

Classification of speech files by waveforms

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Abstract

© 2015, Pleiades Publishing, Ltd. Parameters are proposed that characterize the form of individual signals of a speech file, such as the position of quantiles in a selected fragment and the parameters of parabolas that approximate the area under a curve. It is shown that the distribution of these parameters can be used for automatic discrimination of files containing speech in Tatar and Russian languages.

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Keywords

approximation by parabolas, automatic discrimination of languages, form of a file fragment, quantiles