Patent Search

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Abstract:

[1] Our Invention ": A Novel Speech Enhancement and Quality Improvement with wavelet Hybrid Thresholding Technique" has been claimed. The ability of speech sig easily understood is crucial for communication and other speech-related systems. Speech improvement sets of computer instructions and tools are used to enhance aspects of the speech signal so that other speech processing sets of computer instructions can use them more effectively. Background noise and echo frequently cor speech communication that calls for at least one microphone and the desired speech signal. The speech sign must therefore be "cleaned" using sophisticated sign pr equipment before it is played out, transmitted, or stored. This invention looked into the necessary components and level of advancements for discourse improvemer discourse analysis. It is invented the windowed Speech pieces/parts zone is connected to the Speech Improvement set of PC guidelines, and the Improved Speech sig in its time area. The purpose of this invention is to investigate how Window shape affects Speech quality. The findings indicated that, the terms of six objective quality the results demonstrated that using Multilayer Spectrum estimation in conjunction with the suggested thresholding procedures produces better quality of speech.

Complete Specification

Description:[16] To study the performance of any algorithm, combinations of subjective and objective measures have to be carried on. Currently, the accurate meth evaluating speech quality is through subjective listening tests. But it is costly and time consuming. Hence, four Objective measures are chosen to evaluate the perfo of the proposed schemes of Thresholding the Multitaper Spectra Speech enhancement. Phonetically balanced clean speech signals and real world noise corrupted at different SNR levels have been taken from a speech corpus called "NOIZEUS" data base. White noise was added to the same clean speech signals at different SNR to obtain white noise signals which are also used inthis invention. These noisy speech examples are at different input SNRs equal to 0dB, 5dB, 10dB and 15dB.

[17] A relative performance of Hard, Soft, Improved, Modified Improved and the proposed Hybrid Thresholding techniques utilizing Daubechies and Symlet wavelet have been made to Enhance Telugu discourse signals. This performance gives the decision of Threshold capacity to utilize Wavelet de-noising for Telugu Speech. Th consequences for the five Proverbs have been inspected. The estimations of the extricated parameters are likewise introduced. From the outcomes, Db4 and Sym5 superior to anything different wavelets chose for this examination

[18]The performance of the enhanced signal is analyzed by using six objective measures for speech enhancement. All the measures are computed by segmenting tl sentences using 32-ms duration Hamming window with 75% overlap between adjacent frames. A tenth order LPC analysis was used in the computation of LPC- bas objective measure LLR.

View Application Status

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