

Computer Vision HW#8 R08942125 廖克允

1. Gaussian noise with amplitude=10



Gaussian noise with amplitude=10, SNR = 13.577



Box_3x3, SNR = 17.731



Box_5x5, SNR = 14.857



Median_3x3, SNR = 17.651



Median_5x5, SNR = 15.986



Opening-then-closing, SNR = 13.246



Closing-then-opening, SNR = 13.587

2. Gaussian noise with amplitude=30



Gaussian noise with amplitude=30, SNR = 4.179



Box_3x3, SNR = 12.610



Box_5x5, SNR = 13.311



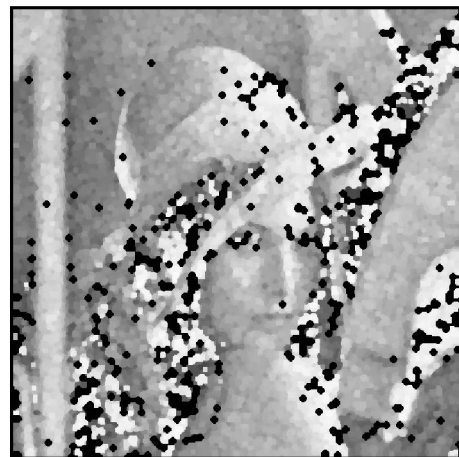
Median_3x3, SNR = 11.068



Median_5x5, SNR = 12.923



Opening-then-closing, SNR =11.107



Closing-then-opening, SNR =11.161

3. salt-and-pepper noise with probability=0.1



Gaussian noise with amplitude=30, SNR = -2.133



Box_3x3, SNR = 6.250



Box_5x5, SNR = 8.213



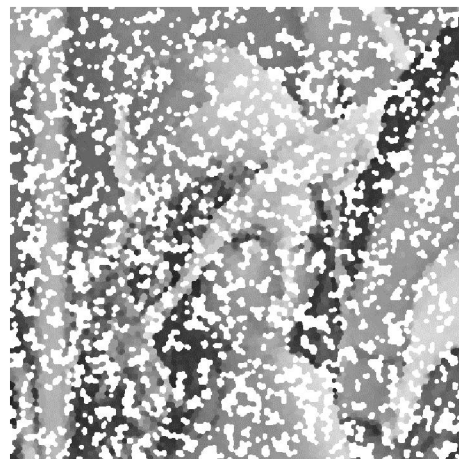
Median_3x3, SNR = 15.040



Median_5x5, SNR = 15.674



Opening-then-closing, SNR = -2.101



Closing-then-opening, SNR = -2.534

4. salt-and-pepper noise with probability=0.05



Gaussian noise with amplitude=30, SNR =0.919



Box_3x3, SNR = 9.437



Box_5x5, SNR =11.144



Median_3x3, SNR = 19.038



Median_5x5, SNR = 16.380



Opening-then-closing, SNR =5.612



Closing-then-opening, SNR =5.228