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15EE3508

I have used Matlab to do the assignment

Extracting Features

I have used detectSURFFeatures() function to extract all the SURF features of images

I have displayed 5 strong features of the images with their orientation



By using extractFeatures() and matchFeatures() we match the common features

There are total of 22 common features

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Fundamental Matrix

By using estimateFundamentalMatrix() it randomly chooses 8 points (so matrix changes every time we run) and find fundamental matrix by RANSAC Algorithm

Fundamental Matrix:

For finding epipoles, Apply svd and from first and third matrix we can get epipoles

ep1 =

480.4455

309.0720

ep2 =

831.8305

312.7878

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Epipoler lines

I found using epipolarLine()

