```
%Edge detection using canny edge detector
```

```
I = imread('edge.jpg')
```

I = 5×5 uint8 matrix
```
    42    46    97   171   191
    43    47    98   172   191
    43    47   100   173   191
    42    46   100   175   191
    42    46   101   176   192
```
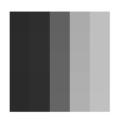
```
imshow(I, InitialMagnification=2000);
```



```
edge_img = edge(I, 'canny')
```

edge_img = 5×5 logical array
```
    0    0    0    0    0
    0    0    1    0    0
    0    0    1    0    0
    0    0    1    0    0
    0    0    0    0    0
```

```
imshow(edge_img, InitialMagnification=2000)
title('Canny Edge')
```


Canny Edge