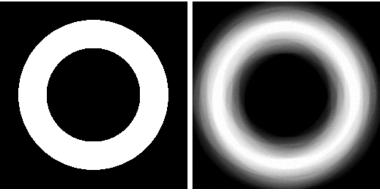
Homework 11

Submission instructions.

- Submissions are due on Tuesday 11/24 at 10.00pm ET. You can submit without penalty till Tuesday 12/01 10pm ET.
- Please upload scans of your solution in GradeScope (via Canvas)

Instructions https://powcoder.com • Please solve all non-MATLAB problems using **only** paper and pen, without resorting to

- Please solve all non-MATLAB problems using **only** paper and pen, without resorting to a computer.
- Please show all recession steps to get the final newer. Example to be overly elaborate. Crisp and complete answers.
- Please post all questions on the discussion board on the Piazza course website
- If you feel some information is missing, you are welcome to make reasonable assumptions and proceed. Sometime Second of the se
- 1. Q1 [Recovering blur kernel] In hw11.mat, there are two variables: imsharp and imblur, which is a buried within of the drmp O4Wve a creat is that the size of blur kernel is 31 × 31. Recover the blur kernel.



(left) Sharp image.

(right) blurred noisy image

Deliverables: 1) A brief discussion of the strategy for recovering blur kernel. 2) Mathematical formulation of the strategy. 3) MATLAB code. 4) Recovered blur kernel visualized using imagesc.

Some notes: 1) Note the sizes of imsharp and imblur. 2) Some measurement noise has been added. The added noise was Gaussian and white.