Advanced Image Processing Lab.

Lab. 0. Getting Started

0.1. Registering for the Lab. on Unix work stations. Software package for the Labs. Test signal and image data base. Lab Webb site.

0.2. Basics of Matlab. Mastering main Matlab signal and image processing functions: Matlab data format, generating 1-D and 2-D arrays of numbers, Matlab functions: conv.m; conv2.m; fft.m; fft2.m; image.m; kron.m.

0.3. Write programs (m-files) for generating test images: step-wedge image; 2-D sinusoidal images with arbitrary orientation (spatial frequency); images of simple geometrical figures (rectangle, triangle, hexagonal, circle, ring)

Submit: programs and printouts of generated images