Abstract

The performances of an automatic system of recognition of word are, generally, directly related to quality, the type and the quantity of the data of training. This article shows the effect like the speaker on the performances of a system of recognition of the words isolated directed towards the problem from pathology from the spoken Arabic, in particular, substitution of the spoken Arabic. The system suggested is based on the models of markov hidden (HMM) whose exit is modeled by a density multigaussiennes (GMM). For the representation of the signals of word coefficients (MFCC) are used.

References

- L. E. Baum, T. Petri, G. Soules and N. Weiss, “A maximization technique occurring in the

**Index Terms**

Computer Science

Artificial Intelligence

**Keywords**

Component; Automatic Speech Recognition; Language Pathology; Phonemic Substitution; GM; MFCC; HMM; Arabic spoke.