

SEARCH FOR OPTIMAL TEACHING PROCEDURE AND WARPING ALGORITHMS
FOR ON ISOLATED WORD RECOGNITION DEVICE

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An automatic word recognizer was developed using a preprocessor constructed on the base of a psychoacoustic model. In every 10 ms 5 parameters characterize one word. Different time warping algorithms were examined and made a comparison between them to find the optimum for the recognition accuracy and for the recognition time. Some teaching method was also examined to choose the best for recognition using the simplest teaching procedure.