

Nicholas Zotalis

CS 585

4/21/2022

Challenge Update

I am currently receiving a score of approximately 88 on the leaderboard which is well above the threshold of random performance. I am using `findEssentialMat` and `recoverPose` from `cv2` to do this. I obtain matches between images with the FAST feature detector and calculate optical flow with `cv2`. I obtain the translation vector and use that to update the position of the camera center. My next step will be to implement something beyond the given problem, such as bundle adjustment to improve the predicted path. I will keep the `opencv` functions due to their efficiency and bug handling; I feel that reimplementing them myself could be time consuming and lead to bugs.