

ANALYSIS OF FAST SPEAKER IDENTIFICATION IMPLEMENTED IN MATLAB AND CODE COMPOSER STUDIO

Summary – This paper presents results of experimental analysis of speech signal parameters for speaker identification based on short utterances. The experiments were performed in the MATLAB environment, showing a performance of the software and an effectiveness of the identification based on the vector quantization. Implementation of the speaker identification system, working as an embedded system, uses an electronic module with the floating-point TMS320C6713 digital signal processor programmed in the Code Composer Studio environment.