Deploy

Parameters for: Canny

The most robust and widely used edge detector.

Gaussian Blur: Controls noise and detail level.

Sigma (Gaussian Blur)

1.00

Kernel Size (Gaussian Blur)

5

Thresholds: Defines which gradients are considered edges.

Lower Threshold (T1)

50

Upper Threshold (T2)

150

Input: Original Image

Original Image: download.jpg

Output: Edge Detected Image

Result using Canny Algorithm

Deploy

Parameters for: Canny

The most robust and widely used edge detector.

Gaussian Blur: Controls noise and detail level.

Sigma (Gaussian Blur)

2.00

Kernel Size (Gaussian Blur)

7

Thresholds: Defines which gradients are considered edges.

Lower Threshold (T1)

100

Upper Threshold (T2)

140

Input: Original Image

Original Image: download.jpg

Output: Edge Detected Image

Result using Canny Algorithm

Deploy

Parameters for: Canny

The most robust and widely used edge detector.

Gaussian Blur: Controls noise and detail level.

Sigma (Gaussian Blur)

3.00

Kernel Size (Gaussian Blur)

9

Thresholds: Defines which gradients are considered edges.

Lower Threshold (T1)

130

Upper Threshold (T2)

150

Input: Original Image

Original Image: download.jpg

Output: Edge Detected Image

Result using Canny Algorithm

Algorithm Selection & Parameters

Select Edge Detection Algorithm:

- Canny
- Sobel
- Laplacian

Parameters for: Laplacian

Second-order derivative operator, often highlights noisy details.

Kernel Size (Aperture)

1

Input: Original Image

Original Image: download.jpg

Output: Edge Detected Image

Result using Laplacian Algorithm

Deploy

Algorithm Selection & Parameters

Select Edge Detection Algorithm:

- Canny
- Sobel
- Laplacian

Parameters for: Laplacian

Second-order derivative operator, often highlights noisy details.

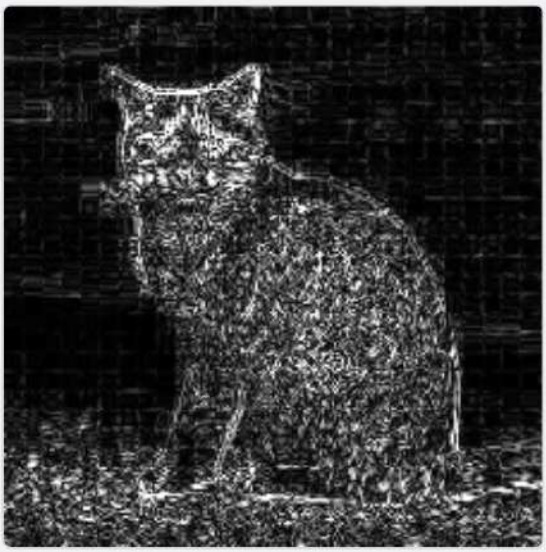
Kernel Size (Aperture)

3

Input: Original Image

Original Image: download.jpg

Output: Edge Detected Image



Result using Laplacian Algorithm

Algorithm Selection & Parameters

Select Edge Detection Algorithm:

- ○ Canny
- ○ Sobel
- ◉ Laplacian

Parameters for: Laplacian

Second-order derivative operator, often highlights noisy details.

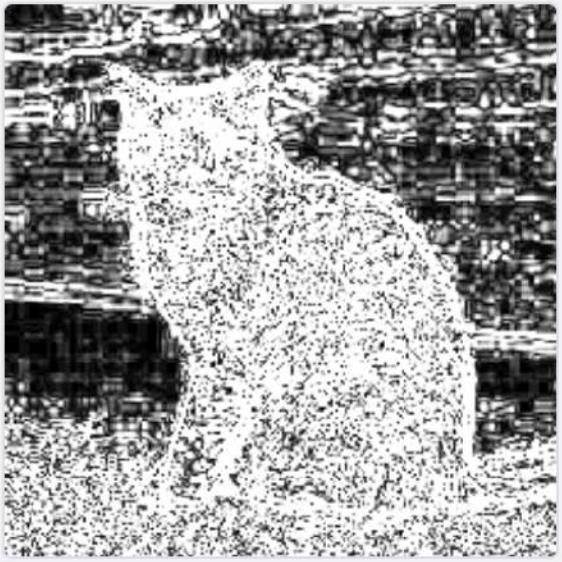
Kernel Size (Aperture)

5

Input: Original Image

Original Image: download.jpg

Output: Edge Detected Image



Result using Laplacian Algorithm

Select Edge Detection Algorithm:

- ○ Canny
- ◉ Sobel
- ○ Laplacian

Parameters for: Sobel

Gradient-based detector, sensitive to noise.

Kernel Size (Aperture)

3

Gradient Direction:

- ○ Both X and Y (Magnitude)
- ◉ X-Gradient
- ○ Y-Gradient

Input: Original Image

Original Image: download.jpg

Output: Edge Detected Image

Result using Sobel Algorithm

Select Edge Detection Algorithm:

- ○ Canny
- ◉ Sobel
- ○ Laplacian

Parameters for: Sobel

Gradient-based detector, sensitive to noise.

Kernel Size (Aperture)

5

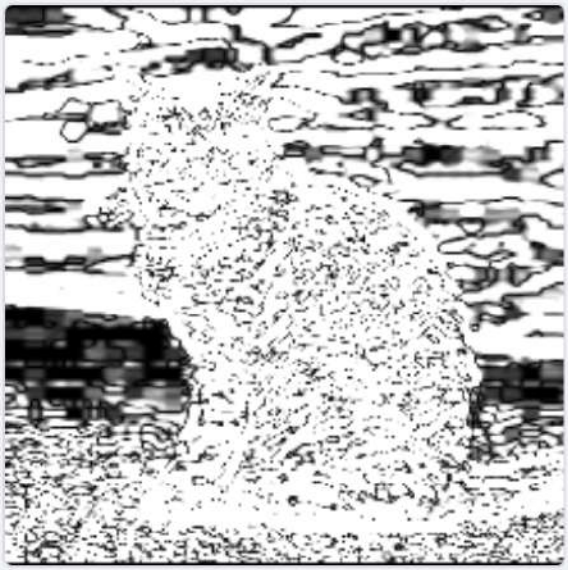
Gradient Direction:

- ○ Both X and Y (Magnitude)
- ○ X-Gradient
- ◉ Y-Gradient

Input: Original Image

Original Image: download.jpg

Output: Edge Detected Image



Result using Sobel Algorithm

Select Edge Detection Algorithm:

- ○ Canny
- ◉ Sobel
- ○ Laplacian

Parameters for: Sobel

Gradient-based detector, sensitive to noise.

Kernel Size (Aperture)

5

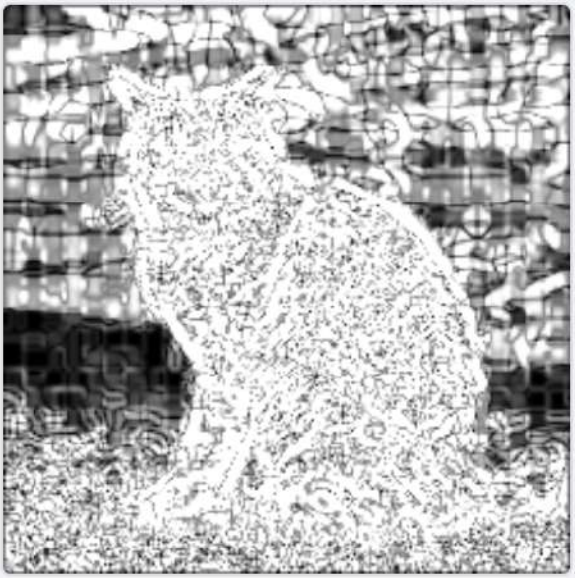
Gradient Direction:

- ◉ Both X and Y (Magnitude)
- ○ X-Gradient
- ○ Y-Gradient

Input: Original Image

Original Image: download.jpg

Output: Edge Detected Image



Result using Sobel Algorithm