Abstract

This paper is dedicated to present statistic method with dimensionality reduction for speaker identification. LPC is involved to formed set of descriptors for the speaker data. The formed descriptors vectors are evaluated to realize dimensionality reduction by PCA. This set of selected features is recognized by distance method. The experimental result revealed that the proposed work is achieved in better performance than without reduction.

References

Distance Method with PCA based Speaker Identification


Index Terms

Computer Science

Signal Processing

Keywords

Pattern Recognition, Dimensionality Reduction.