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VOICE MANIPULATION

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Abstract

TITLE: Voice Manipulation

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The voice of a human either is a male or female, under age or adult can be modified in such a way, that the original voice is completely changed into an almost different one. For example a young boy's voice can be changed into an adult's voice and vice versa, a woman's voice into a man's voice and vice versa, and also the voice of any human can be changed and sounds let's say like a robot.

The following project that I am presenting is about the method that I use to achieve this modification. A selection has been made from various methods that we could use to achieve voice manipulation, and that was the voice processor.

The voice processor is using an IC which has the ability to modify a human's voice, in the way I mentioned above, by using the effects of vibrato, pitch shifting (up and down), and robot. A full explanation of these effects is related in Chapter 4.

The voice processor was tested using the auxiliary input of my HI-FI system and testing tools provided at the laboratories of H.T.I. In both cases the results were found to be outstanding and very amusing.

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