

IMG 41004 | Kernel Size: 5 | Sigma: 1 | Low Threshold: 14 | High Threshold: 16

X Conv



Y Conv



X Conv Derivative



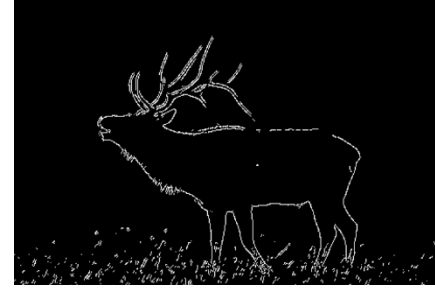
Y Conv Derivative



Gradient Magnitude



Hysteresis Thresholding



Non-Max Suppression



Original Greyscale



IMG 41004 | Kernel Size: 5 | Sigma: 2 | Low Threshold: 14 | High Threshold: 16

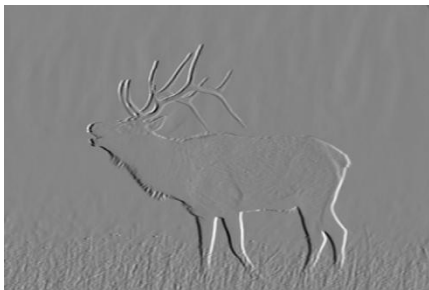
X Conv



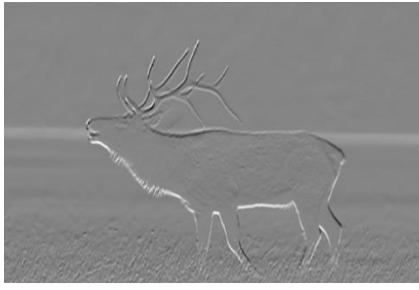
Y Conv



X Conv Derivative



Y Conv Derivative



Gradient Magnitude



Hysteresis Thresholding



Non-Max Suppression



Original Greyscale



IMG 41004 | Kernel Size: 5 | Sigma: 3 | Low Threshold: 14 | High Threshold: 16

X Conv



X Conv Derivative



Gradient Magnitude



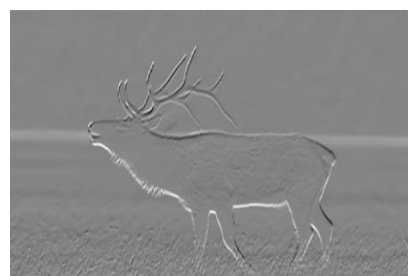
Non-Max Suppression



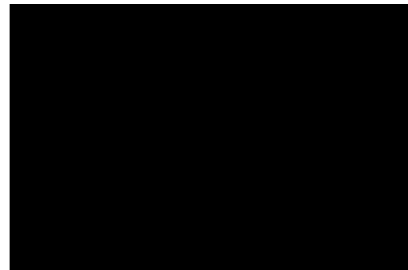
Y Conv



Y Conv Derivative



Hysteresis Thresholding



Original Greyscale



IMG 35070 | Kernel Size: 5 | Sigma: 1 | Low Threshold: 5 | High Threshold: 10

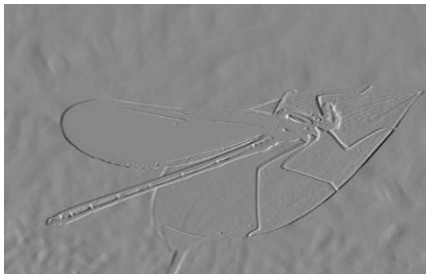
X Conv



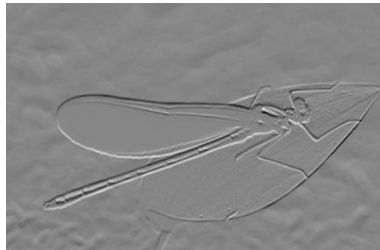
Y Conv



X Conv Derivative



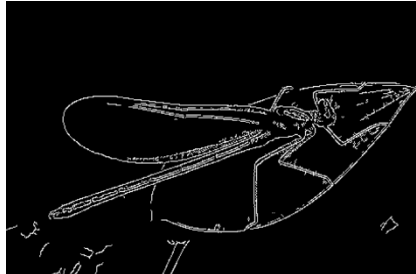
Y Conv Derivative



Gradient Magnitude



Hysteresis Thresholding



Non-Max Suppression



Original Greyscale



IMG 35070 | Kernel Size: 5 | Sigma: 2 | Low Threshold: 5 | High Threshold: 10

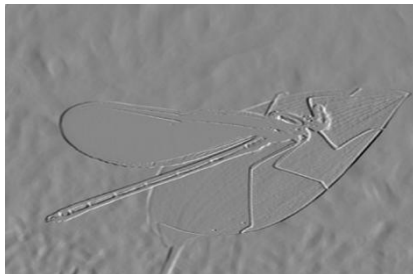
X Conv



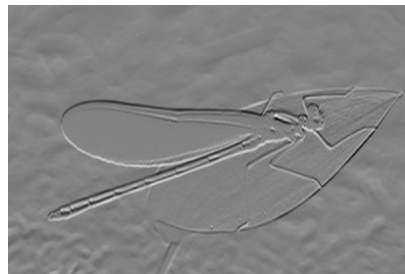
Y Conv



X Conv Derivative



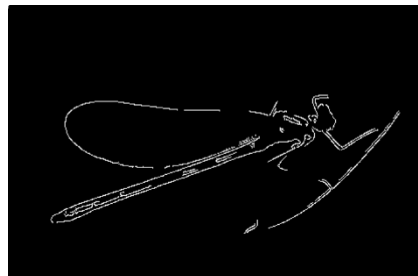
Y Conv Derivative



Gradient Magnitude



Hysteresis Thresholding



Non-Max Suppression



Original Greyscale



IMG 35070 | Kernel Size: 5 | Sigma: 3 | Low Threshold: 5 | High Threshold: 10

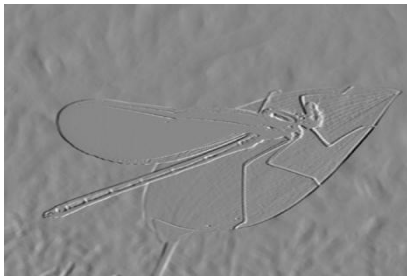
X Conv



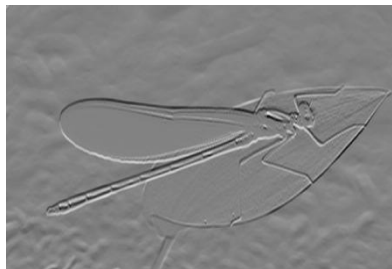
Y Conv



X Conv Derivative



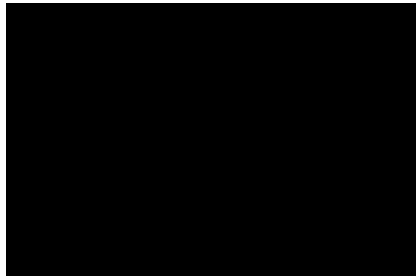
Y Conv Derivative



Gradient Magnitude



Hysteresis Thresholding



Non-Max Suppression



Original Greyscale



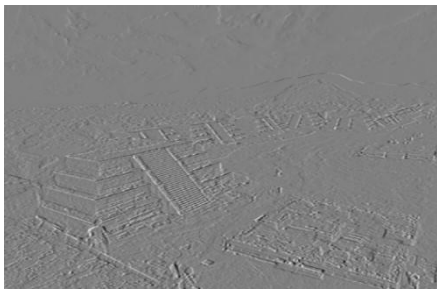
Ehsan Ayoubi
CAP 5415 – Computer Vision
Programming Assignment 1

IMG 33066 | Kernel Size: 5 | Sigma: 1 | Low Threshold: 20 | High Threshold: 23

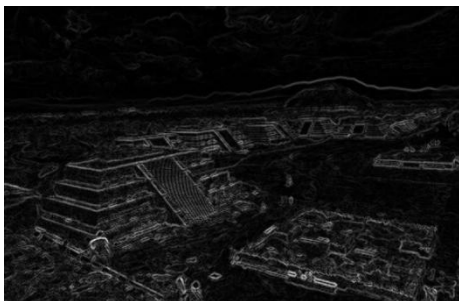
X Conv



X Conv Derivative



Gradient Magnitude



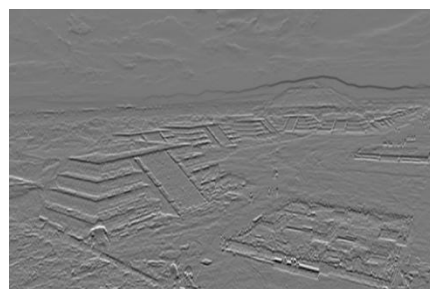
Non-Max Suppression



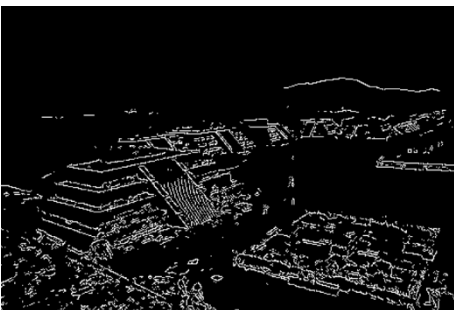
Y Conv



Y Conv Derivative



Hysteresis Thresholding



Original Greyscale

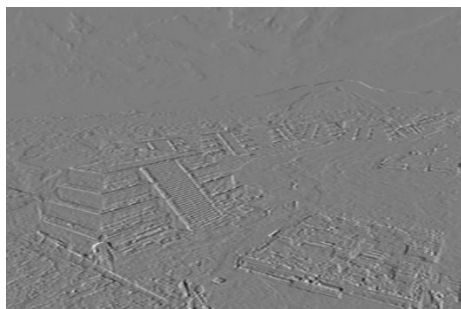


IMG 33066 | Kernel Size: 5 | Sigma: 2 | Low Threshold: 20 | High Threshold: 23

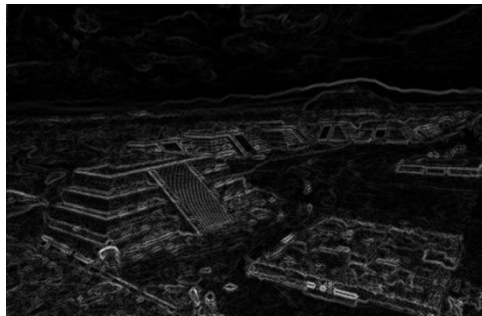
X Conv



X Conv Derivative



Gradient Magnitude



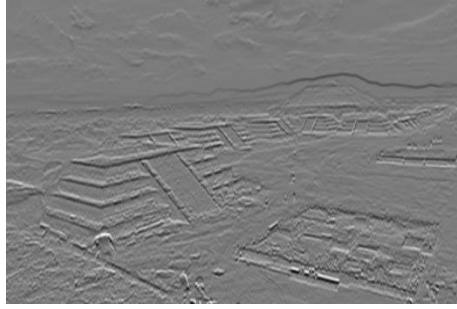
Non-Max Suppression



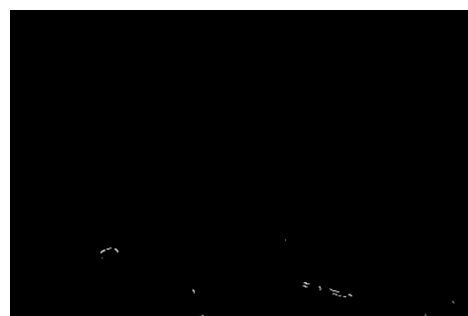
Y Conv



Y Conv Derivative



Hysteresis Thresholding



Original Greyscale



IMG 33066 | Kernel Size: 5 | Sigma: 3 | Low Threshold: 20 | High Threshold: 23

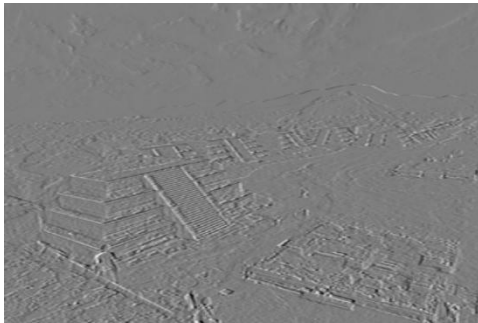
X Conv



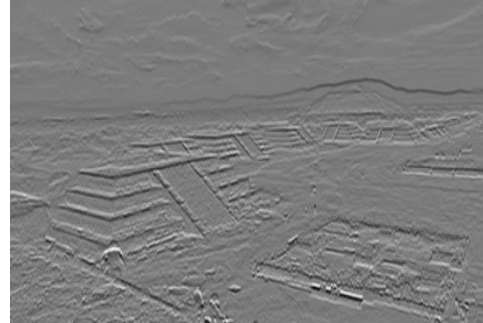
Y Conv



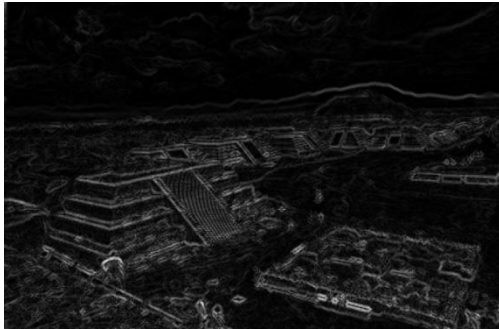
X Conv Derivative



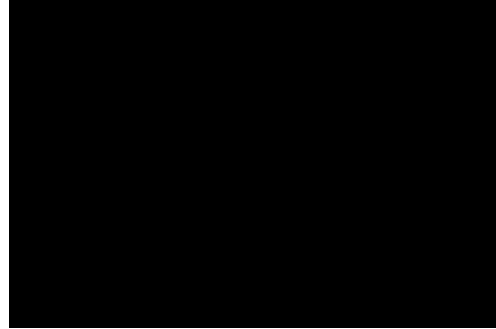
Y Conv Derivative



Gradient Magnitude



Hysteresis Thres holding



Non-Max S uppression



Original Greyscale

