

CUSTOM TONE AND VOCAL SYNTHESIS METHOD AND APPARATUS, ELECTRONIC DEVICE, AND STORAGE MEDIUM

ABSTRACT

5 A custom tone and vocal synthesis method and apparatus, an electronic device,
and a storage medium. The synthesis method comprises: training a first neural
network by means of a speaker record sample to obtain a speaker recognition model,
the output training result of the first neural network being a speaker vector sample
(S102); training a second neural network by means of an unaccompanied vocal
10 singing sample and the speaker vector sample to obtain an unaccompanied singing
synthesis model (S104); inputting a speaker record to be synthesized into the speaker
recognition model to obtain speaker information output by the intermediate hidden
layer of the speaker recognition model (S106); and inputting unaccompanied singing
music information to be synthesized and the speaker information into the
15 unaccompanied singing synthesis model to obtain a synthesized custom tone and
vocal (S108). By means of the method, the efficiency and effect of custom tone and
vocal synthesis are improved, and the model training time and response time of
custom tone and vocal synthesis are shortened.

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Fig. 1