cam0=[5806.559 0 1429.219; 0 5806.559 993.403; 0 0 1]

cam1=[5806.559 0 1543.51; 0 5806.559 993.403; 0 0 1]

doffs=114.291

baseline=174.019

width=2960

height=2016

ndisp=250

isint=0

vmin=38

vmax=222

dyavg=0

dymax=0

Draw lines on the images using the features on image

Parameters

----------

img1 : Img

input left image.

img2 : Img

Input right image.

lines : np.array

epipolar lines.

pts1 : np.array

feature points.

pts2 : np.array

feature points.

Returns

-------

img1 : image

image with lines plotted.

img2 : TYPE

image with lines plotted

image1=cv2.imread(file\_location+"/Dataset 1/im0.png")#For dataset 1

image2=cv2.imread(file\_location+"/Dataset 1/im1.png")

#image1=cv2.imread(file\_location+"/Dataset 2/im0.png")#For dataset 2

#image2=cv2.imread(file\_location+"/Dataset 2/im1.png")

#image1=cv2.imread(file\_location+"/Dataset 3/im0.png")# For dataset 3

#image2=cv2.imread(file\_location+"/Dataset 3/im1.png")

K=np.array([[5299.313, 0, 1263.818],[ 0 ,5299.313, 977.763],[ 0, 0, 1]])#For dataset 1

#K=np.array([[4396.869,0,1353.072],[ 0,4396.869,989.702],[ 0, 0, 1]])#For dataset 2

#K=np.array([[5806.559 ,0, 1429.219],[ 0 ,5806.559 ,993.403],[ 0 ,0 ,1]])# For dataset 3

baseline=177.288 # dataset1

f=5299.313

#baseline=144.049#dataset2

#f=4396.869

#baseline=174.019#dataset3

#f=5806.559

import os

file\_location=os.getcwd()

ransac=Ransac()

epipole=epipolar\_geometry()

#image1=cv2.imread(r"C:/Users/abhil/OneDrive/Desktop/ENPM673/project3/Dataset 1/im0.png")

#image2=cv2.imread(r"C:/Users/abhil/OneDrive/Desktop/ENPM673/project3/Dataset 1/im1.png")

image1=cv2.imread(file\_location+"/Dataset 1/im0.png")

image2=cv2.imread(file\_location+"/Dataset 1/im1.png")