

Intro to Computer Vision - Assignment #1

Edge Detection

Due: October 12th

For this programming assignment you will implement Canny's edge detection algorithm as described in class and the handout available on the webpage.

There are some C++ image manipulation routines on the webpage that implement a simple image datatype and take care of loading/saving images.

Your program should take as input a grayscale image and the edge detection parameters (sigma for the gaussian convolution and the gradient magnitude threshold). The output should be a binary image.

You should turn in your source code and the result of running your program on the test images that are on the class webpage.