# Computer Vision Matlab Lab Point Operations

## CSCI 380 Computer Vision

**Part One:**

Create a single matlab file that contains a *function* that performs each of the following operations. Display the output to a single figure (Please use the supplied sample image on blackboard):

- Increase the brightness of the image by an integer value (this can be a fixed value, no need to input from the user)
- Invert the image
- Transform the image to grayscale
- Threshold the image based on an integer value (note: the image must first be transformed to grayscale)

**Part Two:**

Add a function that will auto-contrast your image, use the modified auto-contrast function as described in section 4.4 (You should also read section 4.3). (The percent value you want to use for 'high' and 'low' is up to you).

Display the output to a *new* figure.

Please note part one and part two should be completed using a single matlab file (.m file).

**Turn-in:**

1. Screenshot the generated part one figure
2. Screenshot the generated part two figure
3. A single .m file containing the scripts from part one and part two.

**Desired Output (Part One):**


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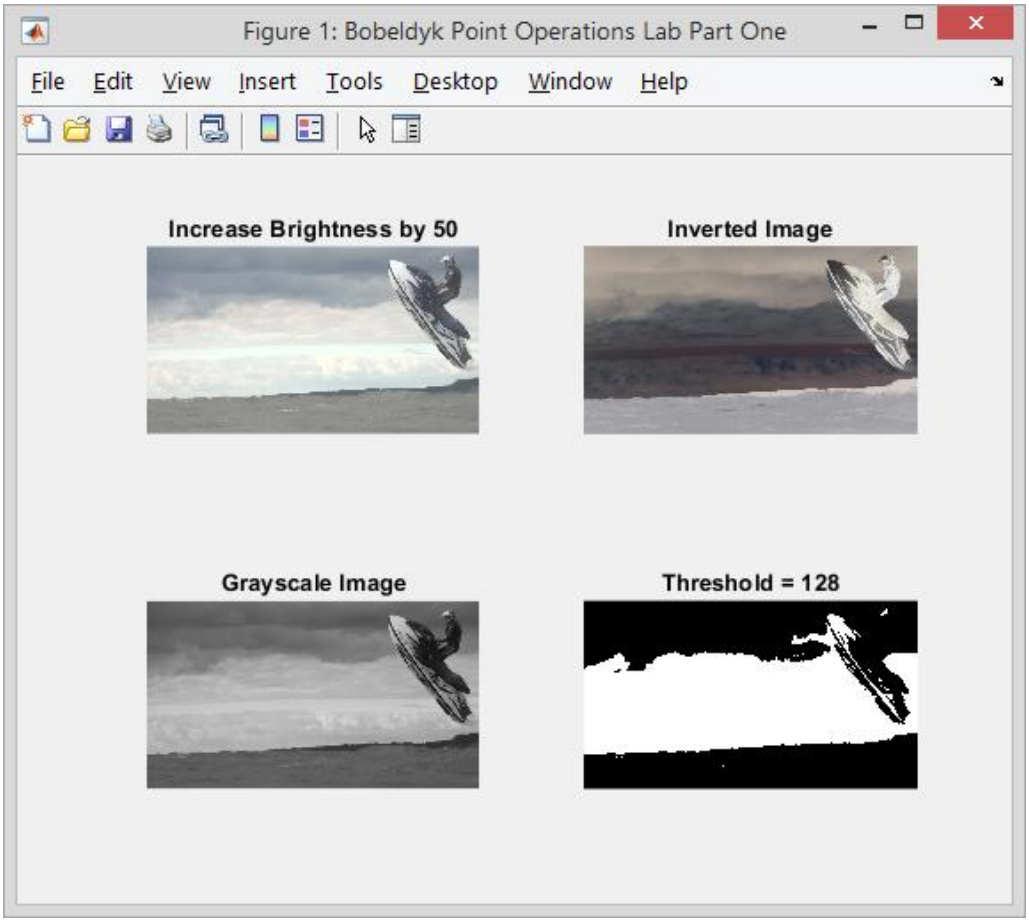


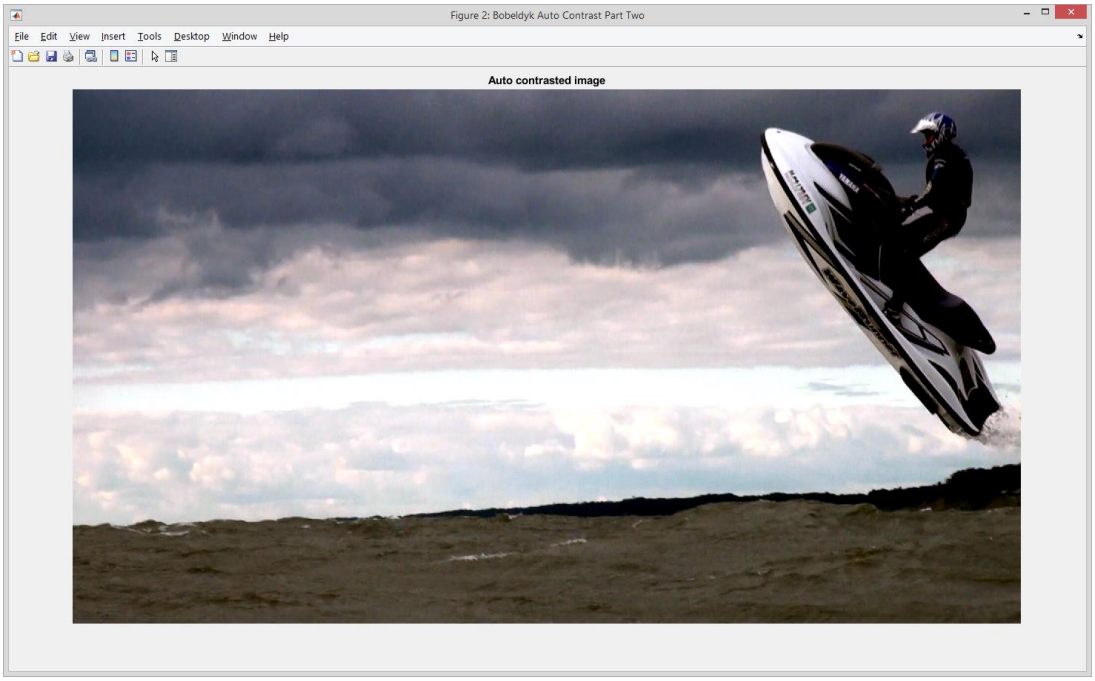



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