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PES71

ECE1390

Problem Set 6

1a) I used a 5x5 gaussian filter with a sigma of 1. Based on the results I was able to get a good estimation of movement in both the x and y for both shift types. In my image that is shifted to the right by 2 There is a slight amount of deviation in the y direction, but it is minimal. On the R5U5 image, I was able to see clear movement in both the y and x direction.

1b) In the images shifted by the larger values there is movement detected but is not detected clearly in one direction. In all three images there's a lot of motion detected in the y direction when there shouldn't be. There is clearly too much motion in the images to be cleanly detected.