Abstract

A Text-to-speech (TTS) synthesis system is the artificial production of human system. This paper reviews recent research advances in field of speech synthesis with related to statistical parametric approach to speech synthesis based on HMM. In this approach, Hidden Markov Model based Text to speech synthesis (HTS) is reviewed in brief. The HTS is based on the generation of an optimal parameter sequence from subword HMMs. The quality of HTS framework relies on the accurate description of the phoneset. The most attractive part of HTS system is the prosodic characteristics of the voice can be modified by simply varying the HMM parameters, thus reducing the large storage requirement.

References

2. Black, A. Zen, H., Tokuda, K. “Statistical Parametric Synthesis”, in proc. ICASSP,
Honolulu, USA, 2007.
7. Christopher Richards, "Normalization of non-standard words". Computer Speech and Language (2001), pp. 287-333


41. Monica Mundada, Bharti Gawali, Sangramsing Kayte "Recognition and classification of

42. Monica Mundada, Sangramsing Kayte, Dr. Bharti Gawali "Classification of Fluent and Dysfluent Speech Using KNN Classifier" International Journal of Advanced Research in Computer Science and Software Engineering Volume 4, Issue 9, September 2014


Index Terms

Computer Science  
Signal Processing

Keywords

TTS, speech corpus, Marathi phonemes.