

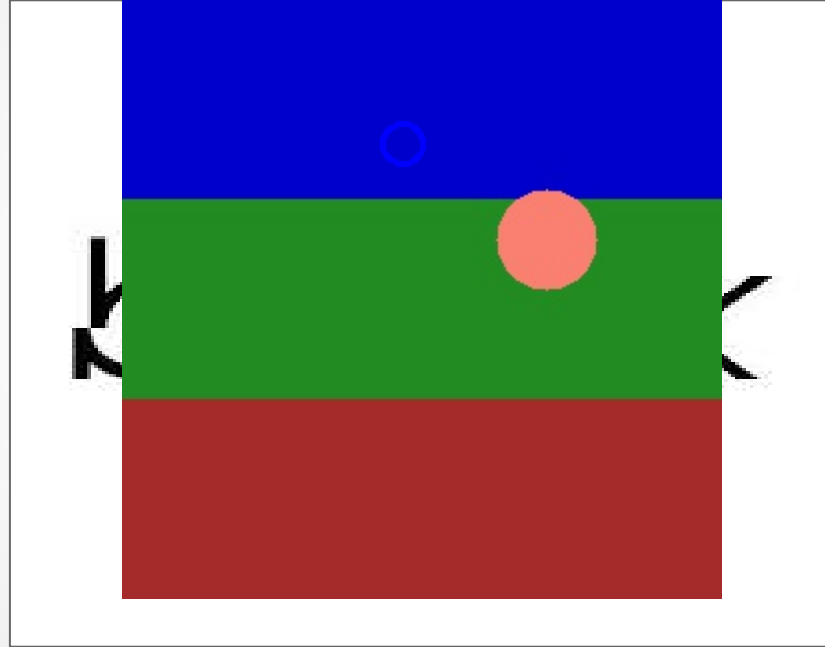
Computer Vision

Spring 2018

Problem Set #5

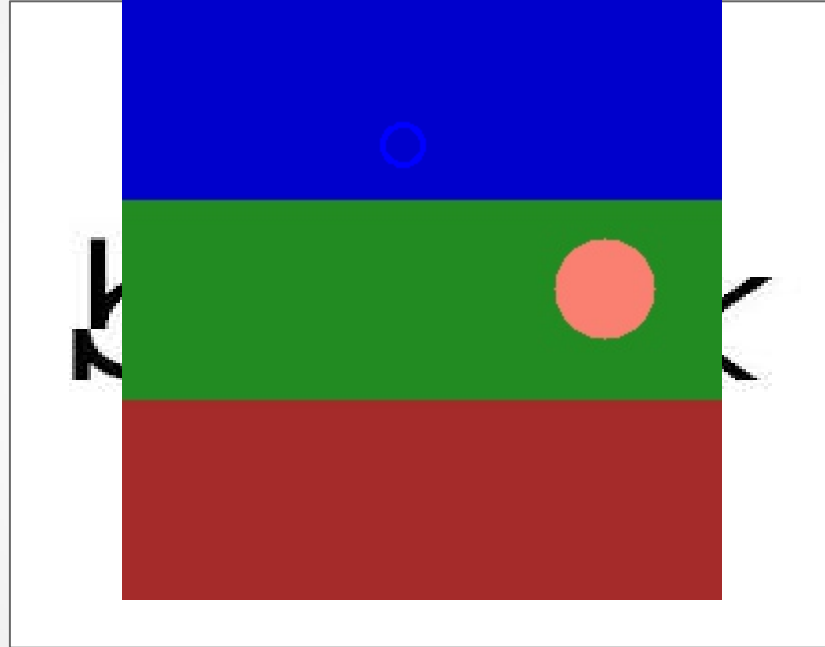
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1b: KF Tracking a circle



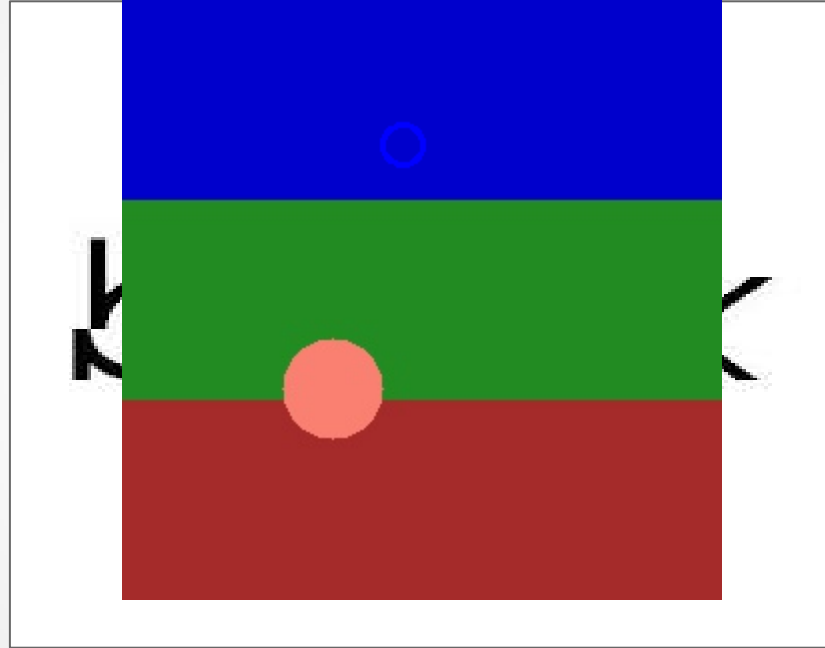
ps5-1-b-1.png

1b: KF Tracking a circle (cont.)



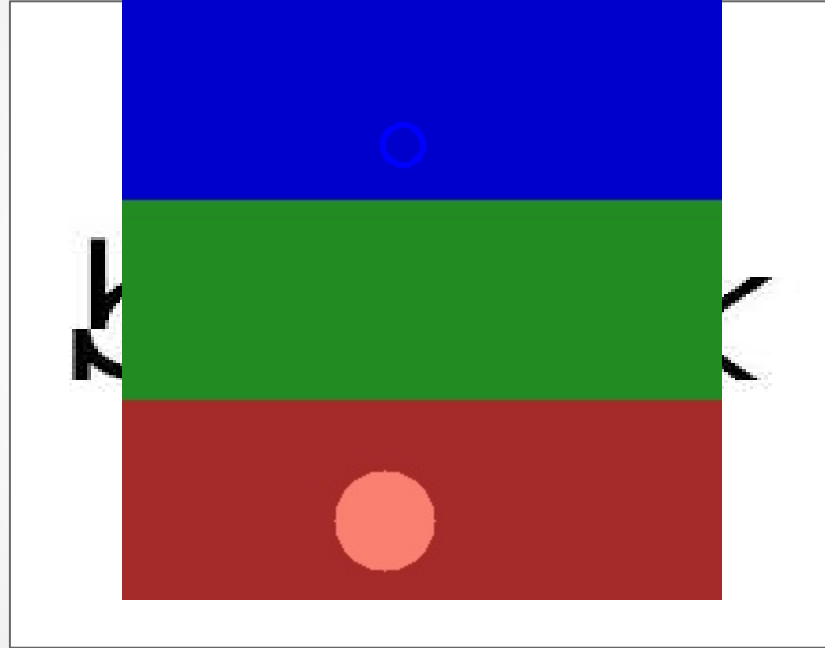
ps5-1-b-2.png

1b: KF Tracking a circle (cont.)



ps5-1-b-3.png

1b: KF Tracking a circle (cont.)



ps5-1-b-4.png

1c: KF Tracking pedestrians



ps5-1-c-1.png

1c: KF Tracking pedestrians



ps5-1-c-2.png

1c: KF Tracking pedestrians



ps5-1-c-3.png

1c: KF Tracking pedestrians



ps5-1-c-4.png

2a: PF Tracking a circle



ps5-2-a-1.png

2a: PF Tracking a circle (cont.)



ps5-2-a-2.png

2a: PF Tracking a circle (cont.)



ps5-2-a-3.png

2a: PF Tracking a circle (cont.)



ps5-2-a-4.png

2b: PF Tracking noisy video



ps5-2-b-1.png

2b: PF Tracking noisy video (cont.)



ps5-2-b-2.png

2b: PF Tracking noisy video (cont.)



ps5-2-b-3.png

2b: PF Tracking noisy video (cont.)



ps5-2-b-4.png

3a: PF Changes in Appearance



ps5-3-a-1.png

3a: PF Changes in Appearance (cont.)



ps5-3-a-2.png

3a: PF Changes in Appearance (cont.)



ps5-3-a-3.png

4a: PF Occlusions



ps5-4-a-1.png

4a: PF Occlusions (cont.)



ps5-4-a-2.png

4a: PF Occlusions (cont.)



ps5-4-a-3.png

4a: PF Occlusions (cont.)



ps5-4-a-4.png

4: Text response

5: Tracking multiple targets



ps5-5-a-1.png

5: Tracking multiple targets (cont.)



ps5-5-a-2.png

5: Tracking multiple targets (cont.)



ps5-5-a-3.png

5: Text response

6: Challenge Problem



ps5-6-a-1.png

6: Challenge Problem (cont.)



ps5-6-a-2.png

6: Challenge Problem (cont.)



ps5-6-a-3.png

6: Challenge Problem Text response