Distance Method with PCA based Speaker Identification

International Journal of Computer Applications
Foundation of Computer Science (FCS), NY, USA

Volume 145
Number 15

Year of Publication: 2016

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10.5120/ijca2016910871

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

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Index Terms

Computer Science

Signal Processing

Keywords

Pattern Recognition, Dimensionality Reduction.