Abstract

The main purpose of speech enhancement technique is to eliminate the background noise from speech signal to improve the quality of the speech signal. Speech signal is often corrupted by additive background noise like train noise, market noise etc. In such noisy environment listening at the end user is very difficult. This paper presents speech enhancement method using Cellular Automata (CA) algorithm. Based on Peak Signal to Noise Ratio and Mean Square Error criterion the system evaluate the amount of surrounding noise present in speech. The proposed algorithm helps to improve the quality of speech signal at the listener end.

References


Index Terms

Computer Science

Algorithms

Keywords
Keywords Speech Enhancement, Cellular Automata, PSNR, MMSE.