Abstract

Classical automata theory cannot deal with uncertainty. To deal with uncertainty in system modeling, fuzzy automata come into existence. Fuzzy automaton depends on membership value. For finding the membership degree of strings in fuzzy automata, the concept of max–min automaton and min–max automaton can be used. Many researchers have used the concept of max–min automaton for finding the fuzzy languages. In this paper, the concept of min–max automaton for finding the membership degree of strings in fuzzy automata has been used.

References

A Novel Approach for the Determination of Membership Values of the Strings in Fuzzy Languages

A Novel Approach for the Determination of Membership Values of the Strings in Fuzzy Languages


**Index Terms**

Computer Science  
Fuzzy Systems

**Keywords**

Nondeterministic fuzzy automata  
Fuzzy automata  
Min – max automata
A Novel Approach for the Determination of Membership Values of the Strings in Fuzzy Languages