

A NEW CODING METHOD FOR SPEECH AND AUDIO SIGNALS 7 (WedPmOR1)

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★ Abstract :	In this paper a new representation or modeling method of speech signals is introduced. The proposed method is based on the generation of the so-called Predefined Signature S={SR} and Envelope vector E={EK} Sets (PSEVS). These vector sets are speaker and language independent. In this method, once the speech signals are divided into frames with selected lengths, then each frame signal piece Xi is reconstructed by means of the mathematical form of Xi=CiEKSR. In this representation, Ci is called the frame coefficient, SR and EK are the vectors properly assigned from the PSEVS respectively. It is shown that	

quality.

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the proposed method provides fast reconstruction and substantial compression ratio with acceptable hearing