

407 Comp Lab 2

Create some types of images:

1-Generate a gray scale image

2-Generate a black and white image

3- Generate a colored image

4-Make a code to resize the image (shrink) into half (similar to the MATLAB function `imresize(I,1/2)`)

5-Make similar code to resize the image (zoom) into 1.5 (similar to the MATLAB function `imresize(I,3/2)`)

6- try the following: Image Conversion

- `gray2ind` - intensity image to index image
- `im2bw` - image to binary
- `im2double` - image to double precision
- `im2uint8` - image to 8-bit unsigned integers
- `ind2gray` - indexed image to intensity image
- `mat2gray` - matrix to intensity image
- `rgb2gray` - RGB image to grayscale
- `rgb2ind` - RGB image to indexed image