

CAP 5415 PROGRAMMING ASSIGNMENT

QUESTION 1: IMPLEMENTING CANNY EDGE DETECTION ALGORITHM

(a) Code -

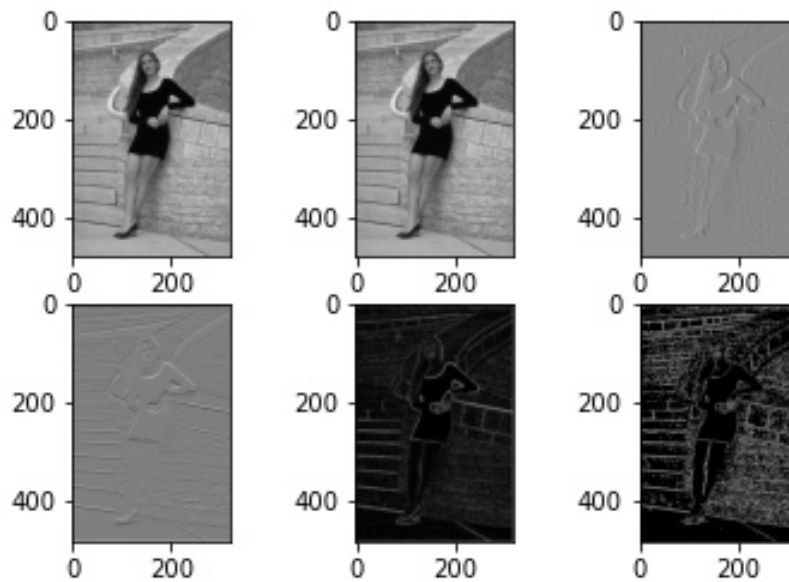
<https://drive.google.com/drive/folders/13UMox4Qpw527m67RcFy7VZe3BJTEMtdq?usp=sharing>

(b)



1) Original Grayscale image

2) $\text{SIGMA} = 2.5$



SIGMA = 1.0



SIGMA = 2.8



SIGMA = 3.0



I have observed that the larger values of sigma produces coarser edges and small values of sigma produces thinner edges.