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Abstract

Frequency analyzer is one of the important functions of peripheral auditory system. Psycho-acoustically this gives rise to the concept of critical band, which represents the frequency resolution of the auditory system. Mel-Scale warping is one of the common techniques used for the analysis in speech recognition. Bark and ERB (Equivalent Rectangular Bandwidth) rate scales are two other auditory scales which have comparable performance to Mel-Scale. In this paper the acoustic features generated using filter banks with Mel-Scale, Bark-Scale and ERB-Scale has been investigated and analyzed with respect to the phonemes in the MISING language.

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Index Terms

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Keywords

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