
Edgefactors

```
clc;
clear all;
img=imread('coral.jpg');
myimg=rgb2gray(img);
subplot(3,3,1),imshow(img),title('original image');

%sobel,perwitt,canny,laplacian

sobelz=edge(myimg,'sobel','horizontal');
subplot(3,3,2),imshow(sobelz,[]),title('horizontal');

sobelzb=edge(myimg,'sobel','both');
subplot(3,3,3),imshow(sobelzb,[]),title(' both image');

rz=edge(myimg,'roberts');
subplot(3,3,4),imshow(rz,[]),title('roberts');

pr=edge(myimg,'prewitt');
subplot(3,3,5),imshow(pr,[]),title('prewitt');

f=fspecial('laplacian');
laped=imfilter(myimg,f,'symmetric');
subplot(3,3,6),imshow(laped,[]),title('laplacian');

ca=edge(myimg,'canny');
subplot(3,3,7),imshow(ca,[]),title('canny');
```

original image



horizontal



both image



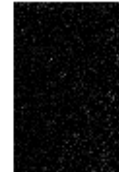
roberts



prewitt



laplacian



canny



Published with MATLAB® R2020b