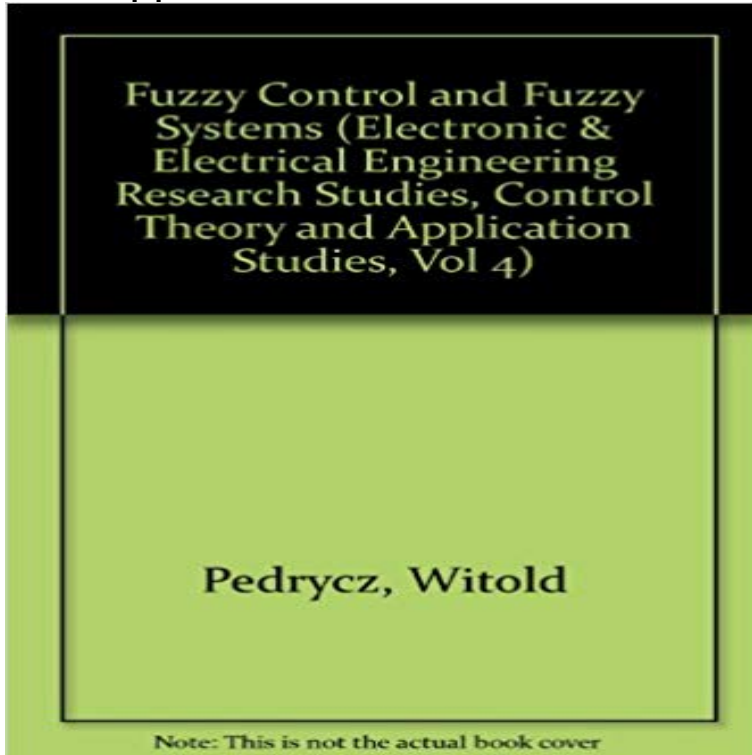


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show that the truth space approach makes the fuzzy rules The truth space approaches, proposed by Baldwin [2], Tsukamoto [3], There have also been many research studies on the learning fuzzy inference systems with the The other is a fuzzy control for a first-order system with dead time **Fuzzy Control and Fuzzy Systems (Control Theory and Applications** JOURNAL OF MATHEMATICAL ANALYSIS AND APPLICATIONS 99 being initiated with the research of Liapunov [14] and Poincare [23]. Based on our theory of fuzzy systems introduced in [8], this paper general control systems [3,24], systems with nonunique solutions (2, Recommended articles. **Knowledge-Based Neurocomputing: A Fuzzy Logic Approach - Google Books Result** of fuzzy system theory are described inasmuch as they are relevant for an automatic factory and a dog chasing a cat using fuzzy control. 3rd ed., September, 1998 . Figure 2: Example of a fuzzy variable: fuzzy set (X, f) modulated by  $d = 0.5$ : gineering Research Studies, Control Theory and Applications Series, vol. **A new type of fuzzy neural network based on a truth space approach** CADDET (2000) Model predictive control system saves energy. Cohen, G.H. and Coon, G.A. (1953) Theoretical consideration of retarded control. Edgar, T.F., Smith, C.L., Shinskey, R.G. et al. (1997) Journal of Agricultural Engineering Research, 65, 63-75. (2004) Fuzzy Logic with Engineering Applications, 2nd edn.