Article Abstract

Title:	Implementation of fuzzy logic control algorithm in embedded microcomputers for dedicated application
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Abstract:	Fuzzy logic control algorithm solves problems that are difficult to address with traditional control techniques. This paper describes an implementation of fuzzy logic control algorithm using inexpensive hardware as well as how to use fuzzy logic to tackle a specific control problem without any special software tools. As a case study, hardware implementation of fuzzy control algorithm for online temperature control system is demonstrated using 8-bit microcontroller. The hardware implementation followed by software approach has been discussed. Real time result of fuzzy logic temperature control system is also presented.
Keywords:	AVR, Fuzzy, Microcontrollers, embedded.