CS543 Assignment 2

**Your Name:** <name>

**Your NetId:** <netid>

# Part 1 Hybrid Images:

You will provide the following for ***3 different examples***(1 provided pair, 2 pairs of your own):

* two input images
* two *filtered* input images
* two generated hybrid image (at different resolutions, similar to images C and D above)
* two σ values (one for each filter)

You will provide the following as further discussion overall:

* Explanation of how you chose the σ values
* Discussion of how successful your examples are + any interesting observations

## Example 1:

## Example 2:

## Example 3:

## Discussion:

# Part 2 Scale-Space Blob Detection:

You will provide the following for ***8 different examples***(4 provided, 4 of your own):

* original image
* output of your circle detector on the image
* running time for the "efficient" implementation on this image
* running time for the "inefficient" implementation on this image

You will provide the following as further discussion overall:

* Explanation of any "interesting" implementation choices that you made.
* Discussion of optimal parameter values or ones you have tried

## Example 1:

## Example 2:

## Example 3:

## Example 4:

## Example 5:

## Example 6:

## Example 7:

## Example 8:

## Discussion:

# Bonus:

## Hybrid Images Extra Credit

* Discussion and results of any extensions or bonus features you have implemented for Hybrid Images

## Blob-Detection Extra Credit

* Discussion and results of any extensions or bonus features you have implemented for Blob-Detection