عنوان مقاله:

Recognition of vocal commands of a driver while driving in a noisy environment

نویسنده:

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خلاصه مقاله:

In this paper, we are going to investigate the topic of recognition of certain words in a noisy environment. This topic is very important due to loss of the driver's concentration while working with the audio system of a car. The words which was mentioned by the driver are: next (next track), were prior (prior track), increase (volume) and decrease (volume). To exact the feature of each frame, we recruited Mel Frequency Cepstral Coefficient, First derivative Second derivative with audio energy (in aggregate 39 features). The Hidden Morkov Model algorithm was recruits signify that the proposal algorithm set has a high level performance

کلمات کلیدی:

Hidden Markov Model, MFCC, Speech, noisy environment

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