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Perception on Synthesized Friendly Standard Chinese Speech(ABSTRACT)

Aijun Li, Fangxin Chen, Hai bo Wang, Tianqing Wang

This paper presents a perceptual experiment on the friendliness of the synthesized Standard Chinese. Based on the acoustic investigation of friendly speech, tonal pitch, phone duration and spectral energy distribution were adjusted in synthesis and the synthesized stimuli were subjected to perception test. It was found that: (1) Friendliness of synthesized speech could be achieved via adjusting the perceptually distinctive acoustic parameters; (2) Tonal pitch is the most prominent cue for better expression of friendliness. However, the optimal adjustment for friendliness is the combination of pitch, phone duration and spectral energy.

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