

Computer Vision, fall 2019

Exercise 4, 2.10.2019

Ex 4.1 Fundamental and Essential matrices

Implement the two-frame E and F matrix estimation techniques presented in lecture slides and Szelisk's book Section 7.2, for the images EFM1.jpg and EFM2.jpg. Calibration file for the camera used for taking the images is Calib_Results_N8.

Ex 4.2 Correcting radial distortion (Continuation for exercise 3.2, use the same images and calibration file)

Correct the radial distortion of your images (you can find the parameters from the calibration file given for the previous exercise) and repeat the steps 1 and 2 in the exercise task 3.2. How did the vanishing point location coordinates change?