

#5

imageHist4e(f,mode)

- i. Write a function **`g=imagehist4e(f,mode)`**, for computing the histogram of a 256-level grayscale image, **`f`**, whose intensities are nonnegative. If **`mode='n'`** the histogram should be normalized (this is the default). Otherwise, if **`mode='u'`**, the histogram should be unnormalized.

#5

histEqual4e(f)

- ii. Write a function **g=histEqual4e(f)**, for performing histogram equalization on 8-bit input image.
- iii. Test the functions **imagehist4e** (using mode='n') and **histEqual4e** with the images **rose1024.tif**, **spillway-dark.tif** and **hidden-horse.tif**.
- iv. What conclusions about image appearance can you draw from this histogram?

What should be uploaded?

- Main script that call and execute the function;
- m file (commented);
- Images obtained and conclusions about image appearance.
- Report.