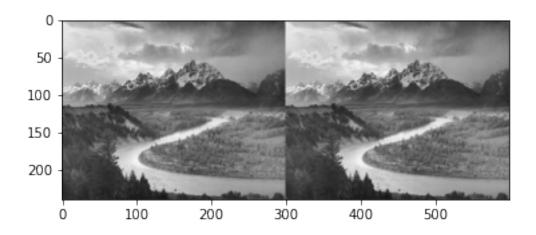
Assignment-1

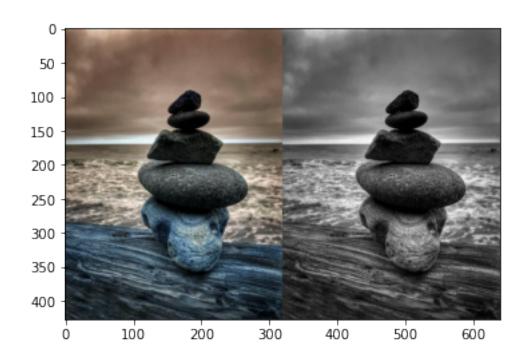
November 17, 2020

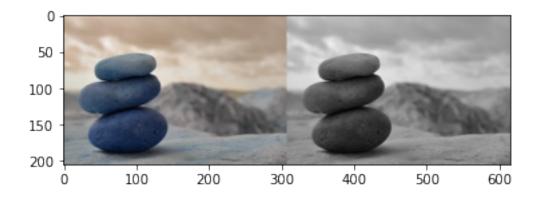
```
[1]: import sys
sys.path.insert(0, '/home/abrar/python_ws/cv/assignment1')
import assignment_1 as a1
```

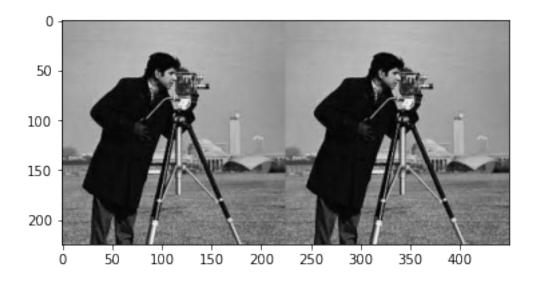
[2]: a1.reading()

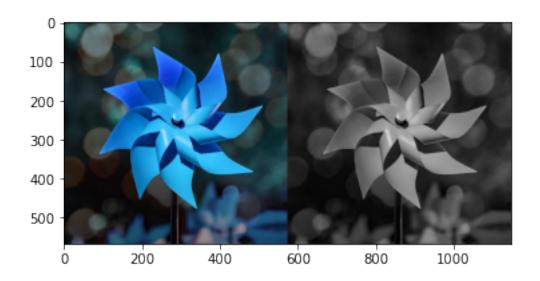


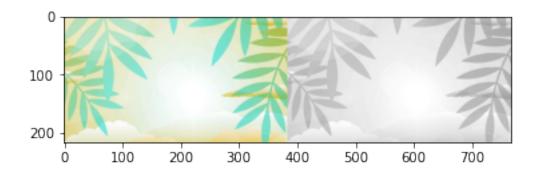


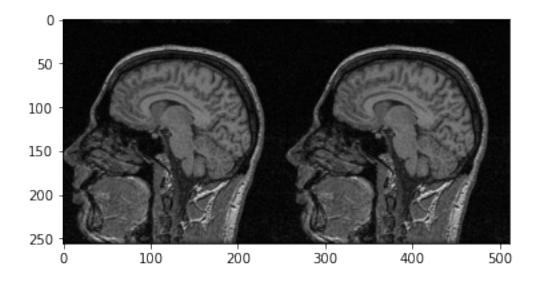


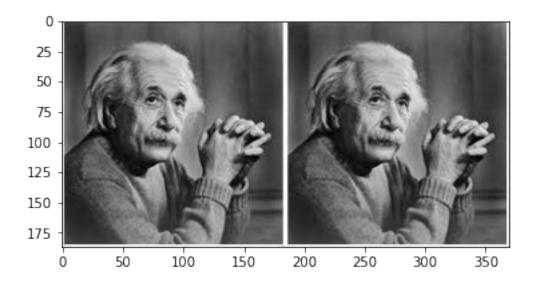






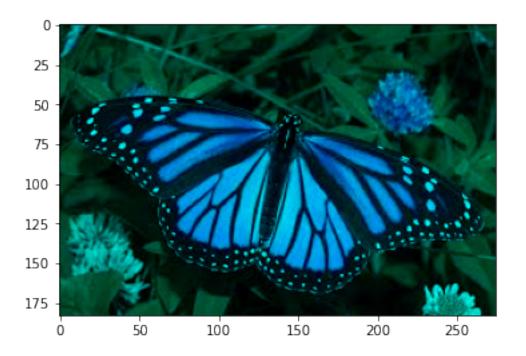




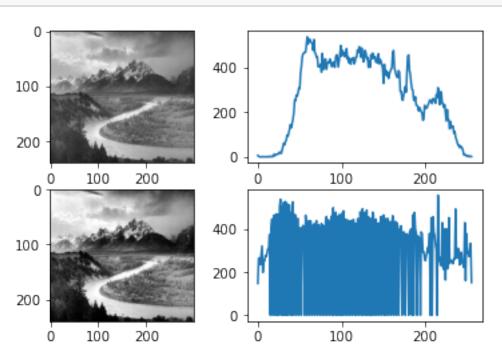


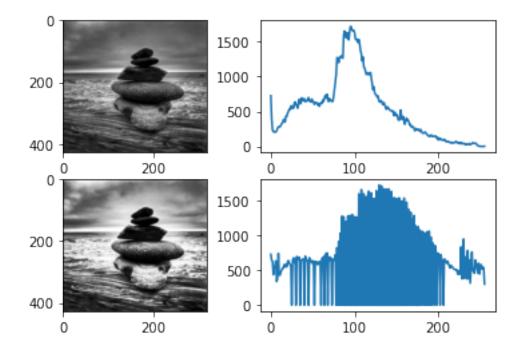
[3]: a1.rgbExclusion()

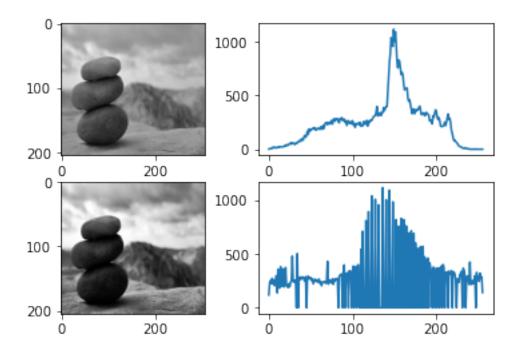
Enter Colour to Exclude:r

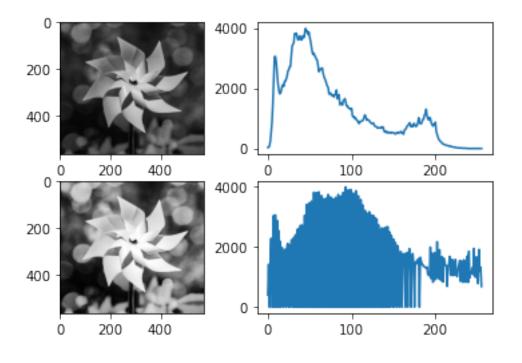


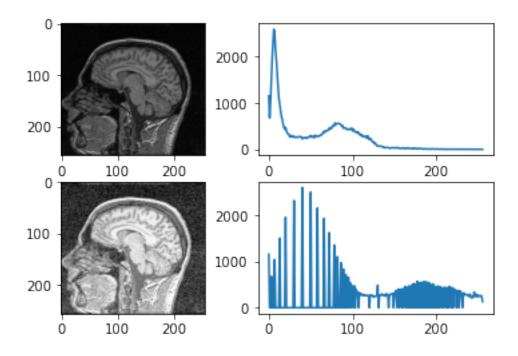
[4]: a1.histogram()

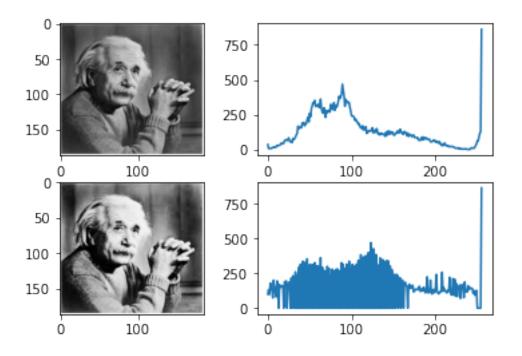








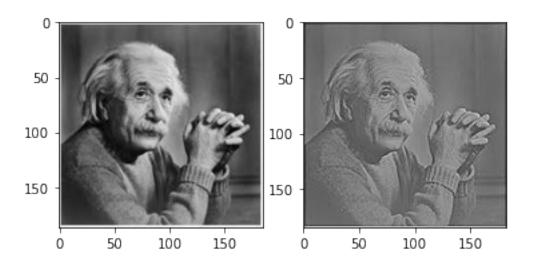




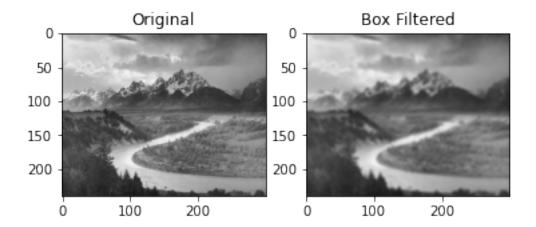
[5]: a1.conv()

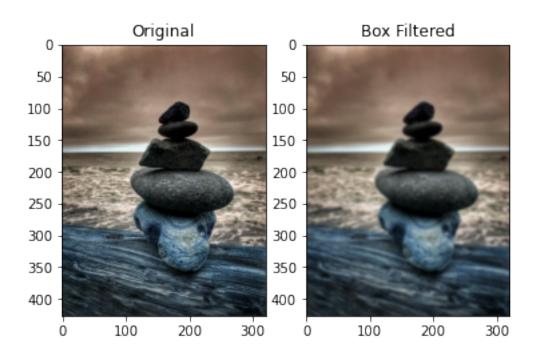
Enter Image Path('def' for default image): def
Enter Type of Convolution('sharpen' or 'smooth'): sharpen

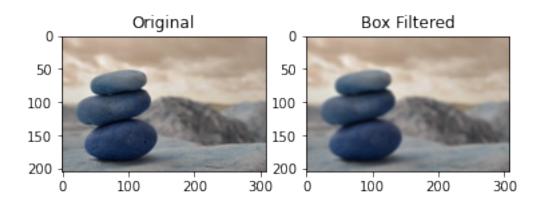
Image is sharpened

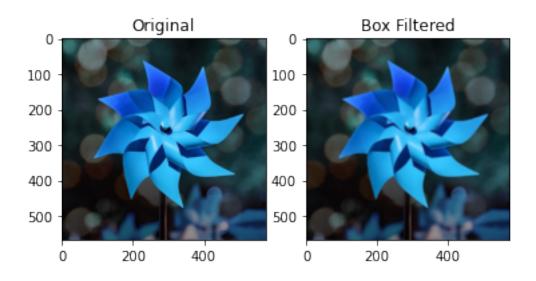


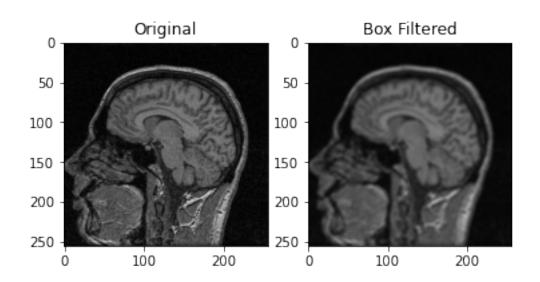
[6]: a1.box()

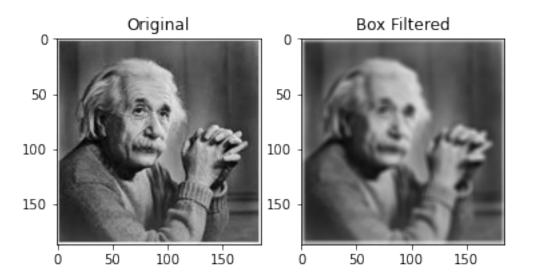






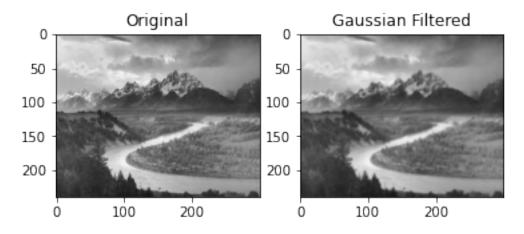


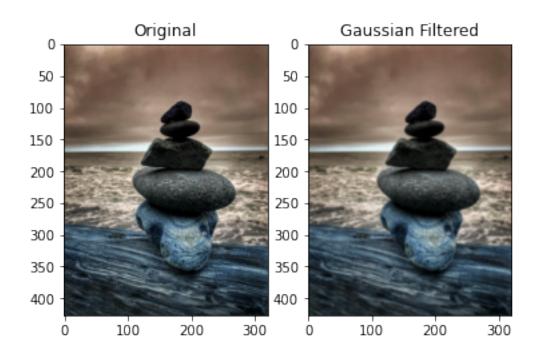


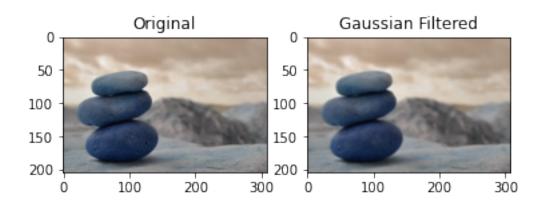


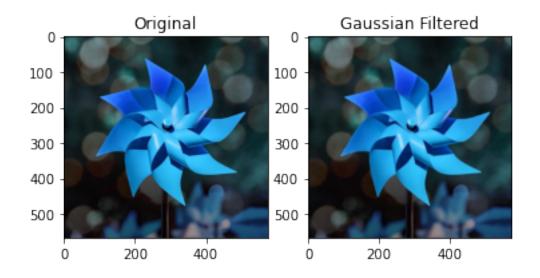
[7]: a1.gaus()

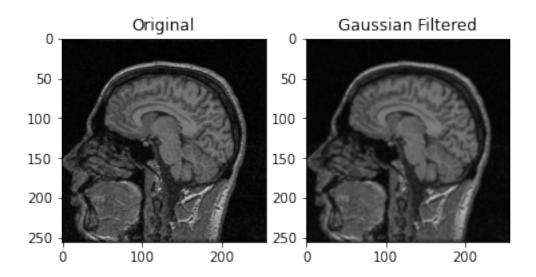
Enter sigma value for filter= 10

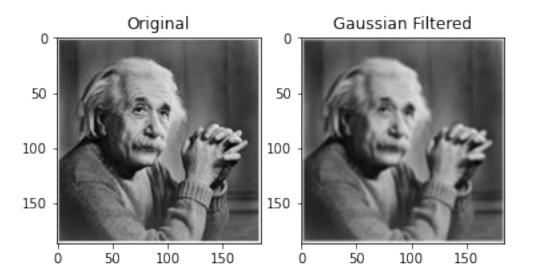






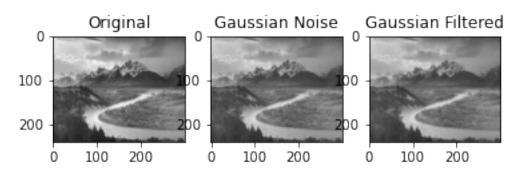


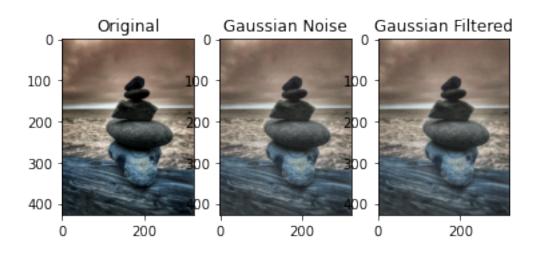


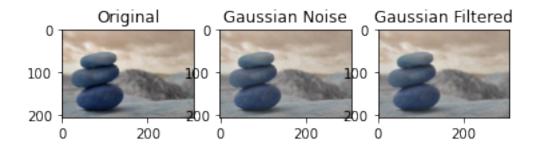


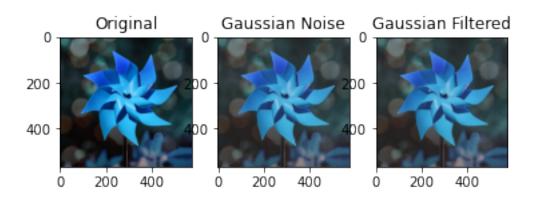
[8]: a1.gausnoise()

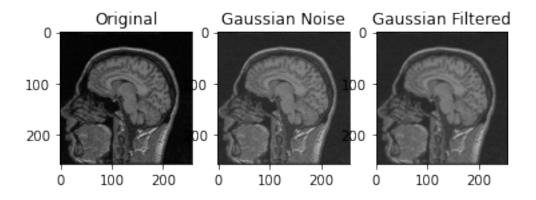
Enter sigma value for noise= 10

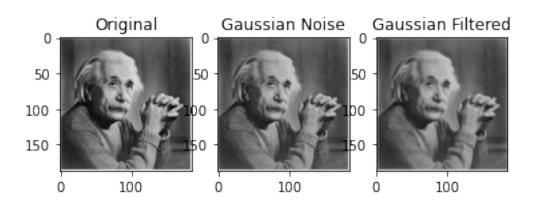






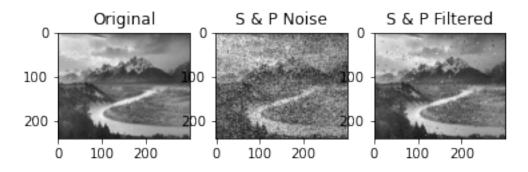


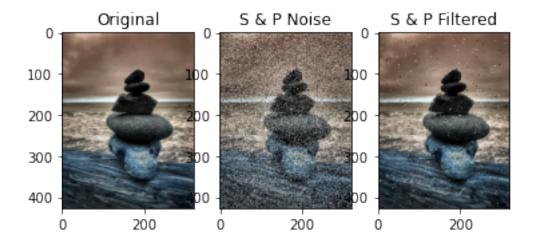


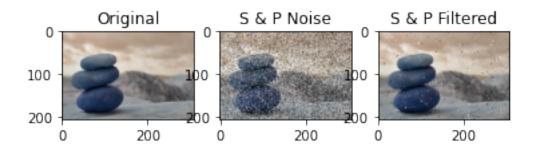


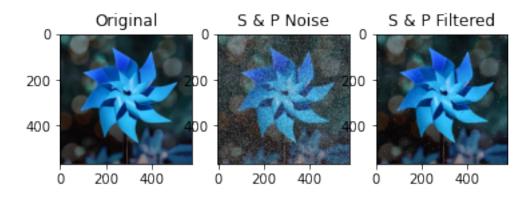
[9]: a1.saltandpepper()

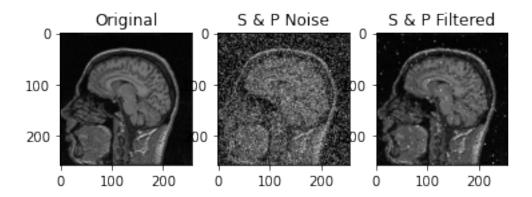
Enter probability of S&P Noise= 0.3

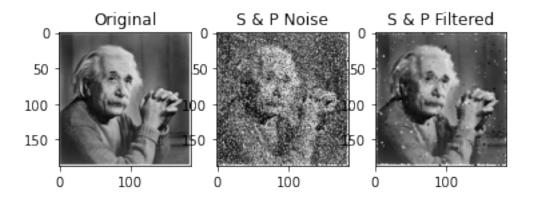






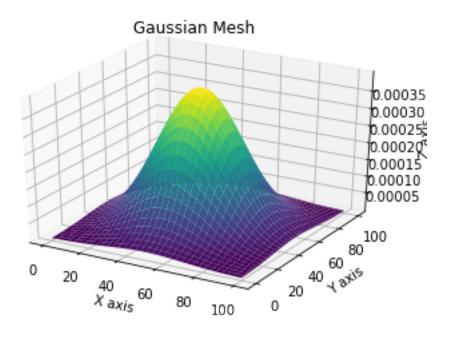




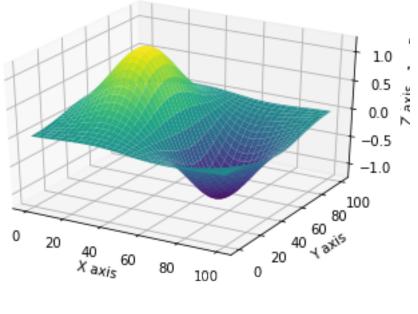


[2]: a1.mesh()

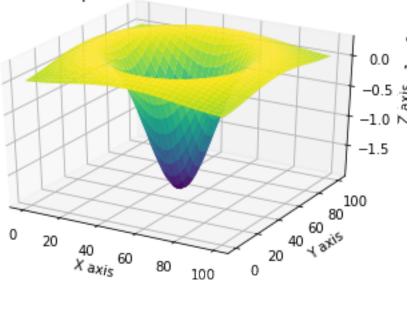
Enter sigma value for mesh plots= 20



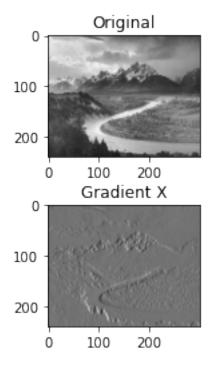
First Order X Derivative of Gaussian Mesh

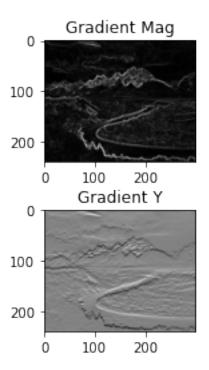


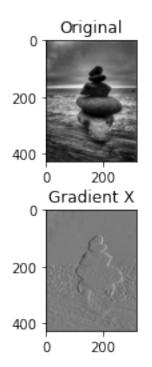


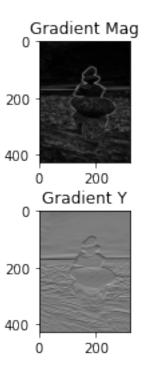


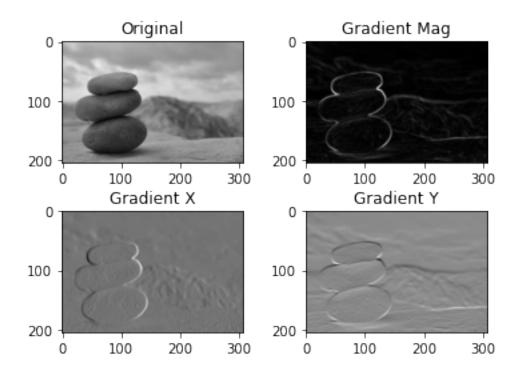
[11]: a1.sobel()

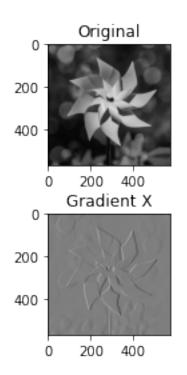


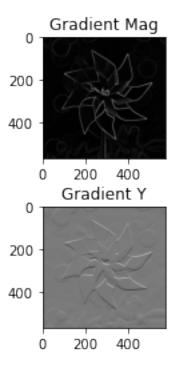


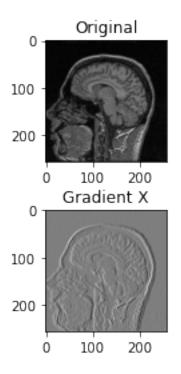


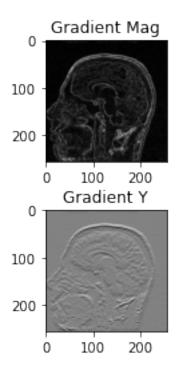


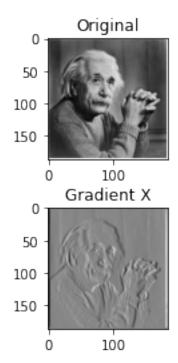


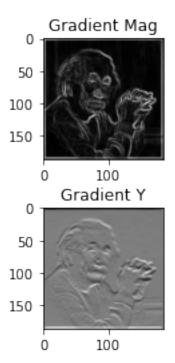




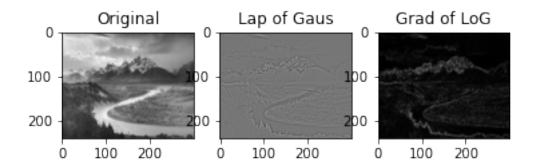


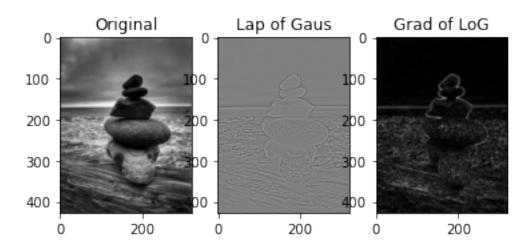


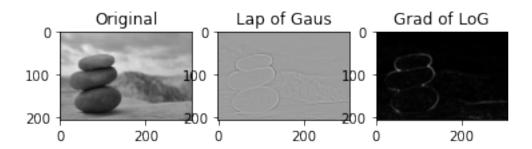


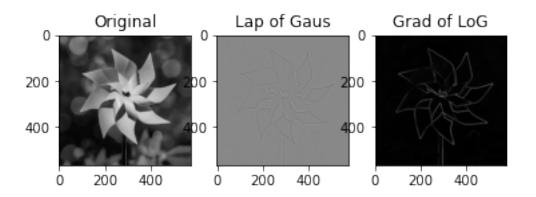


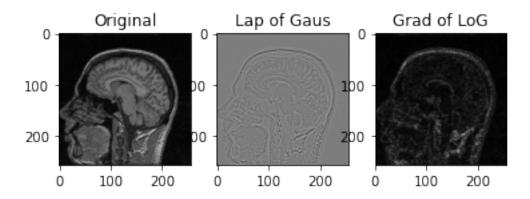
[12]: a1.LoG()

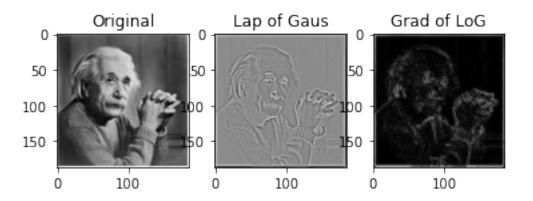




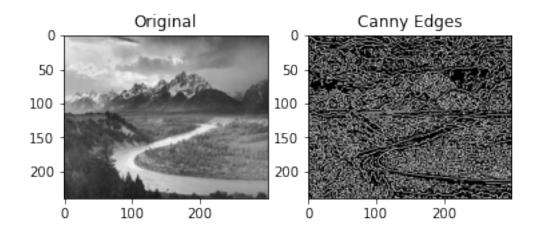


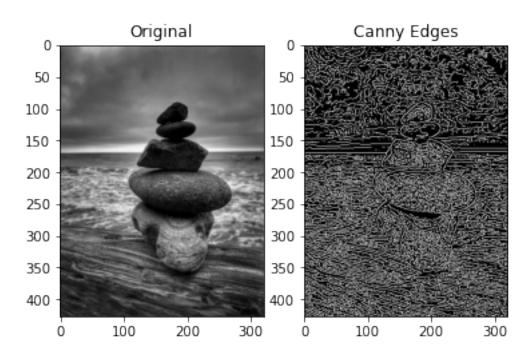


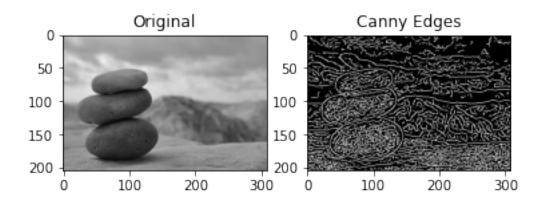


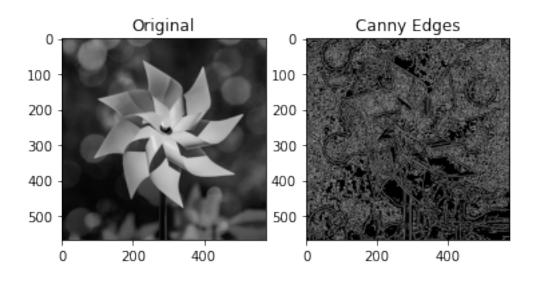


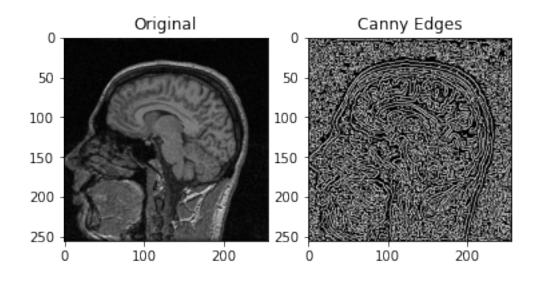
[2]: a1.canny()

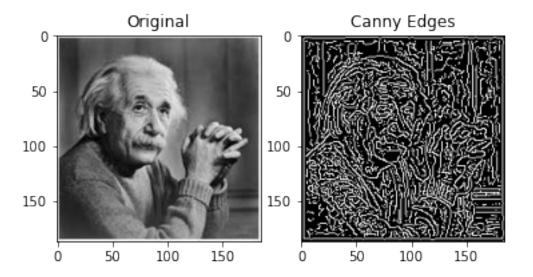




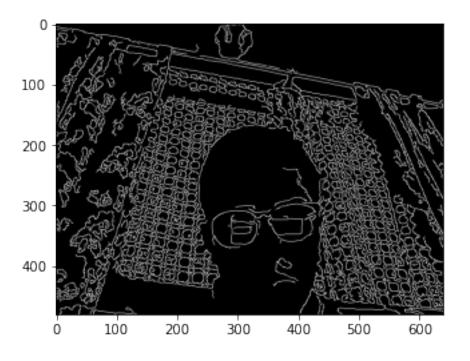


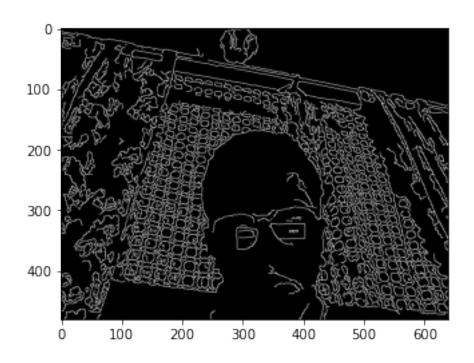


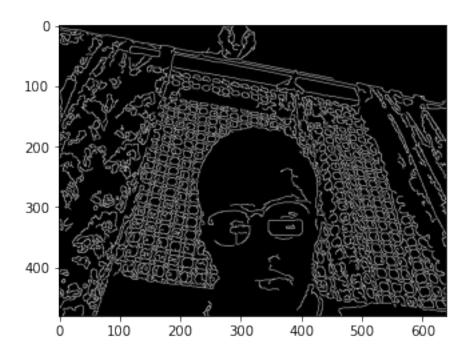


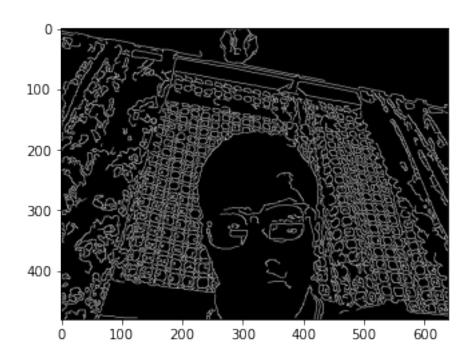


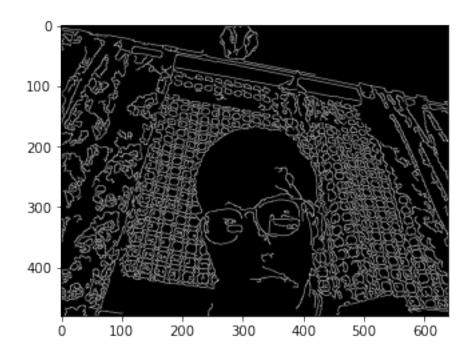
[2]: a1.cannyvid()

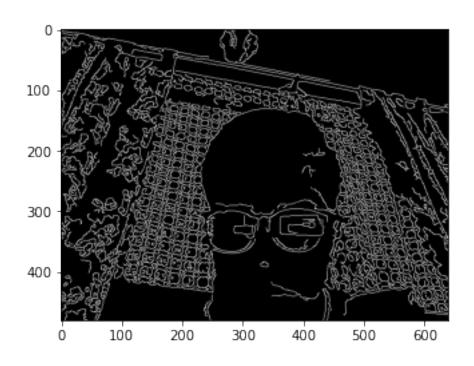


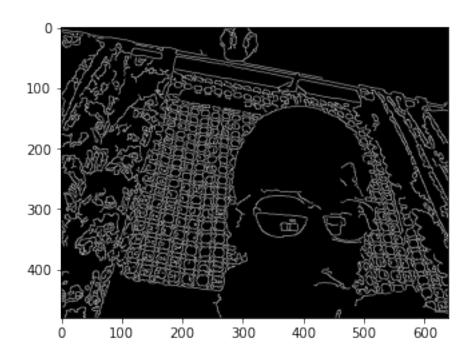


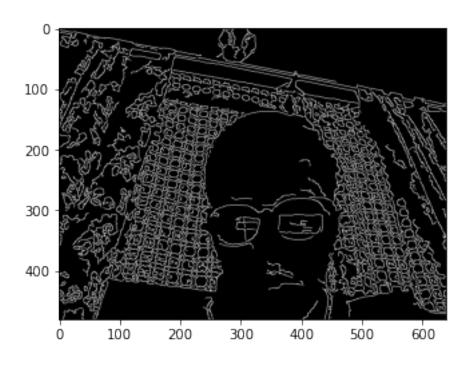


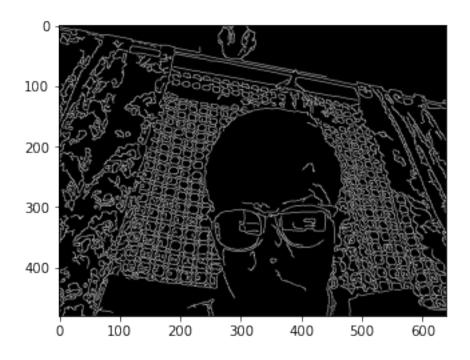


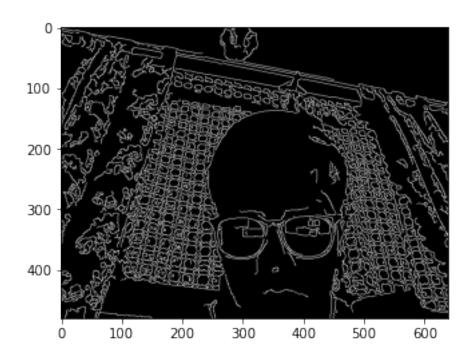


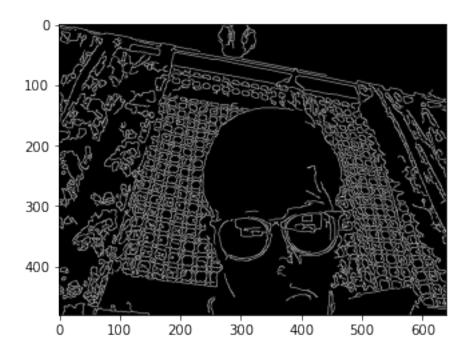


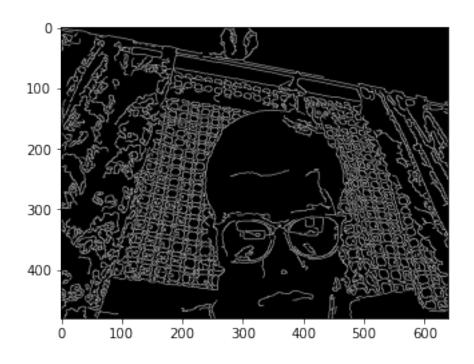


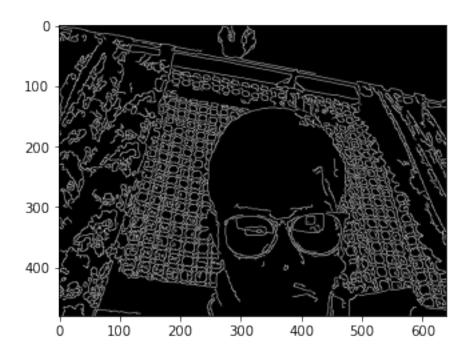


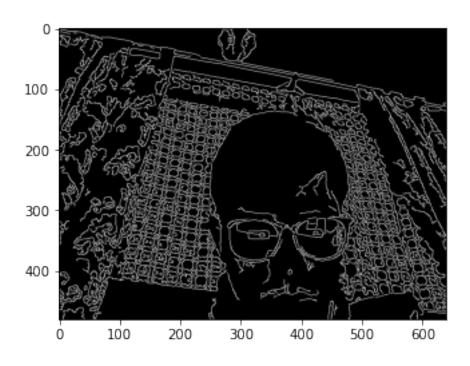


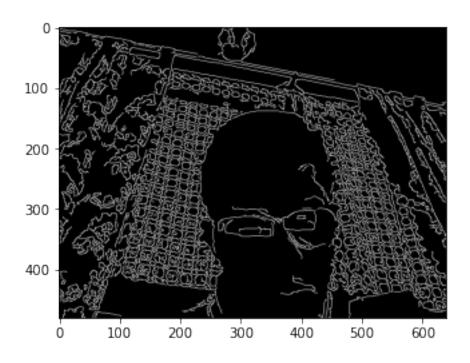


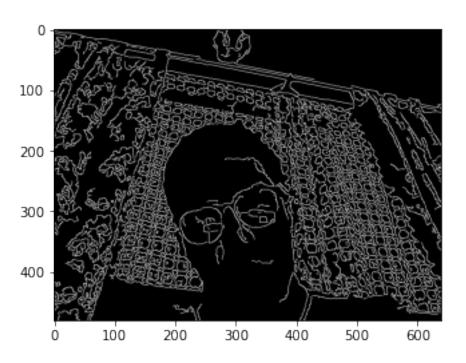












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