**Zero watermark generation**

1. Use the working platform: **pytorch**+**jupyter notebook**

2. In the three folders, ***content***is a copyright watermark image,***style*** is a protected image, and ***zero-watermark*** is a zero-watermark image that uses style transfer to combine the style of the protected image with the content of the copyright image.

3. ***GENERATOR.ipynb*** generates code for zero watermark, in which the three directories in [14] correspond to the three folders in 2 respectively, and the code can be modified to the corresponding directory. The STEP parameter in [16] represents the period of training, 100 generations is enough to reduce the loss to our acceptable range

3. What is saved in the ***zero-watermark*** is the zero watermark generated by using all the pictures in the style and the icon l2.png in the ***content,*** as follows:

Protect image Copyright image Generate zero watermark









