A Classification Method for Speech Sounds in Ubiquitous City by GMM Method

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Abstract

In this talk, we propose a simulated classification method for emergency and non-emergency speech. For the purpose that, we use Gaussian Mixture Model The proposed method determine whether input speech is emergency or non-emergency speech by global GMM. If a speech is classified in emergency speech, local GMM is performed to classify the type of emergency speech. By some simulation results, we show that the proposed method is well classified whether the speech has noise or not.

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