Homework 4


Use B&W images from “Samples” of the class website: http://imaging.utk.edu/IP. Start with the “rectangle” image and the “a” image.

Test image2transform. Test transform2image. Test image2magtransform.

Implement ILPF, BLPF, GLPF. Select parameters to achieve various degrees of smoothing: low, medium, and high.

Implement IHPF, BHPF, GHLP. Select parameters to achieve various degrees of sharpening: low, medium, and high.

Part B: Due April 27, 2017.

Video and Stills will be provided when you demo Part A. Applying the 6 filters above details will be provided when you demo Part A.


Compile a report. Include detailed flowcharts of the all the tasks that you performed.