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Abstract

Determining the beginning and the termination of speech in the presence of background noise is a complicated problem. This paper is concerned with labeling sections of speech samples based on whether they are silence, voiced or unvoiced speech. The labeling is done using calculations over the speech samples; zero crossing and short-term energy functions. The short-term energy and zero crossing rate of speech have been extensively used to detect the endpoints of an utterance.

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Index Terms

Computer Science

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Keywords

Short Term Energy (STE) Short Term Power (STP) Zero Crossing Rate (ZCR) Voice Activity Detection (VAD)

