

ABSTRACT

Provided is a method and apparatus for training tooth beautification model, a method and apparatus of tooth beautification, relating to the fields of computer vision, model training, image processing and digital human technology. The training method includes: applying (S110) at least
5 one image degradation algorithm to a tooth region of a sample face image to obtain a training image; inputting (S120) the training image into a neural network model having a symmetric encoder-decoder structure to output a beautified face image, where the model performs downsampling on the training image through an encoder path to extract a feature and then performs upsampling on the feature through a decoder path to reconstruct; and iteratively
10 updating (S130) parameters of the neural network model according to a difference between the sample face image and the beautified face image to obtain the tooth beautification model.

[Figure 1]