Abstract

TTS (Text-to-speech) systems are used invariably as part of our daily lives and have come a long way. In this paper TTS system using Concatenative synthesis based on the SDK (Software Development Kit) platform has been presented. This system is compatible with both computer and mobile devices. It has a user friendly GUI (graphical user interface) to control various speech parameters. Speech signal produced can be saved and listened to whenever required. Signal analysis of the output speech can also be done using TTS System. The results of these signal analysis along with the stored speech signal can be used for further applications depending upon the requirements. It is an intelligent system and is able to overcome various normalization problems.
An Intelligent Text to Speech System for Windows based Systems and Mobile Devices


Ingmund Bjørkan, Speech Generation and Modification in Concatenative Speech Synthesis Ph D Thesis, Norwegian University of Science and Technology, Faculty of Information Technology, Mathematics and Electrical Engineering, Department of Electronics and Telecommunications 2010


Zeng et al., &quot;Speech dynamic range for cochlear implants&quot;; J. Acoust. Soc.
An Intelligent Text to Speech System for Windows based Systems and Mobile Devices


Index Terms

Computer Science

Pattern Recognition

Keywords

TTS  SDK  Concatenative synthesis  GUI