Computer vision Homework8

Noise Removal

1. gaussian noise, amplitude = 10 SNR = 13.6018



Box_3x3, SNR = 17.2905

Box_5x5, SNR = 14.1521

Median_3x3, SNR = 17.0723



Median_5x5, SNR = 13.5204



Opening-closing, SNR = 12.6453



Closing-opening, SNR = 12.9733







2. gaussian noise, amplitude =30, SNR = 2.19428



Box_3x3, SNR = 10.0534

Box_5x5, SNR = 10.6605

Median_3x3, SNR = 12.4197



Median_5x5, SNR = 9.5826



Opening-closing, SNR = 7.12942



Closing-opening, SNR = 6.71576







3. salt-and-pepper noise, probability =0.1, SNR = -2.10496



Box_3x3, SNR = 6.65619

Box_5x5, SNR = 8.5079

Median_3x3, SNR = 16.5337



Median_5x5, SNR = 12.9768



Opening-closing, SNR = -2.84523 Closing-opening, SNR = -3.13575









4. salt-and-pepper noise, probability =0.05, SNR = 0.871399



Box_3x3, SNR = 9.64565

Box_5x5, SNR = 10.8934

Median_3x3, SNR = 18.0151



Median_5x5, SNR = 13.9951



Opening-closing, SNR = 2.97874



Closing-opening, SNR = 2.44513





