

## Assignment 1 Questions

- The processing time for one video frame or image.

A lot of frames recorded and they were 0.0291

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

With bright spot detections using functions there does not seem to be much difference in processing time.

A sample taken had an average of 0.0274495

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

There seems to be some minor difference without the image, a average of a sample was 0.0248 without image

- How does your for-loop implementation compare to the built-in function?

The for-loop is much worse than the use of functions.

Processing time is increased to about 0.05-0.06 seconds.

A sampling had an average of 0.067

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

With the bright spot and reddest spot detection on the latency is good.

- Is the latency different when capturing from a mobile phone?

Latency is still good when using functions to find the red spot but when using for loops it becomes noticeably worse.