

CIS 580, Machine Perception, Spring 2021

Homework 5 Demo

Due: Thursday April 29 2021, 11:59pm

1 Demo Instructions

For the demo of homework 5 you should record a 5-10 minutes video where:

1. You go over all the parts of your code and you explain their functionality (please explain what they do and how they do it)
2. You run your code (during the recording) for the original pair of images available [here](#) and [here](#) and you show the results. Remember that for this pair the camera matrix has $f = 550$ and $(u_0, v_0) = (307.5, 205)$.



Figure 1: Original pair of images

3. You run your code (during the recording) for the new pair of images available [here](#) and [here](#) and you show the results. For the new pair the camera matrix has $f = 596.4$, $(u_0, v_0) = (284, 213)$. This pair is more challenging so you may need to increase the number of iterations of RANSAC.



Figure 2: New pair of images

4. (optional) You can also run your code for the extra pair of images provided on Piazza

You should upload this recording in a Google Drive or any other cloud service of your choice like Dropbox or even Zoom Cloud Recordings. Then you should submit a single pdf in Gradescope with a link that allows us to access this recording (submit this in assignment HW5_Demo in gradescope). The due date for this submission is Thursday 4/29, 11:59pm

An easy way to do the recording is to open a personal Zoom meeting and start recording while you share your screen. Of course feel free to use any other method you like.

If your implementation takes more than 10 minutes to run the 2 pairs it is ok for the recording to be more than 10 minutes.