

Reading assignment: Your notes and files posted on the web

Review papers on web campus

Homework 1 (30 points)

- 1) Use Lenna Image (on web campus) to (i) convert color to gray scale, (ii) downsample the image (comments on the results) 3 times to build a pyramid, (iii) Quantize the original gray scale image and comment on the results.
- 2) Use the valley and the chest x-ray image, apply image enhancement, and show the histogram before and after histogram equalization.
- 3) Use the image called "nature.JPG," and enhance to find something interesting. Plot original and revised histogram.