Assignment 1

T-869-COMP, Computer Vision

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Answers

1. **How do you define "reddest"?**
   I defined the "reddest" point as the pixels that have the highest red intensity in the HSV color space.

2. **Processing time for one video frame or image**
   Processing time is mostly between 0.008 and 0.012 seconds.

3. **How does the processing time change when you add the bright spot detection?**
   It remains in the same range but is more often greater than 0.01 seconds.

4. **Is the processing time identical when you do not display the image?**
   No, it increases to between 0.02 and 0.03 seconds.

5. **How does your for-loop implementation compare to the built-in function?**
   It's much slower, processing time is more than 1.5 seconds per frame.

6. **Moving your hand in front of the camera, estimate the latency between image capture and display.**
   The latency seems to be around 0.05 seconds.

7. **Is the latency different when capturing from a mobile phone?**
   Yes, the latency is increased, maybe to 0.1 seconds or a bit more.