

ABSTRACT OF THE DISCLOSURE

COARTICULATION PROCESSING APPARATUS FOR CHINESE
SPEECH SYNTHESIS

By analyzing the situation of coarticulation of the adjacent syllables in a word string, the present invention can obtain some variation rules for coarticulation in which the preceding syllable is different as the initial phoneme state and tone of the succeeding syllable is different. Using these variation rules, a CV-VC(VV) coarticulation processing apparatus for handling coarticulation is established. The coarticulation processing apparatus finds the VC(VV) coarticulation segment by the combining relationship between the consonants and vowels of the preceding and succeeding syllables, and implements the overlapping and adding operation of waveforms between the preceding and succeeding syllables, so as to achieve a natural and fluent effect on the synthesis of speech.

Fig.1