

An Efficient Phase Vocoder Algorithm of Voice Morphing using VHDL

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Abstract— Voice morphing is the process of producing intermediate or hybrid voices between the utterances of two speakers. It can also be defined as the process of gradually transforming the voice of one speaker to that of another. Like image morphing, speech morphing aims to preserve the shared characteristics of the starting and final signals, while generating a smooth transition between them. This paper describes the Phase vocoder method of voice morphing. We extract the feature difference of source and targeted voice applies this phase different to the source voice.

Keywords – Voice morph, Phase vocoder, Speech.