Abstract

This paper describes the Matching Model of two different voices. Here, we are working on Digital Signals & Frequency of particular Speech. We have use Mel Frequency Cepstrum Coefficients (MFCC) for matching the frequency of speech as well as used the DISTMIN for calculating the minimum distance between two different signals. This technique gives the accuracy about authorized speaker. This will shows the average of matched voice so that you
Digital Signal Matching Technique

can identify the speaker or voice of that speaker.

References

- Maes S. H. and Beigi H. S.: Open Sesame! Speech password or key to secure your
  Communication and Technology (EUROPSPEECH), Budapest Hungry, (1999).
- Ganesh Tiwari, "Text Prompted Remote Speaker Authentication : Joint Speech and
  Speaker Recognition/Verification System".
- Ahsanul kabir, Sheikh Mohammad Masudul Ahsan,"Vector Quantization in Text
  Dependent Automatic Speaker Recognition using Mel-Frequency Cepstrum Coefficient";
  6th WSEAS Computer Science & Engineering: An international Journal (CSEIJ), Vol. 3, No. 4,
  August 2013 27 International Conference on circuits, systems, electronics, control & signal
  processing. Cairo,Egypt, dec 29-1,2007,page 352-355
- Lindasalwa Muda, Mumtaj Begam and Elamvazuthi, "Voice Recognition
  Algorithms using Mel Frequency Cepstral Coefficient (MFCC) and DTW Technique
- Mahdi Shanel and Azizollah Talheri. "Voice Command Recognition System based
  on MFCC and VQ Algorithms"; World Academy of Science, Engineering and Technology Journal,
  2009 Rosenberg A. E. and Parthasarathy S.: Speaker identification with user-selected
- Lee C.-H., Soong F. K., and Paliwal K. K., editors: Automatic speech and
  speak.
- A. M. Anusuya Department of Computer Science and Engineering Sri Jaya
  chamarajendra College of Engineering Mysore, India, S. K. Katti Department of Computer
  Science and Engineering Sri Jayachamarajendra College of Engineering Mysore, India:
  and Information Security, Vol. 6, No. 3, 2009
techniques to speaker-independent word recognition. Journal of Acoustic Society of
America66(3):663-673.
  recognition over the DD telephone network –Result of two extensive field studies";
  Proc. ICASSP, pp. 55-58

Index Terms
Keywords
Analysis  Mfcc  Distmin  Feature Extraction  Record Function  Bandpass Filtering