Assignment 1

The processing time for one video frame or image.

The processing time varies largely between multiple frames. Therefore an average of 30 frames is used to calculate the time per frame.

Average time per frame: 0.033s

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

The processing time is roughly the same.

Average time per frame: 0.033s

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

The processing time is still roughly the same.

Average time per frame: 0.033s

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

The for loop is much slower than the built-in function.

Average time per frame: 0.21s

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

Estimated latency: 0.1s

Is the latency different when capturing from a mobile phone?

Yes, the latency is much higher.

Estimated latency: 3s