Háskólinn í Reykjavík

Assignment 1 - OpenCV setup and point operations

Computer Vision
T-869-COMP
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Answering questions

For testing, check and write down answers to the following questions:

The processing time for one video frame or image.

» 0.2470531463623047 sek is the processing time for the code to read and process the image/video

How does the processing time change when you add the bright spot detection?

» 0.2509438991546631 sek when running the bright spot in built function.

» 0.28196167945861816 sek using the for loop code to find the bright spot

Is the processing time identical when you do not display the image?

» no, it is faster

» 0.1454637050628662 sek when running the bright spot in built function.

» 0.18261241912841797 sek using the for loop code to find the bright spot

How does your for-loop implementation compare to the built-in function? (nota imshow og mæli tímann á milli þess þegar kóðinn byrjar að runna og þangað til hann birtir myndina. Eftir imshow()).

running both most brightness and reddest code.

» Built in functions in opencv

» fps = 30

» 0.25275444984436035 sek

» For loops

» fps = 15 with for-loop

» 0.6331415176391602

Moving your hand in front of the camera, estimate the latency between image capture and display.

» I would estimate 300 ms latency

Is the latency different when capturing from a mobile phone?

» Yes, little bit more lag, I would estimate around 0.5 sek.