

Literatura

- [1] A. V. AHO, J. E. HOPCROFT A J. ULLMAN. *The Design and Analysis of Computer Algorithms*. Addison-Wesley, 1974.
- [2] B. BALCAR A P. ŠTĚPÁNEK. *Teorie množin*. Academia, Praha, 2001.
- [3] J. L. BALCÁZAR, J. DÍAZ A J. GABARRÓ. *Structural Complexity I*. Springer, 1988.
- [4] J. BARWISE, Ed. *Handbook of Mathematical Logic*. North-Holland, 1977.
- [5] J. BARWISE. An introduction to first-order logic. V *Handbook of Mathematical Logic* [4], kap. A.1, str. 5–46.
- [6] A. BERARDUCCI A R. VERBRUGGE. On the provability logic of bounded arithmetic. *Annals Pure Appl. Logic* 61 (1993), 75–93.
- [7] G. BOOLOS A G. SAMBIN. Provability: the emergence of a mathematical modality. *Studia Logica* L, 1 (1991), 1–23.
- [8] G. BOOLOS. *The Logic of Provability*. Cambridge University Press, 1993.
- [9] P. BURDOVÁ. Některé sémantické metody v intuicionistické logice. Diplomová práce, Filozofická fakulta Univerzity Karlovy, katedra logiky, 1998.
- [10] S. R. BUSS. *Bounded Arithmetic*. Bibliopolis, Napoli, 1986.
- [11] S. R. BUSS. Weak Formal Systems and Connections to Computational Complexity. Lecture Notes for a Topics Course, University of California, Berkeley, leden–květen 1988.
- [12] P. COHEN. Decision procedures for real and p -adic fields. *Comm. Pure Appl. Math.* xxii (1969), 131–151.
- [13] S. COOK. The complexity of theorem proving procedures. V *Proc. 3rd ACM Symp. of Theory of Computing* (1971), str. 151–158.
- [14] D. VAN DALEN. Intuitionistic logic. V Gabbay and Guenther [23], kap. III.4, str. 225–340.

- [15] O. DEMUTH, R. KRYL A A. KUČERA. Teorie algoritmů. Skriptum, Matematicko-fyzikální fakulta UK, 1989.
- [16] L. VAN DEN DRIES. Alfred Tarski's elimination theory for real closed fields. *J. Symbolic Logic* 53, 1 (březen 1988).
- [17] L. VAN DEN DRIES. O-minimal structures. V *Logic Colloquium '93* (Keele, 1996), W. Hodges et al., ed., Clarendon Press, Oxford.
- [18] M. DUMMETT. A propositional calculus with denumerable matrix. *J. Symbolic Logic* 25 (1959), 97–106.
- [19] H.-D. EBBINGHAUS A J. FLUM. *Finite Model Theory*. Springer, 1995.
- [20] S. FEFERMAN. Arithmetization of metamathematics in a general setting. *Fundamenta Mathematicae* 49 (1960), 35–92.
- [21] J. FERRANTE A C. W. RACKOW. *The Computational Complexity of Logical Theories*. Springer, 1979.
- [22] M. C. FITTING. *Intuitionistic Logic, Model Theory and Forcing*. North-Holland, 1969.
- [23] D. GABBAY A F. GUENTHNER, Ed. *Handbook of Philosophical Logic*. Č. 164–167 řady Synthese Library. Kluwer, Dordrecht, 1983, 1984, 1986, 1989 (čtyři díly).
- [24] M. GAREY A D. JOHNSON. *Computers and Intractability: A Guide to the Theory of NP-completeness*. Freeman, San Francisco, 1978.
- [25] K. GÖDEL. Über formal unentscheidbare Sätze der Principia Mathematica und verwandter Systeme I. *Monatshefte für Mathematik und Physik* 37 (1931), 349–360.
- [26] K. GÖDEL. Zum intuitionistischen Aussagenkalkül. *Anzeiger Akademie der Wissenschaften Wien, Math.-naturwissensch. Klasse* 69 (1932), 65–66. Viz též Ergebnisse eines mathematischen Kolloquiums 4 (1933), 40.
- [27] S. GOTTWALD. *Mehrwertige Logik*. Akademie-Verlag, Berlin, 1988.
- [28] S. GOTTWALD. *Fuzzy Sets and Fuzzy Logic*. Vieweg, Wiesbaden, 1993.
- [29] D. GUASPARI A R. M. SOLOVAY. Rosser sentences. *Annals of Math. Logic* 16 (1979), 81–99.
- [30] P. HÁJEK A M. HÁJKOVÁ. On interpretability in theories containing arithmetic. *Fundamenta Mathematicae* 76 (1972), 131–137.
- [31] P. HÁJEK A P. PUDLÁK. *Metamathematics of First Order Arithmetic*. Springer, 1993.

- [32] P. HÁJEK A V. ŠVEJDAR. *Matematická logika*. Praha, listopad 1994. Předběžný učební text, v elektronické podobě.
- [33] P. HÁJEK. Logische Kategorien. *Archiv für Mathematische Logik und Grundlagenforschung* 13 (1970), 168–193.
- [34] P. HÁJEK. *Metamathematics of Fuzzy Logic*. Kluwer, 1998.
- [35] G. H. HARDY A E. M. WRIGHT. *An Introduction to the Theory of Numbers*. Oxford University Press, Oxford, 1979.
- [36] A. HEYTING. Die formalen Regeln der intuitionistischen Logik. V *Sitzungsberichte der Preussischen Akademie der Wissenschaften zu Berlin, Math. Kl.* Preussische Akademie der Wissenschaften, Berlin, 1930, str. 42–56.
- [37] D. HOFSTADTER. *Gödel, Escher, Bach: An Eternal Golden Braid*. Basic Books, Inc., New York, duben 1979. Znovu vydáno nakladatelstvím Random House, New York, 1989.
- [38] G. HUGHES A M. CRESSWELL. *A Companion to Modal Logic*. Methuen & Co. Ltd, 1984.
- [39] G. HUGHES A M. CRESSWELL. *New Introduction to Modal Logic*. Routledge, London, 1996.
- [40] C. C. CHANG A H. J. KEISLER. *Model Theory*. North-Holland, 1973.
- [41] A. CHURCH. A note on the Entscheidungsproblem. *J. Symbolic Logic* 1 (1930), 40–41.
- [42] A. CHURCH. An unsolvable problem of elementary number theory. *Amer. J. Math.* 58 (1930), 345–363.
- [43] E. JEŘÁBEK. Provability Logic of the Alternative Set Theory. Diplomová práce, Filozofická fakulta Univerzity Karlovy, katedra logiky, 2001.
- [44] N. D. JONES A W. T. LAASER. Complete problems for deterministic polynomial time. *Theoretical Comput. Sci.* 3 (1976), 105–118.
- [45] D. H. J. DE JONGH A F. VELTMAN. *Intensional Logic*. Skriptum, Philosophy Department, University of Amsterdam, Amsterdam, 1988.
- [46] R. M. KARP. Reducibility among combinatorial problems. V *Complexity of Computer Computation*, R. Miller a J. Thatcher, ed. Plenum Press, New York, 1972, str. 85–104.
- [47] R. KAYE. *Models of Peano Arithmetic*. Oxford University Press, 1991.
- [48] L. A. S. KIRBY A J. B. PARIS. Accessible independence results for Peano arithmetic. *Bull. London Math. Soc.* 14 (1982), 285–293.

- [49] S. C. KLEENE. *Introduction to Metamathematics*. D. van Nostrand, 1952.
- [50] J. KRAJÍČEK. *Bounded Arithmetic, Propositional Logic, and Complexity Theory*. Č. 60 řady Encyclopedia of Mathematics and Its Applications. Cambridge University Press, 1995.
- [51] G. KREISEL A J. L. KRIVINE. *Elements of Mathematical logic (Model Theory)*. North-Holland, Amsterdam, 1971.
- [52] L. KUČERA. *Kombinatorické algoritmy*. SNTL, Praha, 1983.
- [53] I. KYLAR. Eliminace řezů v klasické predikátové logice. Diplomová práce, Filozofická fakulta Univerzity Karlovy, katedra logiky, 2000.
- [54] R. LADNER. The computational complexity of provability in systems of modal logic. *SIAM J. Comput.* 6, 3 (1977), 467–480.
- [55] M. H. LÖB. Solution of a problem of Leon Henkin. *J. Symbolic Logic* 20 (1955), 115–118.
- [56] J. LUKASIEWICZ. *Selected Works*. Studies in Logic and the Foundations of Mathematics. North-Holland a PWN Warszawa, 1970.
- [57] V. MAŘÍK, O. ŠTĚPÁNKOVÁ, J. LAŽANSKÝ ET AL. Umělá inteligence 4. Vyjde v nakl. Academia.
- [58] E. MENDELSON. *Introduction to Mathematical Logic*. Van Nostrand, 1964.
- [59] J. D. MONK. *Mathematical Logic*. Springer, 1976.
- [60] V. NOVÁK, I. PERFILIEVA A J. MOČKOŘ. *Mathematical Principles of Fuzzy Logic*. Kluwer, 1999.
- [61] P. ODIFREDDI. *Classical Recursion Theory*. North-Holland, Amsterdam, 1989.
- [62] C. H. PAPADIMITRIOU. *Computational Complexity*. Addison-Wesley, 1994.
- [63] J. B. PARIS A L. HARRINGTON. A mathematical incompleteness in Peano arithmetic. V Barwise [4], kap. D.8, str. 1133–1142.
- [64] J. B. PARIS A L. A. S. KIRBY. Σ_n -collection schemas in arithmetic. V *Logic Colloquium '77*, A. Macintyre, L. Pacholski a J. Paris, ed., Studies in Logic and the Foundations of Mathematics. North-Holland, Amsterdam, 1978, str. 199–209.
- [65] E. L. POST. Introduction to a general theory of elementary propositions. *Amer. J. Math.* 43 (1921), 163–185.

- [66] M. PRESBURGER. Über die Vollständigkeit eines gewissen Systems der Arithmetik ganzer Zahlen, in welchem die Addition als einzige Operation hervortritt. V *Comptes Rendus du I^{er} Congrès des Mathématiciens des Pays Slaves* (Warszawa, 1929), str. 92–101.
- [67] P. PUDLÁK. On the lengths of proofs of finitistic consistency statements in first-order theories. V *Logic Colloquium '84* (1984), J. Barwise et al., ed., North-Holland, str. 165–196.
- [68] P. PUDLÁK. Cuts, consistency statements, and interpretations. *J. Symbolic Logic* 50 (1985), 423–441.
- [69] P. PUDLÁK. The lengths of proofs. V *Handbook of Proof Theory*, S. R. Buss, ed., č. 137 řady *Studies in Logic and the Foundations of Mathematics*. Elsevier, 1998, kap. VIII, str. 547–637.
- [70] M. O. RABIN. Decidable theories. V Barwise [4], kap. C.3, str. 595–630.
- [71] H. ROGERS, JR. *Theory of Recursive Functions and Effective Computability*. McGraw-Hill, New York, 1967.
- [72] J. B. ROSSER. Extensions of some theorems of Gödel and Church. *J. Symbolic Logic* 1 (1936), 87–91.
- [73] C. RYLL-NARDZEWSKI. The role of the axiom of induction in elementary arithmetic. *Fundamenta Mathematicae* 39 (1952), 239–263.
- [74] G. SAMBIN A S. VALENTINI. The modal logic of provability: The sequential approach. *Journal of Philosophical Logic* 11 (1982), 311–342.
- [75] J. R. SHOENFIELD. *Mathematical Logic*. Addison-Wesley, 1967.
- [76] H. SCHWICHTENBERG. Proof theory. V Barwise [4], kap. D.2, str. 867–896.
- [77] M. SIPSER. *Introduction to the Theory of Computation*. PWS Publishing Company (a division of International Thomson Publishing Inc.), 1997.
- [78] C. SMORYŃSKI. The incompleteness theorems. V Barwise [4], kap. D.1, str. 819–843.
- [79] C. SMORYŃSKI. Modal logic and self-reference. V Gabbay and Guenther [23], kap. II.9, str. 441–496.
- [80] C. SMORYŃSKI. *Self-Reference and Modal Logic*. Springer, New-York, 1985.
- [81] C. SMORYŃSKI. Hilbert's programme. *CWI Quarterly* 1, 4 (1988).
- [82] C. SMORYŃSKI. *Logical Number Theory I*. Springer, 1991.

- [83] C. SMORYŃSKI. Metamathematics of Arithmetic, Chapter III: Representability and Semi-Representability. Nепublikovaný rukopis, circa 1978.
- [84] C. SMORYŃSKI. Nonstandard Models of Arithmetic. Poznámky k přednášce (rukopis), 1978.
- [85] A. SOCHOR. *Klasická matematická logika*. Karolinum, Praha, 2001.
- [86] R. M. SOLOVAY. Provability interpretations of modal logic. *Israel J. Math.* 25 (1976), 287–304.
- [87] R. STATMAN. Intuitionistic propositional logic is polynomial-space complete. *Theoretical Comput. Sci.* 9 (1979), 67–72.
- [88] P. ŠTĚPÁNEK. Matematická logika. Skriptum, Matematicko-fyzikální fakulta UK, Praha, 1982.
- [89] V. ŠVEJDAR A K. BENDO VÁ. On inter-expressibility of logical connectives in Gödel fuzzy logic. *Soft Computing* 4, 2 (2000), 103–105.
- [90] V. ŠVEJDAR. On provability logic. *Nordic Journal of Philosophical Logic* 4, 2 (2000), 95–116.
- [91] G. TAKEUTI. *Proof Theory*. North-Holland, Amsterdam, 1975.
- [92] A. TARSKI, A. MOSTOWSKI A R. M. ROBINSON. *Undecidable Theories*. North-Holland, Amsterdam, 1953.
- [93] S. TENNENBAUM. Non-archimedean models for arithmetic. *Notices of the AMS* 270 (1959).
- [94] A. S. TROELSTRA A H. SCHWICHTENBERG. *Basic Proof Theory*. Cambridge University Press, 1996.
- [95] A. S. TROELSTRA. Aspects of constructive mathematics. V Barwise [4], kap. D.5, str. 973–1052.
- [96] A. VISSER. An overview of Interpretability Logic. Logic Group Preprint Series 174, Department of Philosophy, Utrecht University, Utrecht, 1997.
- [97] B. L. VAN DER WAERDEN. *Algebra I, II*. Springer, 1971, 1967.
- [98] A. J. WILKIE A J. B. PARIS. On the scheme of induction for bounded arithmetical formulas. *Annals Pure Appl. Logic* 35 (1987), 261–302.
- [99] A. J. WILKIE. Model completeness results for expansions of the real field by restricted Pfaffian functions and the exponential function. *J. of the AMS* 9 (1996), 1051–1094.
- [100] L. A. ZADEH. Fuzzy sets. *Information and Control* 8, 3 (1965), 338–353.