Abstract

In this paper, we introduce generalized directable fuzzy automaton and discuss their structural characterizations. We have shown that a generalized directable fuzzy automaton is an extension of a uniformly monogenically strongly directable fuzzy automaton by a uniformly monogenically trap-directable fuzzy automaton and obtain other equivalent conditions for a generalized directable fuzzy automaton.

References


**Index Terms**

Computer Science  
Fuzzy Systems

**Keywords**

Necks & Local necks of a fuzzy automaton, Uniformly monogenically directable fuzzy automaton, generalized directable fuzzy automaton.