

Seznam použité literatury

- Ashby W. R.: The set theory of mechanism and homeostasis. In: automatic theory and learning systems. Stewart D.J. ed. , Academic Press, London, 1967.
- Astrom K. J.: Intelligent control. Proc. IFAC European Control. Conf. , Grenoble, 1991, 2328-2339.
- Bezdek J.: A convergence teorem for the fuzzy ISODATA clustering algorithm. IEEE trans. PAMI 2, 1, 1980, 1 - 8.
- Bharathi Devi B., Sarma V.: Estimation of fuzzy memmbership from histogram. Inf. Sci. 1985, 35, 1, 43-59.
- Black M.: Vagueness: An exercise in logical analysis. Philosophy of Science, 1937, 4, 427-455. Int. J. Gen. Sys., 1990, 17, 2-3, 107-128.
- Bremermann H. J: Quantum noise and information. 5th Berkeley Symposium on Mathermatical Statistics and Probability. Univ. of California Press, Berkeley, 1965.
- Brillouin L.: Science and information theory. Academic Press, New York, 1956.
- Cannon R. L., Dave J.V, Bezdek J.: Efficient implementation of fuzzy c - means algorithm. IEEE trans. PAMI 8, 2, 1986, 248 - 255.
- Cellier F. E.: General system problem solving paradigm for qualitative modeling. In:Qualitative simulation, modeling and analysis. Fishwick P. A., Luker P. A. eds. , Springer, New York, 1991.
- Connant R. C. : The information transfer required in regulatory processes. IEEE trans. SSC, 1969, 4, 334-338.
- Connant R. C., Ashby W.R.: Every good regulator of a system must be a model of that system. Int. J. Syst. Sci., 1970, 1, 2, 89-97.
- Connant R. C.: Structural modelling using a simple information measure. Int. J. Syst. Sci. 1980, 14, 2, 721-730.
- Connant R. C.: Extended dependency analysis of large systems. Part I-II. Int. J. Gen. Syst. 1988, 14, 2, 141-163.
- De Lucca A., Termini S.: A definition of a nonprobabilistic entropy in the setting of fuzzy set theory. Int. Cont. 1972, 20, 301-312.
- Driankov D., Hellendoorn H., Reinfrank M.: An introduction to fuzzy control. Springer, Berlin, 1993.
- Dubois D. , Prade H.: Fuzzy sets and systems. Academic Press, New York, 1980.

- Dubois D., Prade H.: Theory of possibility. Plenum Press, New York, 1987.
- Dunn J. C.: Well separated clusters and optimal fuzzy partition. J.Cybern. 4, 1974, 95 - 104.
- Erens F.: Process control of a cement kiln with fuzzy logic. Proc. EUFIT'93, Aachen, 1993, 1667-1677.
- Filev D.: System approach to the dynamic fuzzy models. Int. J. Gen. Syst. 1992, 21, 3, 311-337.
- Foulloy L., Galichet S.: Fuzzy sensors for fuzzy control. Int. J. of Uncertainty, Fuzzy and Knowledge Based Systems. 1994, 2, 1, 56-66.
- Gath I., Geva A.: Unsupervised fuzzy clustering. IEEE trans. PAMI, 11, 7, 1989, 773 - 781.
- Holmblad L. P., Ostergaard J. J.: Control of cemet kiln by fuzzy logic. In: Fuzzy information and decision processes, Gupta M.M. and Sanchez E. eds., North Holland, Amsterdam, 1982.
- Huang L. J., Tomizuka M.: A self-paced fuzzy tracking controller for two dimensional motion control. IEEE trans. SMC, 1990, 20, 5, 1115-1124.
- Kickert W. J. M., Mamdani E.: Analysis of a fuzzy logic controller. Fuzzy Sets and Systems, 1978, 1, 29-44.
- Klir G. J.: Architecture of system problem solving. Plenum Press, New York, 1985.
- Klir G. J., Folger T.: Fuzzy sets, uncertainty and information. Prentice Hall, Englewood Cliffs, New Jersey, 1988.
- Klir G. J.: Ekonomie z pohledu neekonoma. Vesmír, 1994, 6, 337-339.
- Klir. G. J., Yuan B.: Fuzzy sets and applications. Prentice Hall, Upper Saddle river, NJ, 1995.
- Kosko B. Fuzzy systems as universal approximators. Proc. IEEE Int. Conf. on Fuzzy Systems, San Diego, 1992, 1153-1162.
- Kosko B.: Fuzzy thinking. Hyperion, New York, 1993.
- Kotek Z. , Kubík S., Razím M.: Nelineární dynamické systémy. SNTL, Praha, 1973.
- Kotek Z., Vysoký P., Zdráhal Z.: Kybernetika. SNTL, Praha, 1990.
- Kuhn T.: The structure of scientific revolutions. University of Chicago Press, Chicago, 1962.
- Lee C. C.: Fuzzy logic in control systems: Fuzzy logic controller, part I,II. IEEE trans. SMC, 20, 2, 1990, 404-418, 419-435.
- Liaw C. M., Wang J.B.: Design and implementation of a fuzzy controller for a high performance induction motor drive. IEEE trans. SMC, 1991, 21, 4, 921-929.

- Mac Vicar -Whelan P. J. : Fuzzy sets for man-machine interactions. *Int. J. Man. Mach. Stds.* 1977, 8, 687-697.
- Mamdani E. H., Assilian S.: An experiment in linguistic synthesis with a fuzzy logic controller. *Int. J. Man. Mach. Studies*, 1993, 7, 1-13.
- McNeil D., Freiberger P.: *Fuzzy logic*. Simon & Schuster, New York, 1993.
- Miller G. A.: The magical number seven, plus or minus two: Some limits of our capacity of processing information. *Psychol. Rew.*, 1956, 63, 2, 81-97.
- Murayama Y., Terano T., Masui S., Akiyama N.: Optimizing control of a diessel engine. In: *Industrial applications of fuzzy control*, Sugeno M. ed., Elsevier, Amsterdam, 1985.
- Neubauer Z.: *Přímlyuce postmoderny*. Jůza & Jůzová, Praha, 1994.
- Novák V. : *Fuzzy množiny a jejich aplikace*. SNTL, Praha, 1986.
- Ostergaard J. J.: Fuzzy logic control of a heat exchanger process. In: *Fuzzy automata and decision processes*, Saridis G. and Gaines B. eds., North-Holland, New York, 1977.
- Pedrycz W.: Design of fuzzy control algorithms with the aid of fuzzy models. In: *Industrial applications of fuzzy control*, Sugeno M. ed. Elsevier, Amserdam, 1985.
- Pokorný M. : *Řídící systémy se znalostní bází*. VŠB, Ostrava, 1995.
- Rasmussen J.: Skills, rules and knowledge. Signals, signs and symbols, and other distinctions in human performance models. *IEEE trans. SMC*, 1983, 13, 3, 257-266.
- Ray K. S., Majumder D. D.: Application of the circle criteria for stability analysis of linear SISO and MIMO systems associated with fuzzy logic controller. *IEEE trans. SMC*, 1984, 14, 2, 345-349.
- Sabin M. J.: Convergence and consistency of fuzzy c -means/ISODATA algorithms. *IEEE trans. PAMI*, 9, 5, 1987, 661 - 668.
- Sanchez E.: Solution of fuzzy equations with extended operations. *Inf. Cont.*, 1984, 12, 3, 237-248.
- Saridis G. N., Valavanis K.P.: Analytical design of intelligent machines. *Automatica*, 1988, 25, 3, 461-467.
- Saridis G. N.: Entropy formulation of optimal and adaptive control. *IEEE trans. AC*. 1988, 33, 3, 713-721.
- Saridis G. N.: Analytic formulation of the principle of increasing precision with decreasing intelligence for intelligent machines. *Automatica*, 1989, 25, 3, 461-467.
- Simon H. A.: How big is a chunk? *Science*, 1974, vol. 183., No. 2., 482-488.

- Sugeno M.: An introductory survey of fuzzy control. *Inf. Sci.* , 1985, 36, 59-83.
- Sugeno M., Yasukawa T.: A fuzzy logic approach to qualitative modelling. *IEEE trans. FS*, 1993, 1, 1, 7-31.
- Takagi T., Sugeno M.: Fuzzy identification of systems and its application to modelling and control. *IEEE trans. SMC*, 1985, 15, 1, 111-132.
- Tong R. M., Beck M. B., Latten A.: Fuzzy control of the activated sludge wastewater treatment process. *Automatica*, 1980, 16, 659-701.
- Tzafestas S., Abu El Ata Doss S., Papakonstantinou G.: Expert system methodology in process supervision and control. In: *Knowledge based system diagnosis, supervision and control*. Tzafestas S. ed. , Plenum Press, New York, 1989.
- Vysoký P.: Control of systems described by means of nonmetric variables. In: *Computer aided system theory - EUROCAST'91*, Pichler F. Moreno-Diaz R. eds. Springer, Berlin, 1992.
- Wang L. X., Mendel J. M.: Generating fuzzy rules by learning from examples. *IEEE trans. SMC*, 1992, 22, 6, 1414-1427.
- Warfield J.: The magical number three plus or minus zero. *Cybernetics and systems*. 1988. 19, 4, 339-358.
- Weaver W.: Science and complexity. *American scientist*, 1948, 36, 536-544.
- Yager R. R., Filev D. P.: *Essentials of fuzzy modelling and control*. J. Wiley, New York, 1994.
- Zadeh L. A.: From circuit theory to system theory. *PIRE*, 50, 5, 1962, 856 - 865.
- Zadeh L. A. : Concept of state in system theory. In: *Views in general system theory*. Mesarovic M. ed., J. Willey, New York, 1964.
- Zadeh L. A.: Fuzzy sets. *Inf. Control*, 8, 6, 1965, 338 - 353.
- Zadeh L. A.: Outline of a new approach to the analysis of complex systems and decision processes. *IEEE trans. SMC*, 1973, 3, 1, 28-44.
- Zadeh L. A.: The concept of linguistic variable and its application to approximate reasoning. *Inf. Sci.* 1975, 8, 199-357, 9, 43-80.
- Zimmermann H. J.: *Fuzzy set theory and its applications*. Kluwer, Boston, 1994.
- Zwick R., Wallstein T. S.: Combining stochastic uncertainty and linguistic inexactness: Theory and experimental evaluation of fuzzy probability models. *Int. J. Man. Mach. Stds.* 1989, 30, 69-111.