

# Lecture 5-2 Discussion for lecture 5

Course piazza link:

[piazza.com/shanghaitech.edu.cn/spring2021/cs270spring2021](https://piazza.com/shanghaitech.edu.cn/spring2021/cs270spring2021)

## To do list:

1. Using the zombie.jpg image or other image you like, make a transform with  $35^\circ$  clock-wise rotations, 0.6 scaling and 50 shift on X-axial; 0.8 scaling and 15 shift on Y-axial. |
2. Follow the link below to install computer vision tool box into matlab, <https://ww2.mathworks.cn/products/computer-vision.html>. Run file registration\_notebook.m in the folder and get the 'recovered' image. Find the estimated transform matrix from the 'distorted' image to the 'recovered' image. Figure out the effect of the estimated transform matrix (how much degree of rotation, portion of scaling, and shift has been made by the matrix).