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