

Sinhala voice recognition with LPC method

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A wide variety of techniques are used to perform speech recognition. Typically speech recognition starts with the digital sampling of speech. This paper introduces how to digitise voice signal by using computer technology. Briefly discussed the analysis of these digitised data using Fourier transform and linear prediction. It is shown that linear prediction models are much better than Fourier analysis in Sinhala voice recognition. Experimental results showed that by selecting proper LP coefficient would generally reduce the computational complexity and increase the voice identification capabilities.