

HW2: Problem 2

Ian Dover

1 Convert Image to Greyscale

Image converted to greyscale:



Figure 1: Greyscale image.

2 Part 1

2.1 Sobel Threshold: 10

Use the sobel operator on the image with a threshold of 10:

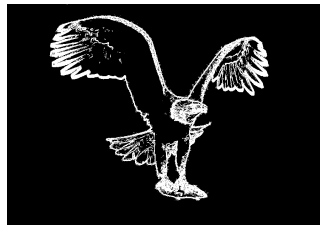


Figure 2: Sobel threshold of 10.

2.2 Sobel Threshold: 50

Use the sobel operator on the image with a threshold of 50:

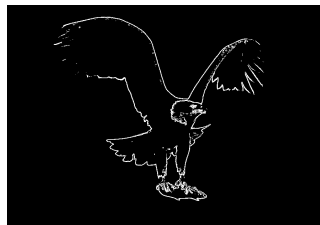


Figure 3: Sobel threshold of 50.

2.3 Sobel Threshold: 100

Use the sobel operator on the image with a threshold of 100:

2.4 Sobel Threshold: 150

Use the sobel operator on the image with a threshold of 150:



Figure 4: Sobel threshold of 100.



Figure 5: Sobel threshold of 150.

2.5 Sobel Threshold: 200

Use the sobel operator on the image with a threshold of 200:

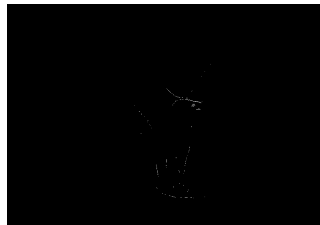


Figure 6: Sobel threshold of 200.

2.6 Sobel Threshold: 255

Use the sobel operator on the image with a threshold of 255:

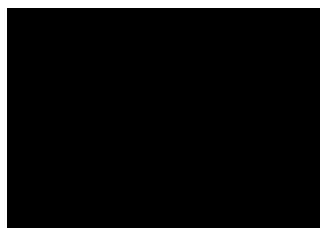


Figure 7: Sobel threshold of 255.