

IMAGE LIGHTING METHODS AND APPARATUSES, ELECTRONIC DEVICES, AND STORAGE MEDIA

ABSTRACT

The present disclosure discloses image lighting methods and apparatuses, electronic devices, and storage media. The method includes: determining a convolutional neural network corresponding to a lighting operation type of an initial image; obtaining local feature information and global feature information of the initial image by means of the convolutional neural network; obtaining fusion feature information of the initial image by means of the convolutional neural network based on the local feature information and the global feature information; obtaining a maximum pooling result map and a minimum pooling result map by means of the convolutional neural network based on a luminance component map of the initial image; obtaining a bilateral grid matrix of the initial image based on the fusion feature information, the maximum pooling result map, and the minimum pooling result map; and performing affine transformation on the initial image according to the bilateral grid matrix to obtain a target image, the target image being an image obtained after lighting the initial image according to the lighting operation type.

[Figure 1]