s. 325-327. ISSN 0308-1079
 Impakt faktor: 0.214, rok: 1996
 [DOI: 10.1080/03081079608945125](https://doi.org/10.1080/03081079608945125)
- 182. Hájek, Petr - Harmancová, Dagmar**
 A Many-valued Modal Logic.
Proceedings IPMU'96. Information Processing and Management of Uncertainty in Knowledge-Based Systems. Granada : Universidad de Granada, 1996, s. 1021-1024. ISBN 84-8254-078-5.
 [IPMU'96 /6./. Granada (ES), 01.07.1996-05.07.1996]
- 181. Hájek, Petr**
 Magari and Others on Gödel's Ontological Proof.
Logic and Algebra. New York : Marcel Dekker, 1996 - (Ursini, A.; Agliano, P.), s. 125-136
 ISBN 0-8247-9606-3. - (Lecture Notes in Pure and Applied Mathematics. 180).
 [MAGCONF. Siena (IT), 29.04.1994-30.04.1994]
- 180. Godo, L. - Hájek, Petr**
 On Deduction in Zadeh's Fuzzy Logic.
Proceedings IPMU'96. Information Processing and Management of Uncertainty in Knowledge-Based Systems. Granada : Universidad de Granada, 1996, s. 991-996. ISBN 84-8254-078-5.
 [IPMU'96 /6./. Granada (ES), 01.07.1996-05.07.1996]
- 179. Hájek, Petr (ed.)**
 Gödel'96. Logical Foundations of Mathematics, Computer Science and Physics - Kurt Gödel's Legacy.
 Berlin : Springer, 1996. 322 s. (Lecture Notes in Logic, 6). ISBN 3-540-61434-6.
 [Gödel'96. Brno (CZ), 25.08.1996-29.08.1996]

178. Hájek, Petr - Harmancová, Dagmar
The Prague Seminar of Applied Mathematical logic and its Work on Fuzzy logic.
Fuzzy Sets and Systems. Elsevier. Roč. 82, č. 1 (1996), s. 128-129. ISSN 0165-0114
[DOI: 10.1016/0165-0114\(96\)87707-4](https://doi.org/10.1016/0165-0114(96)87707-4)

177. Hájek, Petr
Metamathematics of Fuzzy Logic. Part I.
Prague : ICS AS CR, 1996. 76 s. - (Technical Report, V-682)

1995

176. Richards, B. - Hájek, Petr - Zvárová, Jana - Jiroušek, Radim - Esteva, F. - Lubicz, M.
MUM: Managing Uncertainty in Medicine.
Health in the New Communications Age. Health Care Telematics for the 21st Century. Amsterdam : IOS Press, 1995 - (Laires, M.; Ladeira, M.; Christensen, J.), s. 247-250 ISBN 978-90-5199-224-3. - (Studies in Health Technology and Informatics. 24)

175. Hájek, Petr - Harmancová, Dagmar - Verbrugge, R.
A Qualitative Fuzzy Possibilistic Logic.
International Journal of Approximate Reasoning. Roč. 12, č. 1 (1995), s. 1-19. ISSN 0888-613X
Impakt faktor: 0.630, rok: 1995
[DOI: 10.1016/0888-613X\(94\)00011-Q](https://doi.org/10.1016/0888-613X(94)00011-Q)

174. Hájek, Petr
Fuzzy Logic and Arithmetical Hierarchy.
Fuzzy Sets and Systems. Roč. 73, č. 3 (1995), s. 359-363. ISSN 0165-0114
Impakt faktor: 0.445, rok: 1995
[DOI: 10.1016/0165-0114\(94\)00299-M](https://doi.org/10.1016/0165-0114(94)00299-M)

173. Hájek, Petr - Sochorová, Anna - Zvárová, Jana
GUHA for Personal Computers.
Computational Statistics and Data Analysis. Roč. 19, č. 2 (1995), s. 149-153. ISSN 0167-9473
Impakt faktor: 0.285, rok: 1995
[DOI: 10.1016/0167-9473\(93\)E0053-7](https://doi.org/10.1016/0167-9473(93)E0053-7)

172. Hájek, Petr - Godo, L. - Esteva, F.
Fuzzy Logic and Probability.
Uncertainty in Artificial Intelligence. Proceedings of the Eleventh Conference. San Francisco : Morgan Kaufmann, 1995 - (Besnard, P.; Hanks, S.), s. 237-244 ISBN 1-55860-385-9.
[UAI'95. Montréal (CA), 18.08.1995-20.08.1995]

171. Hájek, Petr
Fuzzy Logic as Logic.
Mathematical Models for Handling Partial Knowledge in Artificial Intelligence. New York : Plenum Press, 1995 - (Coletti, G.; Dubois, D.; Scozzafava, R.), s. 21-30 ISBN 0-306-45076-3.
[Mathematical Models for Handling Partial Knowledge in AI /18./, Erice (IT), 19.06.1994-25.06.1994]




- 170. Hájek, Petr**
 Fuzzy Logic from the Logical Point of View.
SOFSEM'95: Theory and Practice of Informatics. Berlin : SpringerVerlag, 1995 - (Bartošek, M.; Staudek, J.; Wiedermann, J.), s. 31-49 ISBN 3-540-60609-2. - (Lecture Notes in Computer Science. 1012).
 [SOFSEM'95 /22./, Milovy (CZ), 23.11.1995-01.12.1995]
[DOI: 10.1007/3-540-60609-2_2](https://doi.org/10.1007/3-540-60609-2_2)
- 169. Hájek, Petr**
 On Logics of Approximate Reasoning II.
Proceedings of the ISSEK94 Workshop on Mathematical and Statistical Methods in Artificial Intelligence. Wien : Springer-Verlag, 1995 - (della Riccia, G.; Kruse, R.; Viertl, R.), s. 147-156 ISBN 3-211-82713-7. - (Courses and Lectures. 363).
 [ISSEK'94. Udine (IT), 06.09.1994-08.09.1994]
- 168. Hájek, Petr**
 Possibilistic Logic as Interpretability logic.
Advances in Intelligent Computing - IPMU'94. Berlin : SpringerVerlag, 1995 - (Bouchon-Meunier, B.; Yager, R.; Zadeh, L.), s. 273-280 ISBN 3-540-60116-3. - (Lecture Notes in Computer Science. 945).
 [IPMU '94 /5./, Paris (FR), 04.07.1994-08.07.1994]
[DOI: 10.1007/BFb0035960](https://doi.org/10.1007/BFb0035960)
- 167. Hájek, Petr**
 O Gödelově důkazu.
Filosofické otázky matematiky a fyziky. Brno : JČMF, 1995 - (Bečvář, J.; Fuchs, E.; Hrubý, D.; Trojánek, A.), s. 5-16
 [Seminář JČMF /7./, Jevíčko (CZ), 22.08.1994-25.08.1994]
- 166. Wiedermann, Jiří (ed.) - Hájek, Petr (ed.)**
 Mathematical Foundations of Computer Science 1995.
 Berlin : Springer, 1995. 588 s. (Lecture Notes in Computer Science, 969). ISBN 3-540-60246-1.
 [MFCS'95. Prague (CR), 28.08.1995-01.09.1995]
[DOI: 10.1007/3-540-60246-1](https://doi.org/10.1007/3-540-60246-1)
- 165. Hájek, Petr - Harmancová, Dagmar**
 Medical Fuzzy Expert Systems and Reasoning about Beliefs.
Artificial Intelligence in Medicine. Berlin : Springer, 1995 - (Barahona, P.; Stefanelli, M.; Wyatt, J.), s. 403-404. (Lecture Notes in Artificial Intelligence, 934). ISBN 3-540-60025-6.
 [Conference on Artificial Intelligence in Medicine Europe AIME '95 /5./, 25.06.1995-28.06.1995, Pavia]
[DOI: 10.1007/3-540-60025-6_159](https://doi.org/10.1007/3-540-60025-6_159)
- 164. Hájek, Petr - Nguyen, Hoang Phuong**
 Möbius Transform for CADIAG-2.
 Prague : ICS AS CR, 1995. 19 s. - (Technical Report, V-650)
<http://hdl.handle.net/11104/0123082>
- 163. Hájek, Petr**
 Possibilistic Logic as Interpretability Logic.
 Prague : ICS AS CR, 1995. 9 s. - (Technical Report, V-630)
<http://hdl.handle.net/11104/0122698>

1994

- 162. Hájek, Petr - Švejdar, V.**
 Matematická logika. Studijní materiál.
 Praha : MFF, 1994. 62 s.
- 161. Harmanec, David - Hájek, Petr**
 A Qualitative Belief Logic.
International Journal of Uncertainty, Fuzziness and Knowledge-Based Systems. Roč. 2, č. 2 (1994),
 s. 227-236. ISSN 0218-4885
[DOI: 10.1142/S0218488594000171](https://doi.org/10.1142/S0218488594000171)
- 160. Hájek, Petr - Valdés, J. J.**
 An Analysis of MYCIN-like Expert Systems.
Mathware and Soft Computing. Roč. 1, - (1994), s. 45-68. ISSN 1134-5632
<http://ic.ugr.es/Mathware/index.php/Mathware/article/view/315>
- 159. Hájek, Petr**
 On Logics of Approximate Reasoning.
Knowledge Representation and Reasoning Under Uncertainty. Logic at Work. Berlin : Springer-Verlag, 1994 - (Masuch, M.; Pólos, L.), s. 17-29 ISBN 3-540-58095-6. - (Lecture Notes in Artificial Intelligence. 808).
 [Conference Logic at Work. Amsterdam (NL), 17.12.1992-19.12.1992]
[DOI: 10.1007/3-540-58095-6_2](https://doi.org/10.1007/3-540-58095-6_2)
- 158. Hájek, Petr - Harmancová, Dagmar - Esteva, F. - García, P. - Godo, L.**
 On Modal Logics of Qualitative Possibility in a Fuzzy Setting.
Uncertainty in Artificial Intelligence. Proceedings of the 10. Conference. San Francisco : Morgan Kaufmann, 1994 - (Mantaras de, L.; Poole, D.), s. 278-285 ISBN 1-55860-332-8.
 [UAI'94. Seattle (US), 29.07.1994-31.07.1994]
- 157. Hájek, Petr**
 Possibilistic Logic as Interpretability Logic.
IPMU. Information Processing and Management of Uncertainty in Knowledge-Based Systems. Paris : Cité Internationale Universitaire, 1994, s. 815-819. ISBN 2-905433-26-4.
 [IPMU '94 /5./. Paris (FR), 04.07.1994-08.07.1994]
- 156. Hájek, Petr - Zvárová, Jana**
 Medical Decision Making and Uncertainty Management.
Knowledge and Decisions in Health Telematics. Amsterdam : IOS Press, 1994 - (Barahona, P.; Christensen, J.), s. 224-225 ISBN 978-90-5199-152-9.
 [The Brussels Seminar EPISTOL. 19.11.1993, Brussels]
- 155. Hájek, Petr**
 On Logics of Approximate Reasoning.
Modelling' 94. Abstracts. Prague : ICS AS CR, 1994, s. 23-23.
 [International Symposium on Mathematical Modelling and Computational Methods. 29.08.1994-02.09.1994, Prague]
- 154. Hájek, Petr - Zvárová, Jana - Esteva, F.**
 Managing Uncertainty in Medicine - State of Art Report.
 Prague : ICS AS CR, 1994. - s. - (Technical Report - grant MUM)



153. **Hájek, Petr - Harmancová, Dagmar**
Medical Fuzzy Expert Systems and Reasoning about Beliefs.
Prague : ICS AS CR, 1994. 8 s. - (Technical Report, V-632)
<http://hdl.handle.net/11104/0122699>
152. **Kufudaki, Olga - Žák, Přemysl - Harmancová, Dagmar - Hájek, Petr - Štuller, Július - Prokop, J. - Javorský, Stanislav - Hrycej, David**
Zpráva o výsledcích výzkumu pro Centrum klastrové medicíny za rok 1993.
Praha : ÚIVT AV ČR, 1994. 48 s. - (Výzkumná zpráva, V-573)


1993

151. **Hájek, Petr - Pudlák, Pavel**
Metamathematics of First-Order Arithmetic.
Berlin : Springer-Verlag, 1993. 460 s. - (Perspectives in Mathematical Logic). ISBN 3-540-50632-2
150. **Hájek, Petr**
Epistemic Entrenchment and Arithmetical Hierarchy.
Artificial Intelligence. Roč. 62, č. 1 (1993), s. 79-87, [errata Roč. 65, č. 1 /1994/ s. 191].
ISSN 0004-3702
Impakt faktor: 2.469, rok: 1993
 [DOI: 10.1016/0004-3702\(93\)90046-E](https://doi.org/10.1016/0004-3702(93)90046-E)
149. **Hájek, Petr**
On Logics of Approximate Reasoning.
Neural Network World. Roč. 3, č. 6 (1993), s. 733-744. ISSN 1210-0552
148. **Hájek, Petr**
Systems of Conditional Beliefs in Dempster-Shafer Theory and Expert Systems.
International Journal of General Systems. Roč. 22, č. 2 (1993), s. 113-124. ISSN 0308-1079
Impakt faktor: 0.293, rok: 1993
 [DOI: 10.1080/03081079308935200](https://doi.org/10.1080/03081079308935200)
147. **Hájek, Petr - Rauch, J.**
Intelligentní analýza dat a GUHA.
Computer Echo. Roč. 4, č. 3 (1993), s. 31-33. ISSN 0862-870X
146. **Hájek, Petr**
Práce s nejistotou v systémech umělé inteligence.
Computer Echo. č. 1 (1993), s. 29-31. ISSN 0862-870X
145. **Hájek, Petr - Harmancová, Dagmar**
A Comparative Fuzzy Modal Logic.
FLAI'93. Fuzzy Logic in Artificial Intelligence. Berlin : Springer-Verlag, 1993 - (Klement, E.), s. 27-34
ISBN 3-540-56920-0. - (Lecture Notes in Artificial Intelligence. 695).
[Austrian Artificial Intelligence Conference /8./, Linz (AT), 28.06.1993-30.06.1993]
 [DOI: 10.1007/3-540-56920-0_5](https://doi.org/10.1007/3-540-56920-0_5)


- 144. Hájek, Petr - Montagna, F. - Pudlák, Pavel**
Abbreviating Proofs Using Metamathematical Rules.
Arithmetic, Proof Theory and Computational Complexity. Oxford : Clarendon Press, 1993 - (Clote, P.; Krajíček, J.), s. 197-221 ISBN 978-0-19-853690-1. - (Oxford Logic Guides. 23)
- 143. Hájek, Petr**
Deriving Dempster's Rule.
Uncertainty in Intelligent Systems. Amsterdam : North Holland, 1993 - (Bouchon-Meunier, B.; Valverde, L.; Yager, R.), s. 75-83 ISBN 0-444-81508-2.
[IPMU '92. Mallorca (ES), 06.07.1992-10.07.1992]
- 142. Hájek, Petr**
Interpretability and Fragments of Arithmetic.
Arithmetic, Proof Theory and Computational Complexity. Oxford : Clarendon Press, 1993 - (Clote, P.; Krajíček, J.), s. 185-196 ISBN 978-0-19-853690-1. - (Oxford Logic Guides. 23)
- 141. Bendová, K. - Hájek, Petr**
Possibilistic Logic as Tense Logic.
Qualitative Reasoning and Decision Technologies. Barcelona : CIMNE Barcelona, 1993 - (Carete, P.; Singh, M.), s. 441-450
[Qualitative reasoning and decision technologies. Barcelona (ES), 16.06.1993-18.06.1993]

1992



- 140. Hájek, Petr - Havránek, Tomáš - Jiroušek, Radim**
Uncertain Information Processing in Expert Systems.
Boca Raton : CRC Press, 1992. 285 s. ISBN 0-8493-6368-3
- 139. Hájek, Petr - Harmanec, David**
An Exercise in Dempster-Shafer Theory.
International Journal of General Systems. Roč. 20, č. 2 (1992), s. 137-142. ISSN 0308-1079
Impakt faktor: 0.761, rok: 1992
 [DOI: 10.1080/03081079208945023](https://doi.org/10.1080/03081079208945023)
- 138. Hájek, Petr - Montagna, F.**
The Logic of Π_1 -conservativity Continued.
Archive for Mathematical Logic. Roč. 32, č. 1 (1992), s. 57-63. ISSN 0933-5846
 [DOI: 10.1007/BF01270395](https://doi.org/10.1007/BF01270395)
- 137. Hájek, Petr**
Musikalische Rhetorik der Choralvorspiele Bachs.
1015-0102. *European Journal for Semiotic Studies*. -, č. 4 (1992), s. 659-675
- 136. Hájek, Petr**
Dempster-Shafer theory of evidence: what it is and how (not) to use it.
SOFSEM '92. Brno : UVT MU, 1992, s. 19-24.
[SOFSEM'92 /19./. Magura, High Tatras (CS), 22.11.1992-04.12.1992]

- 135. Hájek, Petr**
Deriving Dempster's Rule.
IPMU'92. Information Processing and Management of Uncertainty in Knowledge-Based Systems.
Valldemossa : Universitat de les Illes Balears, 1992, s. 73-75. ISBN 84-7632-142-2.
[IPMU '92. Mallorca (ES), 06.07.1992-10.07.1992]
- 134. Hájek, Petr - Harmanec, David**
On Belief Functions (Present State of Dempster-Shafer Theory).
Advanced Topics in Artificial Intelligence. Berlin : Springer Verlag, 1992 - (Mařík, V.; Štěpánková, O.;
Trapp, R.), s. 286-307 ISBN 3-540-55681-8. - (Lecture Notes in Artificial Intelligence. 617).
[Summer School on Advanced Topics in Artificial Intelligence. Praha (CS), 06.07.1992-17.07.1992]
 [DOI: 10.1007/3-540-55681-8_41](https://doi.org/10.1007/3-540-55681-8_41)

1991

- 133. Hájek, Petr - Valdés, J. J.**
A Generalized Algebraic Approach to Uncertainty Processing in Rule-based Expert Systems
(Dempsteroids).
Computers and Artificial Intelligence. Roč. 10, č. 1 (1991), s. 29-42. ISSN 0232-0274
Impakt faktor: 0.181, rok: 1991
- 132. Hájek, Petr - Švejdar, V.**
A Note on the Normal Form of Closed Formulas of Interpretability Logic.
Studia Logica. Roč. 50, č. 1 (1991), s. 25-28. ISSN 0039-3215
 [DOI: 10.1007/BF00370384](https://doi.org/10.1007/BF00370384)
- 131. Hájek, Petr**
Towards a Probabilistic Analysis of MYCIN-like Expert Systems - a postscript.
Workshop on Uncertainty Processing in Expert Systems. Prague : Institute of Information Theory
and Automation CAS, 1991, s. 1-7.
[WUPES '91. Alšovice (CS), 09.09.1991-12.09.1991]

1990

- 130. Hájek, Petr - Valdés, J. J.**
Algebraic Foundations of Uncertainty Processing in Rule-based Expert Systems (group-theoretic
approach).
Computers and Artificial Intelligence. Roč. 9, č. 4 (1990), s. 325-344. ISSN 0232-0274
Impakt faktor: 0.200, rok: 1990
- 129. Clote, P. - Hájek, Petr - Paris, J.**
On Some Formalized Conservation Results in Arithmetic.
Archive for Mathematical Logic. Roč. 30, č. 4 (1990), s. 201-218. ISSN 0933-5846
 [DOI: 10.1007/BF01792983](https://doi.org/10.1007/BF01792983)
- 128. Hájek, Petr - Montagna, F.**
The Logic of Π_1 -conservativity.
Archive for Mathematical Logic. Roč. 30, č. 2 (1990), s. 113-123. ISSN 0933-5846
 [DOI: 10.1007/BF01634981](https://doi.org/10.1007/BF01634981)

- 127. Hájek, Petr - Hájková, M.**
The Expert System Shell EQUANT-PC: Philosophy, Structure and Implementation.
Computational Statistics Quarterly. Roč. 5, č. 4 (1990), s. 261-267. ISSN 0723-712X
- 126. Hájek, Petr**
A Note on Belief Functions in MYCIN-Like Systems.
Aplikace umělé inteligence AI'90. Praha : Ústav pro informační systémy v kultuře, 1990, s. 19-26.
[AI'90. Praha (CS), 20.03.1990-22.03.1990]
- 125. Hájek, Petr - Havránek, Tomáš**
Moderní metody práce s nejistotou v expertních systémech.
SOFSEM'90. Brno : Ústav výpočetní techniky ÚJEP, 1990, s. 137-156.
[SOFSEM'90 /17./. Janské Lázně (CS), 18.11.1990-30.11.1990]

1989


- 124. Hájek, Petr - Havránek, Tomáš - Jiroušek, Radim**
Zpracování nejisté informace v expertních systémech.
Praha : MÚ ČSAV-ČSVTS, 1989. 96 s.
- 123. Hájek, Petr - Kučera, A.**
On Recursion Theory in $I\Sigma_1$.
Journal of Symbolic Logic. Roč. 54, č. 2 (1989), s. 576-589. ISSN 0022-4812
Impakt faktor: 0.331, rok: 1989
<http://projecteuclid.org/euclid.jsl/1183742928>
- 122. Hájek, Petr - Hájková, M. - Havránek, Tomáš - Daniel, Milan**
The Expert System Shell EQUANT-PC: Brief Information.
Kybernetika. Roč. 25, č. 7 (1989), s. 4-9. ISSN 0023-5954
<http://dml.cz/dmlcz/125418>
- 121. Hájek, Petr - Hájková, M. - Havránek, Tomáš - Daniel, Milan**
Prázdný expertní systém EQUANT-PC.
Dni nové techniky elektronického výskumu 1989. Praha : TESLA VÚST, 1989, s. 60-67
- 120. Hájek, Petr - Hájková, M. - Havránek, Tomáš - Daniel, Milan**
Prázdný expertní systém EQUANT-PC.
Metody umělé inteligence a expertní systémy IV. Praha : ČSVTS - FEL ČVUT, 1989, s. 90-95.
ISBN 80-02-99823-5
- 119. Hájek, Petr**
Towards a Probabilistic Analysis of MYCIN-like Expert Systems II.
Artificial Intelligence and Information-Control Systems of Robots '89. Amsterdam : NorthHolland, 1989 - (Plander, I.), s. 45-53 ISBN 0-444-88317-7.
[International Conference on Artificial Intelligence and Information-Control Systems of Robots 89 /5./. Štrbské Pleso (CS), 06.11.1989-10.11.1989]
- 118. Hájek, Petr**
Úvod do logiky.
SOFSEM '89. Brno : Ústav výpočetní techniky ÚJEP, 1989, s. 81-92.
[SOFSEM'89 /16./. Ždiar - Vysoké Tatry (CS), 27.11.1989-08.12.1989]

- 117. Hájek, Petr - Hájková, Marie**
On Uncertainty Processing in Expert Systems.
Význam metod umělé inteligence pro zkoumání biologických zákonitostí. Prague : ČSVTS ÚMG ČSAV, 1989 - (Zicha, D.), s. 107-107 ISBN 80-02-99441-8.
[Význam metod umělé inteligence pro zkoumání biologických zákonitostí. Celostátní kurs s mezinárodní účastí. 05.06.1989-07.06.1989, Liblice]

1988

- 116. Hájek, Petr**
What Does Logic Teach Us?
Statistical Software Newsletter. Roč. 14, č. 2 (1988), s. 67
- 115. Hájek, Petr - Hájková, M. - Havránek, Tomáš - Daniel, Milan**
The Expert System Shell EQUANT-PC - Brief Information.
Workshop on Uncertainty Processing in Expert Systems. Prague : Institute of Information Theory and Automation CAS, 1988, s. 1-7.
[WUPES '88. Alšovice (CS), 20.06.1988-23.06.1988]
- 114. Hájek, Petr**
Towards a Probabilistic Analysis of MYCIN-like Expert Systems.
COMPSTAT '88. Proceedings in Computational Statistics. Heidelberg : Physica Verlag, 1988 - (Edwards, D.; Raun, N.), s. 117-121 ISBN 3-7908-0411-8
- 113. Hájek, Petr**
Towards a Probabilistic Analysis of MYCIN-like Expert Systems. (Working paper).
Workshop on Uncertainty Processing in Expert Systems. Prague : Institute of Information Theory and Automation CAS, 1988, s. 1-8.
[WUPES '88. Alšovice (CS), 20.06.1988-23.06.1988]
- 112. Hájek, Petr**
Matematika aritmetiky prvního řádu.
Praha : ČSAV, 1988. 146 s. - (Doktorská disertační práce)

1987

- 111. Hájek, Petr**
Partial Conservativity Revisited.
Journal of Symbolic Logic. Roč. 52, č. 4 (1987), s. 1066-1066. ISSN 0022-4812
<http://projecteuclid.org/euclid.jsl/1183742526>
- 110. Hájek, Petr - Paris, J.**
Combinatorial Principles Concerning Approximations of Functions.
Archiv für Mathematische Logik und Grundlagenforschung. Roč. 26, č. 1 (1987), s. 13-28.
ISSN 0003-9268
 [DOI: 10.1007/BF02017489](https://doi.org/10.1007/BF02017489)

- 109. Hájek, Petr**
Partial Conservativity Revisited.
Commentationes Mathematicae Universitatis Carolinae. Roč. 28, č. 4 (1987), s. 679-690
<http://dml.cz/dmlcz/106582>
- 108. Hájek, Petr - Havránek, Tomáš**
A Note on the Independence Assumption Underlying Subjective Bayesian Updating in Expert Systems.
Artificial Intelligence and Information-Control Systems of Robots. Amsterdam : Elsevier Science Publishers, 1987 - (Plander, I.), s. 41-47 ISBN 0-444-70303-9.
[International Conference on Artificial Intelligence and Information-Control Systems of Robots 87 /4./, Smolenice (CS), 12.11.1987-23.11.1987]
- 107. Hájek, Petr - Valdés, J. J.**
Algebraical Foundations of Uncertainty Processing in Rule Based Consulting Systems II.
Aplikace umělé inteligence AI'87. Prague : ČSVTS Ústav pro informaci a řízení v kultuře, 1987, s. 9-14.
[AI'87. Prague (CS), 22.04.1987-24.04.1987]
- 106. Hájek, Petr**
Dempster-Shaferova teorie evidence a expertní systémy.
Metody umělé inteligence a expertní systémy III. Praha : ČSVTS FEL ČVUT, 1987, s. 54-61
- 105. Hájek, Petr - Hájková, M. - Havránek, Tomáš**
Expertní systém EQUANT.
Seminár Expertné systémy. Bratislava : Dom techniky ČSVTS, 1987, s. 132-137
- 104. Hájek, Petr**
Expertní systémy a logika.
Seminár Expertné systémy. Bratislava : Dom techniky ČSVTS, 1987, s. 42-49
- 103. Hájek, Petr - Hájková, Marie - Havránek, Tomáš**
Konsultační systém EQUANT - stav 1987.
Metody umělé inteligence a expertní systémy III. Praha : ČSVTS FEL ČVUT, 1987, s. 134-140
- 102. Hájek, Petr**
Logic and Plausible Inference in Expert Systems.
Inductive Reasoning: Managing Empirical Information in AI-systems. Roskilde, 1987.
[AI-Workshop. Roskilde (DK), 27.04.1987-28.04.1987]
- 101. Hájek, Petr - Kučera, A.**
A Contribution to recursion Theory in Fragments of Arithmetic.
Journal of Symbolic Logic. Roč. 52, č. 3 (1987), s. 888-889. ISSN 0022-4812
<http://projecteuclid.org/euclid.jsl/1183742459>
- 100. Hájek, Petr - Valdés, J. J.**
Algebraic Foundations of Uncertainty Processing in Rule-Based Expert Systems.
Praha : Matematický ústav ČSAV, 1987. 48 s. - (Preprint, 28)


1986

99. **Hájek, Petr**
A Simple Dynamic Logic.
Theoretical Computer Science. Roč. 46, č. 2-3 (1986), s. 239-259. ISSN 0304-3975
[DOI: 10.1016/0304-3975\(86\)90032-0](https://doi.org/10.1016/0304-3975(86)90032-0)
98. **Jirků, P. - Anděl, M. - Hájek, Petr**
Expertní systém v diagnostice diabetu.
Časopis lékařů českých. Roč. 125, č. 2 (1986), s. 49-52. ISSN 0008-7335
97. **Hájek, Petr**
K etickým problémům umělé inteligence.
Filozofický časopis. Roč. 34, - (1986), s. 467-471
96. **Hájek, Petr - Valdés, J. J.**
Algebraical Foundations of Uncertainty Processing in Rule Based Consulting Systems.
Sistemy obrabotki znanij i izobraženij. Bratislava : Ústav technickej kybernetiky SAV, 1986, s. 93-98
95. **Hájek, Petr**
Some Conservativeness Results for Nonstandard Dynamic Logic.
Algebra, Combinatorics and Logic in Computer Science. Vol I. Amsterdam : North-Holland, 1986 - (Demetrovics, J.; Katona, G.; Salomaa, A.), s. 443-449 ISBN 0-444-87758-4. - (Colloquia Mathematica Societatis János Bolyai. 42)
94. **Hájek, Petr**
Úskalí expertních systémů.
DATASEM '86. Praha : Dům techniky ČSVTS, 1986, s. 97-107.
[DATASEM'86. Znojmo (CS), 28.10.1986-30.10.1986]

1985

93. **Hájek, Petr**
Combining Functions for Certainty Degrees in Consulting Systems.
International Journal of Man-Machine Studies. Roč. 22, č. 1 (1985), s. 59-76. ISSN 0020-7373
[DOI: 10.1016/S0020-7373\(85\)80077-8](https://doi.org/10.1016/S0020-7373(85)80077-8)
92. **Hájek, Petr - Havránek, Tomáš**
Automatická tvorba hypotéz - mezi analýzou dat a umělou inteligencí.
Metody umělé inteligence a expertni systémy II. Praha : ČSVTS, 1985, s. 84-98
91. **Hájek, Petr - Jirků, P.**
Lesk a bída expertních systémů.
SOFSEM '85. Brno : Ústav výpočetní techniky UJEP, 1985, s. 131-163.
[SOFSEM'85 /12./. Ždiar (CS), 24.11.1985-06.12.1985]

1984

90. **Hájek, Petr - Havránek, Tomáš**
Avtomatičeskoje obrazovanije gipotez.
Moskva : Nauka, 1984. 280 s.
89. **Hájek, Petr**
Combining Functions in Consulting Systems and Dependence of Premisses (a Remark).
Artificial Intelligence and Information-Control Systems of Robots. Amsterdam : North-Holland, 1984
- (Plander, I.), s. 163-166 ISBN 0-444-87533-6.
[International Conference on Artificial Intelligence and Information-Control Systems of Robots /3./
Smolenice (CS), 11.06.1984-15.06.1984]
88. **Hájek, Petr - Hájková, M.**
Konsultační systém EQUANT - stručný popis a manuál.
Expertní systémy - principy, realizace, užití. Praha : ČSVTS - FEL ČVUT, 1984, s. 144-159
87. **Hájek, Petr**
On a New Notion of Partial Conservativity.
Computation and Proof Theory. Berlin : Springer, 1984 - (Börger, E.; Oberschelp, W.; Richter, M.;
Schinzel, B.; Thomas, W.), s. 217-232 ISBN 3-540-13901-X. - (Lecture Notes in Mathematics. 1104).
[Logic Colloquium '83. Aachen (DE), 18.07.1983-23.07.1983]
 [DOI: 10.1007/BFb0099487](https://doi.org/10.1007/BFb0099487)
86. **Hájek, Petr**
Teorie šíření nejisté informace v konsultačních systémech.
Expertní systémy - principy, realizace, užití. Praha : ČSVTS - FEL ČVUT, 1984, s. 70-80
85. **Hájek, Petr**
The New Version of the GUHA Procedure ASSOC (Generating Hypotheses on Association) -
Mathematical Foundations.
COMPSTAT '84. Wien : Physica Verlag, 1984 - (Havránek, T.; Šidák, Z.; Novák, M.), s. 360-365
ISBN 3-7051-0007-6.
[COMPSTAT'84. Prague (CS), 27.08.1984-31.08.1984]
84. **Hájek, Petr - Valdés, J. J. - de la Cruz, A.V.**
El metodo GUHA de formacion automatizada de hipotesis y sus aplicaciones en geofisica y
geoquimica.
Praha : Matematický ústav ČSAV, 1984. 27 s. - (Preprint, 9)
83. **Hájek, Petr - Hájková, M.**
New Enhancements in GUHA Software.
Praha : Matematický ústav ČSAV, 1984. 47 s. - (Preprint, 8)

1983

82. **Hájek, Petr - Havránek, Tomáš - Chytil, M. K.**
Metoda GUHA - automatická tvorba hypotéz.
Praha : Academia, 1983. 316 s.

81. **Hájek, Petr**
Arithmetical Interpretations of Dynamic Logic.
Journal of Symbolic Logic. Roč. 48, č. 3 (1983), s. 704-713. ISSN 0022-4812
<http://projecteuclid.org/euclid.jsl/1183741330>
80. **Hájek, Petr - Havránek, Tomáš**
Logic, Statistics and Computers.
Logic in the 20th Century. Milano : Scientia, 1983, s. 55-76
79. **Hájek, Petr**
Význam a možnosti expertních systémů ve vědeckém výzkumu.
Vyšší formy využívání počítačů ve vědeckovýzkumné základně. Praha : ČSVTS, 1983, s. 95-97

1982

78. **Hájek, Petr - Havránek, Tomáš**
GUHA 80: An Application of Artificial Intelligence to Data Analysis.
Computers and Artificial Intelligence. Roč. 1, - (1982), s. 107-134. ISSN 0232-0274
77. **Bendová, K. - Hájek, Petr**
A Logical Analysis of the Truth-Reaction Paradox.
Commentationes Mathematicae Universitatis Carolinae. Roč. 23, č. 4 (1982), s. 699-713
<http://dml.cz/dmlcz/106189>
76. **Hájek, Petr**
Applying Artificial Intelligence to Data Analysis.
ECAI '82. Wien : Physica Verlag, 1982, s. 149-150.
[ECAI'82. Paris (FR), 12.07.1982-14.07.1982]
75. **Hájek, Petr - Ivánek, J.**
Artificial Intelligence and Data Analysis.
COMPSTAT '82. Wien : Physica Verlag, 1982 - (Caussinus, H.; Ettinger, P.; Tomassone, R.), s. 54-60
ISBN 3-7051-0002-5.
[COMPSTAT '82. Toulouse (FR), 30.08.1982-03.09.1982]
74. **Havel, I. M. - Hájek, Petr**
Filozofické aspekty strojového myšlení. Úvahy nad knihou D.R. Hofstadtera "Gödel, Escher, Bach".
SOFSEM '82. Brno : Ústav výpočetní techniky UJEP, 1982, s. 171-211.
[SOFSEM'82 /9./ Sulov-Beskydy (CS), 21.11.1982-03.12.1982]
73. **Hájek, Petr - Louvar, B. - Pokorný, D. - Rauch, J. - Tschernoster, E.**
Metoda GUHA - její cíle a prostředky.
SOFSEM '82. Brno : Ústav výpočetní techniky UJEP, 1982, s. 59-84.
[SOFSEM'82 /9./ Sulov-Beskydy (CS), 21.11.1982-03.12.1982]

1981

72. **Hájek, Petr - Kůrka, P.**
A second-order dynamic logic with array assignments.
Fundamenta Informaticae. Roč. 4, č. 4 (1981), s. 919-934. ISSN 0169-2968

71. **Hájek, Petr**
Completion Closed Algebras and Models of Peano Arithmetic.
Commentationes Mathematicae Universitatis Carolinae. Roč. 22, č. 3 (1981), s. 585-594
<http://dml.cz/dmlcz/106100>
70. **Hájek, Petr**
Decision Problems of Some Statistically Motivated Monadic Modal Calculi.
International Journal of Man-Machine Studies. Roč. 15, č. 3 (1981), s. 351-358. ISSN 0020-7373
[DOI: 10.1016/S0020-7373\(81\)80017-X](https://doi.org/10.1016/S0020-7373(81)80017-X)
69. **Hájek, Petr**
On interpretability in theories containing arithmetic II.
Commentationes Mathematicae Universitatis Carolinae. Roč. 22, č. 4 (1981), s. 667-688
<http://dml.cz/dmlcz/106110>
68. **Hájek, Petr**
Making Dynamic Logic First-Order.
Mathematical Foundations of Computer Science. Berlin : Springer, 1981 - (Gruska, J.; Chytil, M.),
s. 287-295 ISBN 3-540-10856-4. - (Lecture Notes in Computer Science. 118).
[MFCS'81. Štrbské Pleso (CS), 31.08.1981-04.09.1981]
[DOI: 10.1007/3-540-10856-4_95](https://doi.org/10.1007/3-540-10856-4_95)

1980

67. **Hájek, Petr - Kaláček, P. - Kůrka, P.**
O dynamické logice.
Kybernetika. Roč. 16, Suppl (1980), s. 3-41. ISSN 0023-5954
<http://dml.cz/dmlcz/124858>
66. **Hájek, Petr - Pudlák, Pavel**
Two Orderings of the Class of all Countable Models of Peano Arithmetic.
Model Theory of Algebra and Arithmetic. Berlin : Springer, 1980 - (Pacholski, L.; Wierzejewski, J.;
Wilkie, A.), s. 174-185 ISBN 3-540-10269-8. - (Lecture Notes in Mathematics. 834).
[Applications of Logic to Algebra and Arithmetic. Karpacz (PL), 01.09.1979-07.09.1979]
[DOI: 10.1007/BFb0090166](https://doi.org/10.1007/BFb0090166)
65. **Hájek, Petr**
A Note on Partially Conservative Extensions of Arithmetic.
Journal of Symbolic Logic. Roč. 45, č. 2 (1980), s. 391-391. ISSN 0022-4812
<http://projecteuclid.org/euclid.jsl/1183740586>

1979

64. **Hájek, Petr**
Arithmetical Hierarchy and Complexity of Computation.
Theoretical Computer Science. Roč. 8, č. 2 (1979), s. 227-237. ISSN 0304-3975
[DOI: 10.1016/0304-3975\(79\)90046-X](https://doi.org/10.1016/0304-3975(79)90046-X)


63. **Havránek, Tomáš - Hájek, Petr**
 O projektu GUHA-80.
SOFSEM'79. Bratislava : Výzkumné výpočtové středisko, 1979, s. 344-346.
 [SOFSEM'79 /6./ . Labská bouda-Krkonoše (CS), 25.11.1979-07.12.1979]
62. **Hájek, Petr**
 On Partially Conservative Extensions of Arithmetic.
Logic Colloquium 78. Amsterdam : NorthHolland Pub., 1979 - (Boffa, M.; Dalen, D.; McAloon, K.),
 s. 225-234 ISBN 0-444-85378-2. - (Studies in Logic and The Foundations of Mathematics. 97)
[DOI: 10.1016/S0049-237X\(08\)71626-4](https://doi.org/10.1016/S0049-237X(08)71626-4)
61. **Hájek, Petr - Kalášek, P. - Kůrka, P.**
 Systémy dynamické logiky a programování.
SOFSEM'79. Bratislava : Výzkumné výpočtové středisko, 1979, s. 79-107.
 [SOFSEM'79 /6./ . Labská bouda-Krkonoše (CS), 25.11.1979-07.12.1979]

1978


60. **Hájek, Petr - Havránek, Tomáš**
 Mechanizing Hypothesis Formation - Mathematical Foundations for a General Theory.
 Berlin : Springer-Verlag, 1978. 396 s. ISBN 3-540-08738-9
59. **Hájek, Petr**
 Guest editorial.
International Journal of Man-Machine Studies. Roč. 10, č. 1 (1978), s. 1-2. ISSN 0020-7373
[DOI: 10.1016/S0020-7373\(78\)80030-3](https://doi.org/10.1016/S0020-7373(78)80030-3)
58. **Balcar, B. - Hájek, Petr**
 On Sequences of Degrees of Constructibility (Solution of Friedman's Problem 75).
Zeitschrift für Mathematische Logik und Grundlagen der Mathematik. Roč. 24, - (1978), s. 291-296
[DOI: 10.1002/malq.19780241903](https://doi.org/10.1002/malq.19780241903)
57. **Hájek, Petr - Havránek, Tomáš**
 The GUHA method - its aims and techniques (twenty-four questions and answers).
International Journal of Man-Machine Studies. Roč. 10, č. 1 (1978), s. 3-22. ISSN 0020-7373
[DOI: 10.1016/S0020-7373\(78\)80031-5](https://doi.org/10.1016/S0020-7373(78)80031-5)
56. **Hájek, Petr**
 Some Results on Degrees of Constructibility.
Higher Set Theory. Berlin : Springer, 1978 - (Müller, G.; Scott, D.), s. 55-71 ISBN 3-640-08926-8. -
 (Lecture Notes in Mathematics. 669).
 [Higher Set Theory. Oberwolfach (DE), 13.04.1977–23.04.1977]
[DOI: 10.1007/BFb0103102](https://doi.org/10.1007/BFb0103102)

1977

55. **Hájek, Petr - Havel, I. - Havránek, Tomáš - Chytil, M. - Renc, Z. - Rauch, J.**
 Metoda GUHA (General Unary Hypothesis Automaton). Skriptum vydané ke stejnojmennému kursu.
 České Budějovice : Dům techniky, 1977. 314 s.

54. **Hájek, Petr**
 Experimental Logics and Π^0_3 Theories.
Journal of Symbolic Logic. Roč. 42, č. 4 (1977), s. 515-522. ISSN 0022-4812
<http://projecteuclid.org/euclid.jsl/1183740060>
 [DOI: 10.2307/2271872](https://doi.org/10.2307/2271872)
53. **Hájek, Petr**
 Another Sequence of Degrees of Constructibility.
Notices of the American Mathematical Society. Roč. 24, č. 3 (1977), A299-A300
52. **Hájek, Petr - Havránek, Tomáš**
 On Generation of Inductive Hypotheses.
International Journal of Man-Machine Studies. Roč. 9, č. 4 (1977), s. 415-438. ISSN 0020-7373
 [DOI: 10.1016/S0020-7373\(77\)80011-4](https://doi.org/10.1016/S0020-7373(77)80011-4)
51. **Hájek, Petr**
 Arithmetical Complexity of Some Problems in Computer Science.
Mathematical Foundations of Computer Science. Berlin : Springer, 1977 - (Gruska, J.), s. 282-287
 ISBN 3-540-08353-7. - (Lecture Notes in Computer Science. 53).
 [MFCS'77 /6./, Tatranská Lomnica (CS1), 05.09.1977-09.09.1977]
 [DOI: 10.1007/3-540-08353-7_146](https://doi.org/10.1007/3-540-08353-7_146)
50. **Hájek, Petr**
 Generalized Quantifiers and Finite Sets.
Set Theory and Hierarchy Theory. Wrocław : Wydawnictwo PW, 1977, s. 91-104. - (Prace Naukowe Instytutu Matematyki Politechniki Wrocławskiej. 14).
 [Colloquium in Set Theory and Hierarchy Theory /1./, Karpacz (PL), 09.09.1974-18.09.1974]
- 1976**
49. **Hájek, Petr**
 K nedožitým šedesátinám Ladislava Riegra.
Časopis pro pěstování matematiky. Roč. 101, č. 4 (1976), s. 417-418
<http://dml.cz/dmlcz/117928>
48. **Hájek, Petr**
 Observationsfunktorenkalküle und die Logik der Automatisierten Forschung.
Elektronische Informationsverarbeitung und Kybernetik. Roč. 12, č. 4-5 (1976), s. 181-186
47. **Hájek, Petr**
 Some Remarks on Observational Model-Theoretic Languages.
Set Theory and Hierarchy Theory. A Memorial Tribute to Andrzej Mostowski. Berlin : Springer, 1976
 - (Marek, W.; Srebrny, M.; Zarach, A.), s. 335-345 ISBN 3-540-07856-8. - (Lecture Notes in Mathematics. 537).
 [Conference on Set Theory and Hierarchy Theory /2./, Bierutowice (PL), 17.09.1975-28.09.1975]
 [DOI: 10.1007/BFb0096912](https://doi.org/10.1007/BFb0096912)

1975

46. **Hájek, Petr**
Metoda GUHA a automatizace výzkumu.
Acta Polytechnica. IV řada, Technicko-teoretická. - (1975), s. 105-119
45. **Hájek, Petr**
On Logics of Discovery.
Mathematical Foundations of Computer Science 1975. Berlin : Springer, 1975 - (Bečvář, J.), s. 30-45
ISBN 3-540-07389-2. - (Lecture Notes in Computer Science. 32).
[Symposium /4./ Mariánské Lázně (CS), 01.09.1975-05.09.1975]
 [DOI: 10.1007/3-540-07389-2_180](https://doi.org/10.1007/3-540-07389-2_180)

1974



44. **Hájek, Petr**
Automatic Listing of Important Observational Statements III.
Kybernetika. Roč. 10, č. 2 (1974), s. 95-124. ISSN 0023-5954
<http://dml.cz/dmlcz/124863>
43. **Hájek, Petr**
Degrees of Dependence in the Theory of Semisets.
Fundamenta Mathematicae. Roč. 82, č. 1 (1974), s. 11-24. ISSN 0016-2736
 <http://matwbn.icm.edu.pl/ksiazki/fm/fm82/fm8212.pdf>
42. **Hájek, Petr**
Seminář aplikací matematické logiky.
Sborník referátů z pedagogické konference. Praha : Universita Karlova, 1974, s. 137-142.
[Pedagogická konference. Praha (CS1), 20.02.1973-21.02.1973]

1973

41. **Hájek, Petr**
Automatic Listing of Important Observational Statements I.
Kybernetika. Roč. 9, č. 3 (1973), s. 187-205. ISSN 0023-5954
<http://dml.cz/dmlcz/125203>
40. **Hájek, Petr**
Automatic Listing of Important Observational Statements II.
Kybernetika. Roč. 9, č. 4 (1973), s. 251-271. ISSN 0023-5954
<http://dml.cz/dmlcz/125389>
39. **Hájek, Petr**
Bibliography of the Prague Seminar on Foundations of Set Theory - Part II.
Czechoslovak Mathematical Journal. Roč. 23, č. 3 (1973), s. 521-523. ISSN 0011-4642
<http://dml.cz/dmlcz/101194>

38. **Hájek, Petr - Harmancová, Dagmar**
On Generalized Credence Functions.
Kybernetika. Roč. 9, č. 5 (1973), s. 343-356. ISSN 0023-5954
<http://dml.cz/dmlcz/124737>
37. **Vopěnka, P. - Hájek, Petr**
Existence of a Generalized Semantic Model of Gödel-Bernays Set Theory.
Bulletin de l'Académie Polonaise des Sciences. Roč. 21, č. 12 (1973), s. 1079-1086
36. **Hájek, Petr**
Why Semisets?
Commentationes Mathematicae Universitatis Carolinae. Roč. 14, č. 3 (1973), s. 397-420
<http://dml.cz/dmlcz/105499>
35. **Hájek, Petr**
Some Logical Problems of Automated Research.
Proceedings of the Symposium on Mathematical Foundations of Computer Science. Bratislava :
Mathematical Institute of the Slovak Academy of Sciences, 1973, s. 85-93.
[MFCS'73 /2./ Štrbské Pleso (CS), 03.09.1973-08.09.1973]

1972

34. **Vopěnka, P. - Hájek, Petr**
The Theory of Semisets.
Prague : Academia, 1972. 332 s.
33. **Hájková, M. - Hájek, Petr**
On Interpretability in Theories Containing Arithmetic.
Fundamenta Mathematicae. Roč. 76, č. 2 (1972), s. 131-137. ISSN 0016-2736
 <http://matwbn.icm.edu.pl/ksiazki/fm/fm76/fm76113.pdf>
32. **Hájek, Petr**
Contributions to the Theory of Semisets I. Relations of the theory of semisets to the Zermelo-Fraenkel set theory.
Zeitschrift für Mathematische Logik und Grundlagen der Mathematik. Roč. 18, č. 16-18 (1972), s. 241-248
 [DOI: 10.1002/malq.19720181602](https://doi.org/10.1002/malq.19720181602)
31. **Hájek, Petr**
On Interpretability in Sets Theories II.
Commentationes Mathematicae Universitatis Carolinae. Roč. 13, č. 3 (1972), s. 445-455
<http://dml.cz/dmlcz/105433>

1971

30. **Hájek, Petr - Bendová, K. - Renc, Z.**
The GUHA Method and the Three-Valued Logic.
Kybernetika. Roč. 7, č. 6 (1971), s. 421-435. ISSN 0023-5954
<http://dml.cz/dmlcz/125685>

29. **Hájek, Petr**
On Interpretability in Set Theories.
Commentationes Mathematicae Universitatis Carolinae. Roč. 12, č. 1 (1971), s. 73-79
<http://dml.cz/dmlcz/105330>
28. **Hájek, Petr**
On Semisets.
Logic Colloquium 69. Amsterdam : North-Holland Publishing Company, 1971 - (Gandy, R.; Yates, C.),
s. 67-76 - (Studies In Logic and the Foundations of Mathematics. 61).
[Logic Colloquium '69. Manchester (GB), 03.08.1969-23.08.1969]
27. **Hájek, Petr**
Sets, Semisets, Models - Part 1.
Axiomatic Set Theory. Providence : AMS, 1971 - (Scott, D.), s. 67-81 ISBN 0-8218-0245-3. -
(Proceedings of Symposia in Pure Mathematics. 13).
[Symposium in Pure Mathematics of the American Mathematical Society. Los Angeles (US),
10.07.1967-05.08.1967]

1970

26. **Hájek, Petr**
Logische Kategorien.
Archiv für Mathematische Logik und Grundlagenforschung. Roč. 13, č. 3-4 (1970), s. 168-193.
ISSN 0003-9268

1969

25. **Hájek, Petr**
O metodě GUHA automatického vyhledávání hypotes.
Československá fyziologie. Roč. 18, č. 2 (1969), s. 137-142
24. **Balcar, B. - Hájek, Petr**
Popis Hypothetického počítačícího stroje AIC pro automatické zpracování křivek.
Československá fyziologie. Roč. 18, č. 2 (1969), s. 151-154


1968

23. **Hájek, Petr**
Problém obecného pojetí metody GUHA.
Kybernetika. Roč. 4, č. 6 (1968), s. 505-515. ISSN 0023-5954
<http://dml.cz/dmlcz/125459>
22. **Vopěnka, P. - Balcar, B. - Hájek, Petr**
The Notion of Effective Sets and a New Proof of the Consistency of the Axiom of Choice.
Journal of Symbolic Logic. Roč. 33, č. 3 (1968), s. 495-496. ISSN 0022-4812
<http://projecteuclid.org/euclid.jsl/1183736469>


1967

21. **Hájek, Petr**
Základy matematické logiky. Učební text pro výzkumné pracovníky. Část I. a II.
Praha : Dům techniky ČSVTS, 1967. (Část I. 58 s. a část II. 72 s.)
20. **Hájek, Petr - Havel, I. - Chytil, M.**
GUHA - metoda systematického vyhledávání hypotéz II.
Kybernetika. Roč. 3, č. 5 (1967), s. 430-437. ISSN 0023-5954
<http://dml.cz/dmlcz/124365>
19. **Vopěnka, P. - Hájek, Petr**
Concerning the ∇ -Models of Set Theory.
Bulletin de l'Académie Polonaise des Sciences. Roč. 15, č. 3 (1967), s. 113-117



1966

18. **Hájek, Petr - Havel, I. - Chytil, M.**
GUHA - metoda systematického vyhledávání hypotéz.
Kybernetika. Roč. 2, č. 1 (1966), s. 31-47. ISSN 0023-5954
<http://dml.cz/dmlcz/125332>
17. **Hájek, Petr - Havel, I. - Chytil, M.**
The GUHA Method of Automatic Hypotheses Determination.
Computing. Roč. 1, č. 4 (1966), s. 293-308. ISSN 0010-485X
 [DOI: 10.1007/BF02345483](https://doi.org/10.1007/BF02345483)
16. **Hájek, Petr**
Generalized Interpretability in Terms of Models. (Note to a paper of R. Montague).
Časopis pro pěstování matematiky. Roč. 91, č. 3 (1966), s. 352-357
<http://dml.cz/dmlcz/117572>
15. **Bukovský, L. - Hájek, Petr**
On Standardness and Regularity of Normal Syntactic Models of Set Theory.
Bulletin de l'Académie Polonaise des Sciences. Roč. 14, č. 3 (1966), s. 101-105
14. **Hájek, Petr - Vopěnka, P.**
Some Permutation Submodels of the Model ∇ .
Bulletin de l'Académie Polonaise des Sciences. Roč. 14, č. 1 (1966), s. 1-7
13. **Hájek, Petr**
Syntaktické metody matematické logiky.
Pokroky matematiky, fyziky a astronomie. Roč. 11, č. 1 (1966), s. 22-31
<http://dml.cz/dmlcz/138085>
12. **Hájek, Petr**
The Consistency of Church's Alternatives.
Bulletin de l'Académie Polonaise des Sciences. Roč. 14, č. 8 (1966), s. 423-430

1965


11. **Hájek, Petr**
Die Szászschene Gruppoide.
Matematicko-fyzikální časopis. Roč. 15, - (1965), s. 15-42
<http://dml.cz/dmlcz/126394>
10. **Hájek, Petr**
Eine Bemerkung über Standardenichtreguläre Modelle der Mengenlehre.
Commentationes Mathematicae Universitatis Carolinae. Roč. 6, č. 1 (1965), s. 1-6
<http://dml.cz/dmlcz/104987>
9. **Hájek, Petr**
K pojmu primitivní třídy algeber (Birkhoffova věta).
Časopis pro pěstování matematiky. Roč. 90, č. 4 (1965), s. 477-486
<http://dml.cz/dmlcz/108653>
8. **Hájek, Petr**
Modelle der Mengenlehre, in denen Mengen gegebener Gestalt Existieren.
Zeitschrift für Mathematische Logik und Grundlagen der Mathematik. Roč. 11, č. 2 (1965), s. 103-115
 [DOI: 10.1002/malq.19650110205](https://doi.org/10.1002/malq.19650110205)
7. **Vopěnka, P. - Hájek, Petr**
Permutation Submodels of the Model ∇ .
Bulletin de l'Académie Polonaise des Sciences. Roč. 13, č. 9 (1965), s. 611-614
6. **Hájek, Petr**
Syntactic Models of Axiomatic Theories.
Bulletin de l'Académie Polonaise des Sciences. Roč. 13, č. 4 (1965), s. 273-278
5. **Bukovský, L. - Hájek, Petr**
Zpráva o studijním soustředění.
Pokroky matematiky, fyziky & astronomie. Roč. 10, - (1965), s. 105-106. ISSN 0032-2423
<http://dml.cz/dmlcz/139001>

1964

4. **Hájek, Petr**
Die durch die Schwach Inneren Relationen Gegebenen Modelle der Mengenlehre.
Zeitschrift für Mathematische Logik und Grundlagen der Mathematik. Roč. 10, č. 9-12 (1964), s. 151-157
 [DOI: 10.1002/malq.19640100905](https://doi.org/10.1002/malq.19640100905)
3. **Hájek, Petr - Sochor, A.**
Ein dem Fundierungssaxiom äquivalentes Axiom.
Zeitschrift für Mathematische Logik und Grundlagen der Mathematik. Roč. 10, č. 13-17 (1964), s. 261-263
 [DOI: 10.1002/malq.19640101307](https://doi.org/10.1002/malq.19640101307)

2. **Hájek, Petr**
Modely teorie množin s individuy.
Praha : MÚ ČSAV, 1964. 47 s. - (Disertace)

1963

1. **Vopěnka, P. - Hájek, Petr**
Über die Gültigkeit des Fundierungsaxioms in speziellen Systemen der Mengentheorie.
Zeitschrift für Mathematische Logik und Grundlagen der Mathematik. Roč. 9, č. 12-15 (1963),
s. 235-241
 [DOI: 10.1002/malq.19630091208](https://doi.org/10.1002/malq.19630091208)