Total: 87.5

0 day(s) late

Problem 1: 9

- (d) The question actually asks to compare (c) with (a) instead of (c) with (b). -1 pt.

Problem 2: 15

- -0: There's a np.cumsum for computing cdf, which is more efficient.

Problem 3: 13

- -1 inefficiency: looping over pixels
- -1 wrong angle detection (should use "1/8" instead of "0.4")

Problem 4: 11.5

- Mostly correct but the implementation is inefficient by looping over pixels and channels. -3 pts
- The mistake is when computing the intensity term in the bilateral filter, should sum over the RGB channel use the result along with the spatial term to convolve the image. Rather than only use the R channel intensity when filtering for the R channel. -0.5 pt

Problem 5: 13

- Part (a) is incorrect for the even case. Note that since u is symmetric with W-u, you will need to store W/2 (because W-W/2=W/2). See key. -2

Problem 6: 26

- -2: looping over image indices in im2wv
- -2: looping over image indices in wv2im