

ABSTRACT

Voice conversion proses need some method to aplicated to chosen voice that use. There are many method that have been try in many training who doing about speech prosessing, method that we talk in this final project are speaker transformation algorithm. This algorithm use preemphasize like another voice conversion, but there are something different with another algorithm that have been aplicated.

Speaker Transformation Algorithm are one of many voice modification method that modify source speaker voice to soubd like target speaker voice. This algorithm use segmental codebook to make some voice alteration and excitation that have relation with voice glotis.

In this final project , some training and analize done to search something about effect of using STASC to system. Input are consist of source speaker and target speaker that have duration about 2 – 5 second. Parameter of voice input are analize with LPC (Linear Predictive Coding). And then some prosses done to LPC that are obtained.

Perform of algorithm are tested by calculate method and subjective method. Result of the test is good enough, for men to women voice conversion is produce 4.3 – 4.6 MOS point and for men to men voice conversion is produce 3.6 – 4.1 MOS point.

Key word: *LPC, codebook,source speaker,target speaker,STASC*