

# Weekly Report

September 1, 2017

## 1 paper comments

1.讲清楚方法的challenge。

答：The first challenge is how to rearrange facial features of target face properly according to source face.

The second challenge is to keep facial hues and illumination information of target face as much as possible so that output face looks more photorealistic.

2.介绍自己方法和别人工作不同之处在哪里，自己做了哪些工作别人没做的。

答：Face morphing is a seamless transition from one face image to the other. In other words, it is a transition of two images. It builds the correspondences of two faces, but not adjusts the sizes and the locations of two faces. It warps two images according to the correspondences and interpolates two warped images to generate intermediate images. So the intermediate images of the transition are not photorealistic. Our algorithm adjusts the sizes and the locations of two faces. It operates only on two faces but not the whole images, and preserves lots of illumination information and facial hues of the target face. So the result of our algorithm is a photorealistic edited target face but not a transition of two images.

The main difference between face swapping and our task is that we want to keep some features of the target face but not to replace the target face with the source face. In fact, how to fuse the features of the source face into the target face is our main consideration.

3.在Conclusions里介绍方法的limitation。

答：The limitation of our method is clear, we have small tolerance to pose variation. Once two faces are in different poses, warping faces changes the original distributions of face features.

## 2 other problems

动词时态问题

动词单复数为题

主从句问题

公式要加标点符号

图片的caption不能跨页

去掉存在could的表述

去掉一些口语化的表达。

在Experiments的开头介绍overview introduction

在表述时，分清楚输入和输出

## References