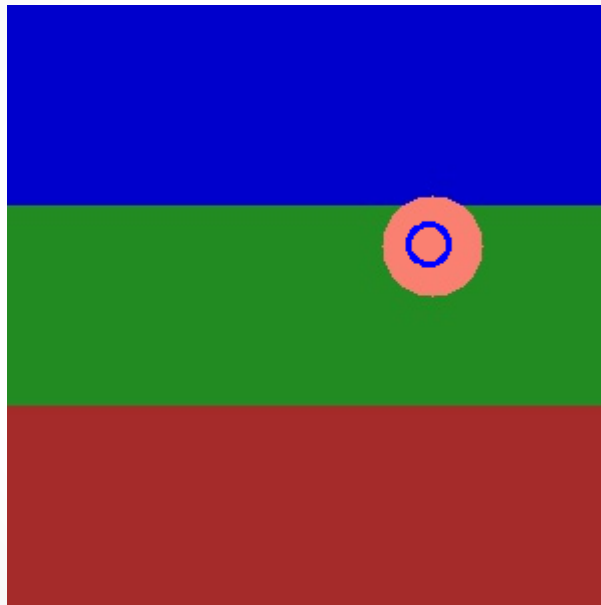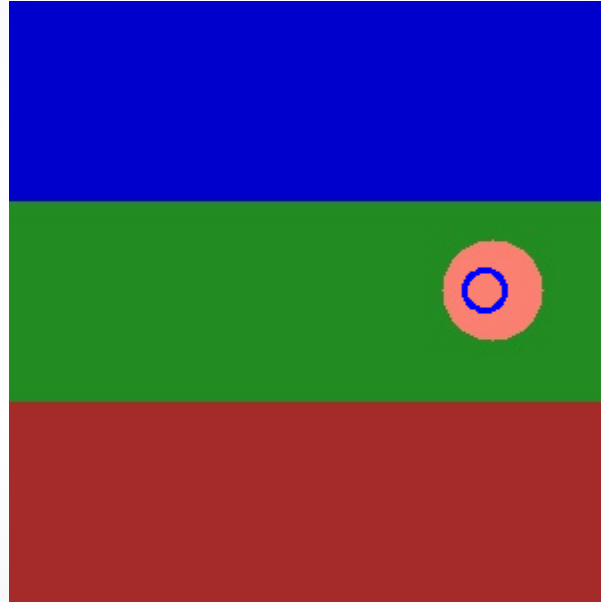# Computer Vision
Fall 2017
Problem Set #5

Zhichen Guo
zguo98@gatech.edu

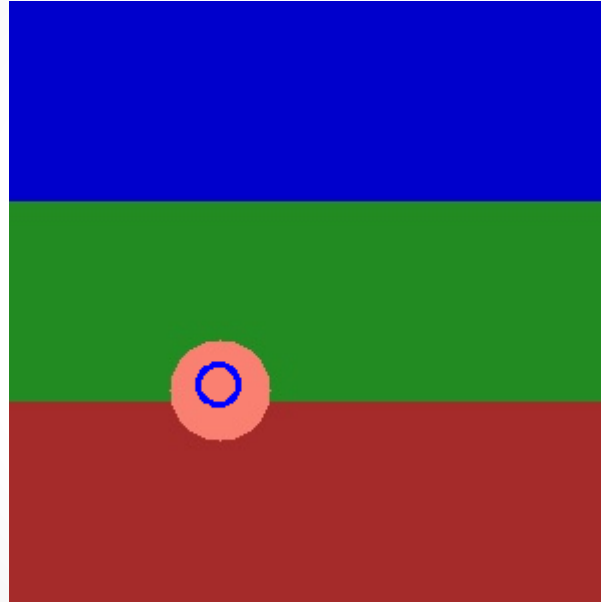# 1b: KF Tracking a circle

ps5-1-b-1.png
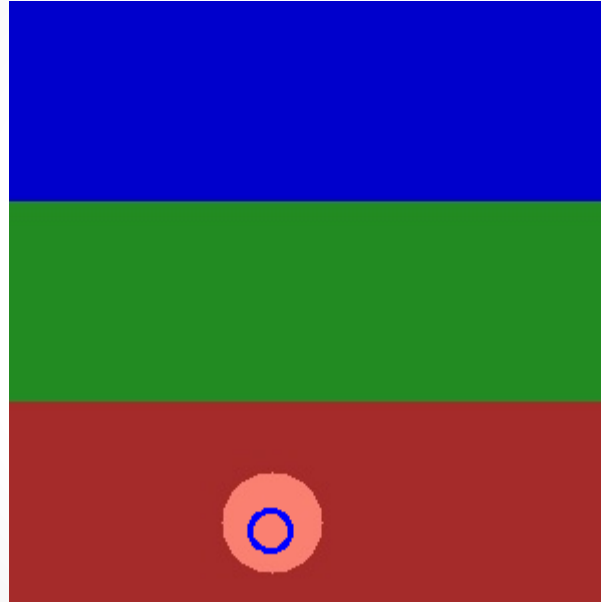
1b: KF Tracking a circle (cont.)

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
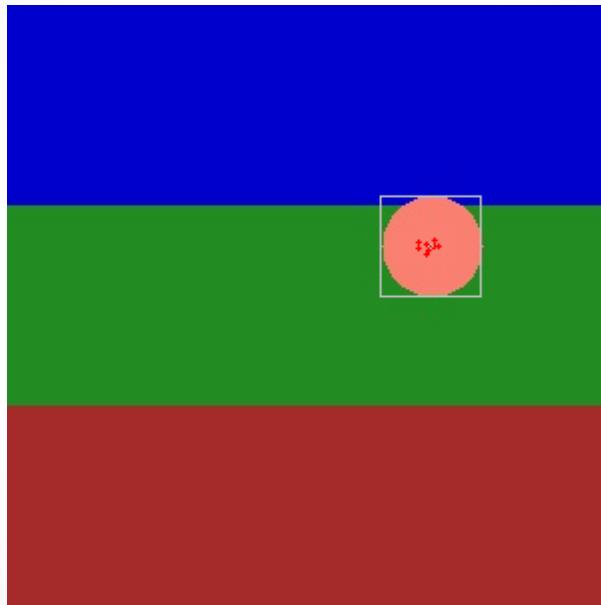

ps5-1-c-2.png

1c: KF Tracking pedestrians
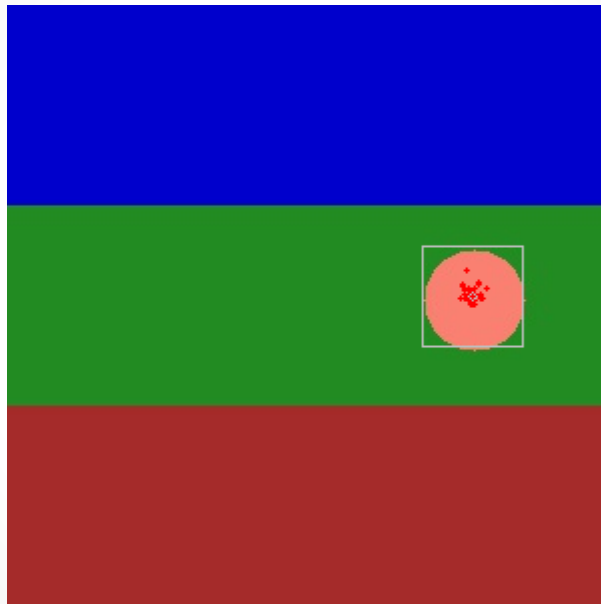

ps5-1-c-3.png

1c: KF Tracking pedestrians

ps5-1-c-4.png
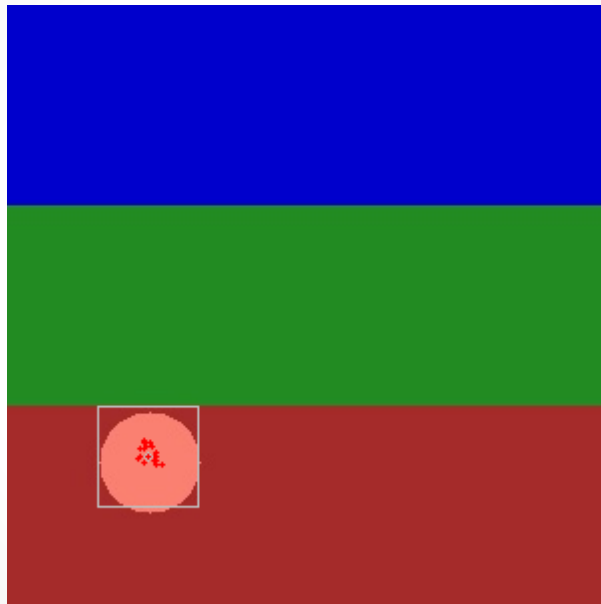
2a: PF Tracking a circle

ps5-2-a-1.png

2a: PF Tracking a circle (cont.)

ps5-2-a-2.png
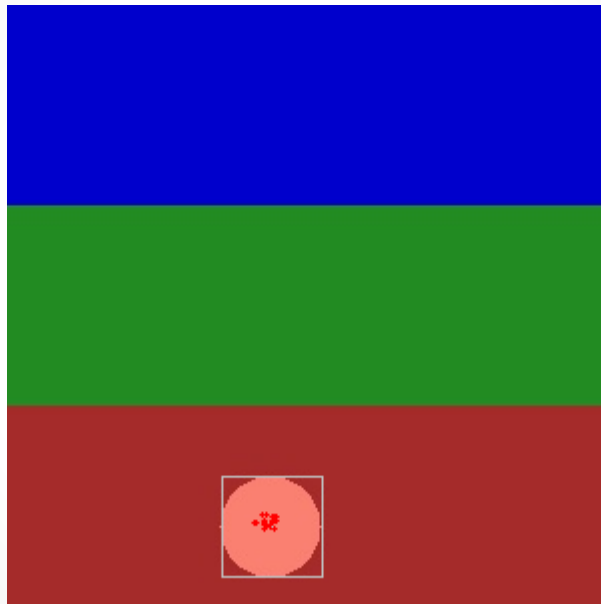
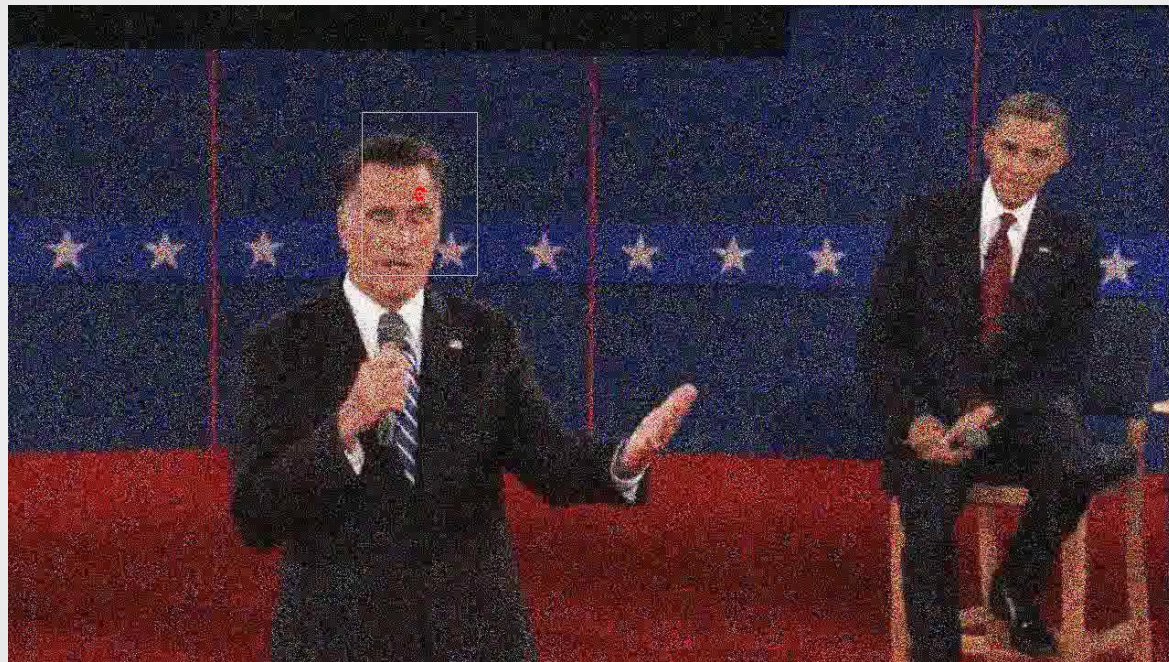# 2a: PF Tracking a circle (cont.)

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

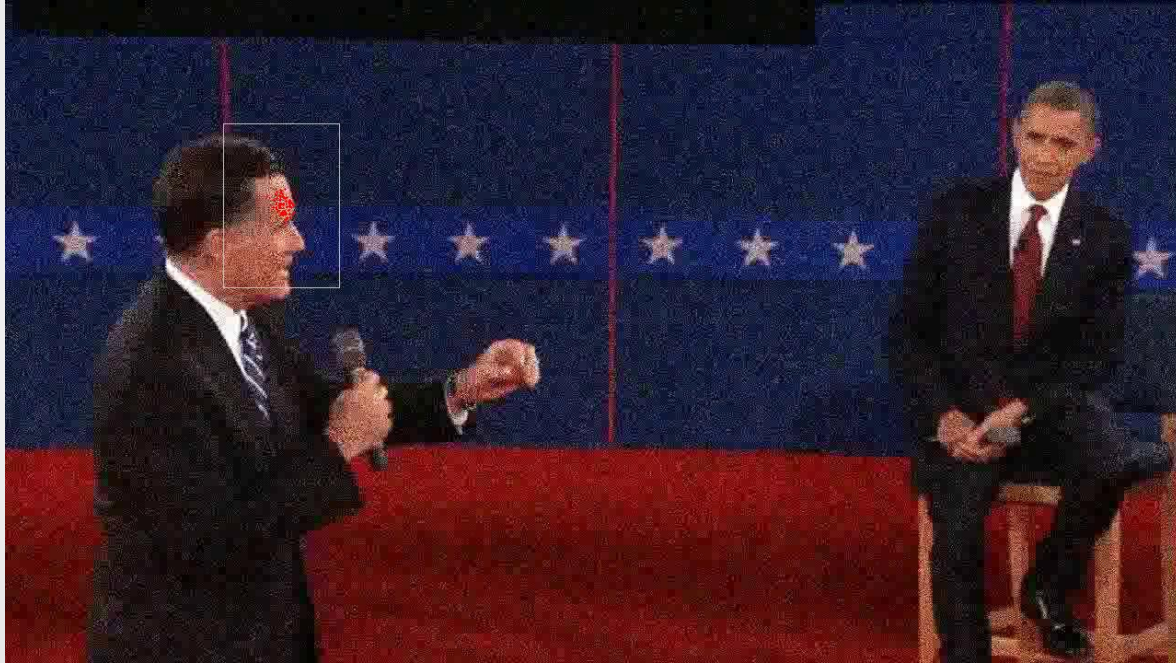# 2b: PF Tracking noisy video (cont.)

ps5-2-b-2.png

2b: PF Tracking noisy video (cont.)
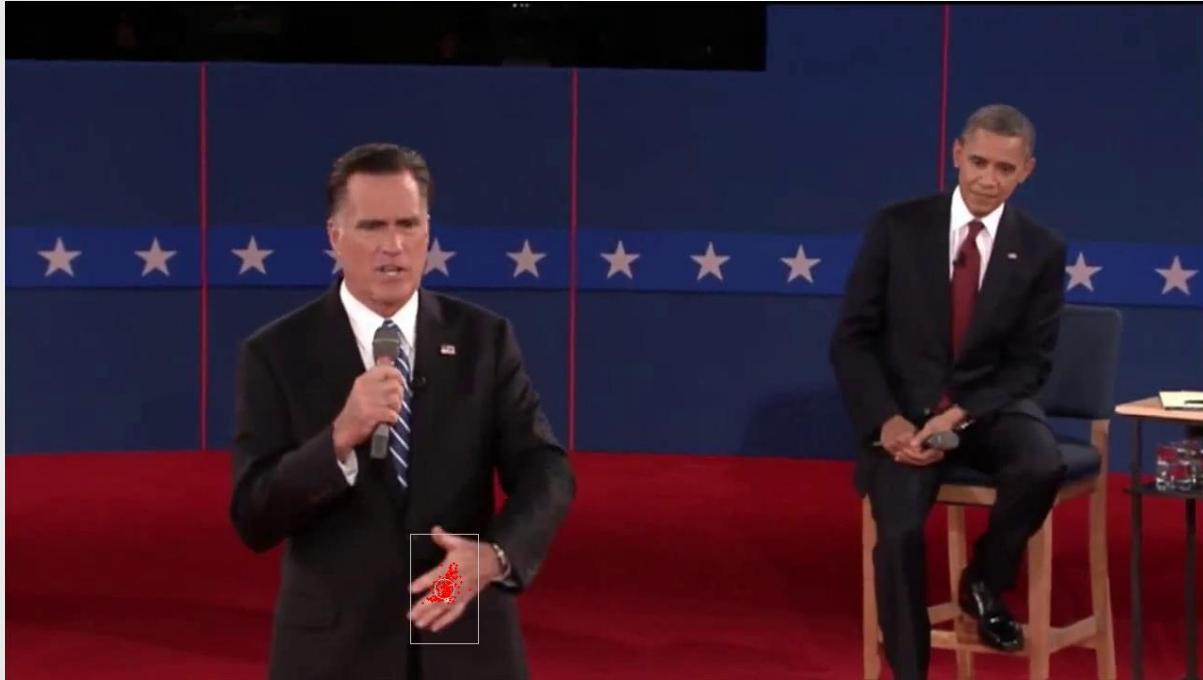

ps5-2-b-3.png

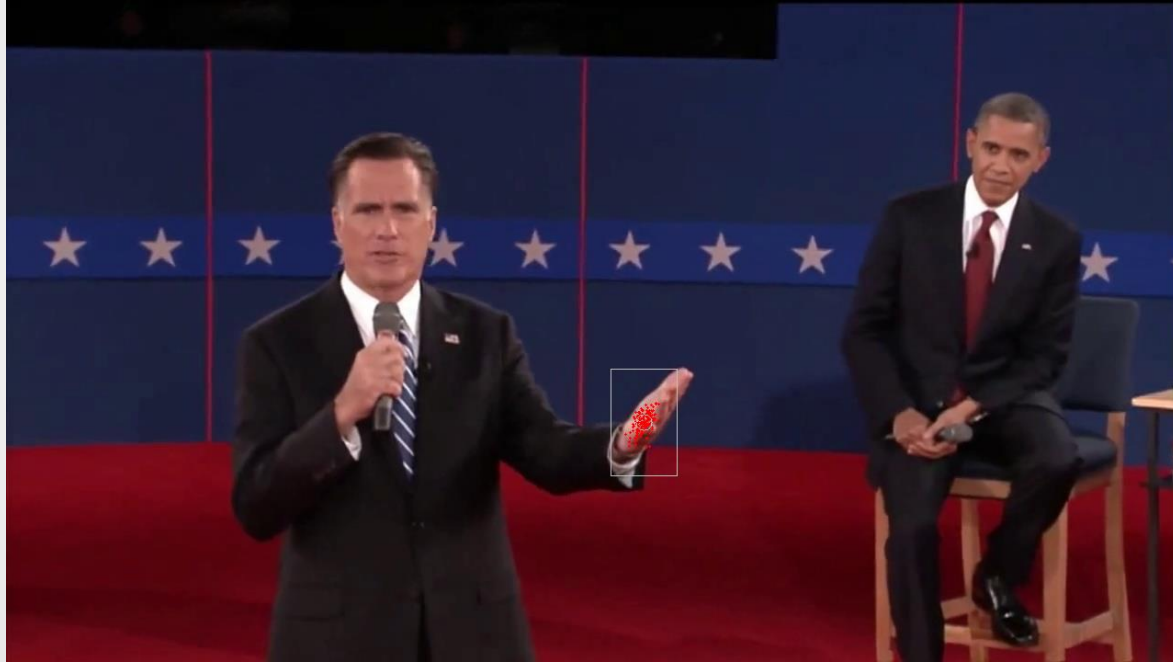# 2b: PF Tracking noisy video (cont.)

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

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