

Result:

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1. Gaussian noise, amplitude=10



Gaussian noise, amplitude =10, SNR = 13.602



Box_3x3, SNR = 17.7280



Box_5x5, SNR = 14.855



Median_3x3, SNR = 17.648



Median_5x5, SNR = 15.992



Opening-then-closing, SNR = 7.309



Closing-then-opening, SNR = 6.212

2. Gaussian noise, amplitude=30



Gaussian noise, amplitude =30, SNR = 2.782



Box_3x3, SNR = 10.734



Box_5x5, SNR = 11.709



Median_3x3, SNR = 10.857



Median_5x5, SNR = 12.614



Opening-then-closing, SNR = 7.658



Closing-then-opening, SNR = 3.159

3. Salt-and-pepper noise, probability=0.1



Salt-and-pepper noise, probability=0.1, SNR = -2.061



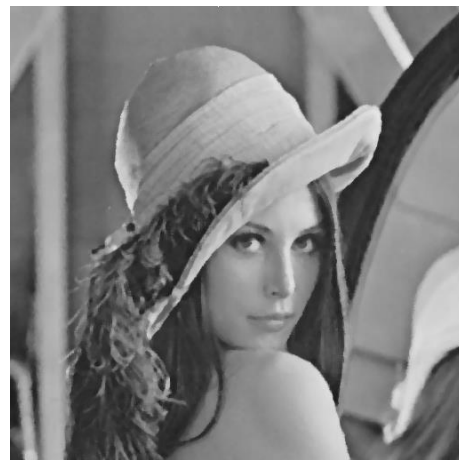
Box_3x3, SNR = 6.380



Box_5x5, SNR = 8.542



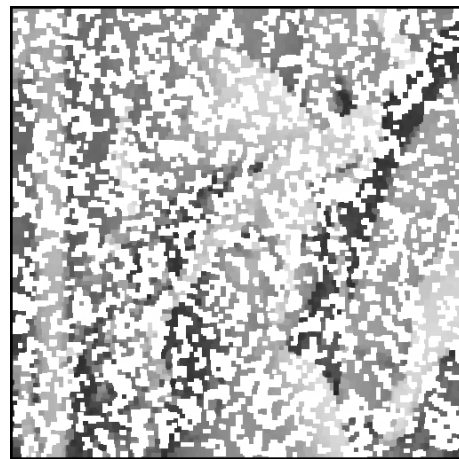
Median_3x3, SNR = 15.045



Median_5x5, SNR = 15.713



Opening-then-closing, SNR = -2.832



Closing-then-opening, SNR = -3.705

4. Salt-and-pepper noise, probability=0.05



Salt-and-pepper noise, probability=0.05, SNR = 0.981



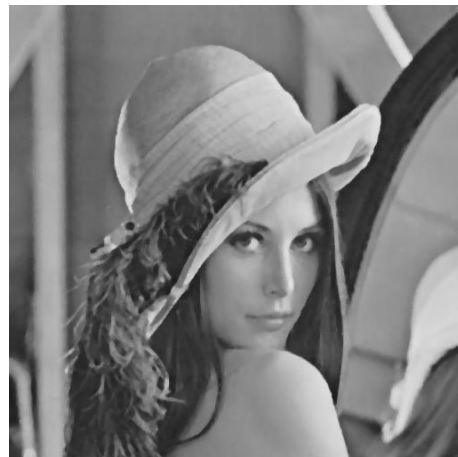
Box_3x3, SNR = 9.534



Box_5x5, SNR = 11.209



Median_3x3, SNR = 19.279



Median_5x5, SNR = 16.364



Opening-then-closing, SNR = 2.466



Closing-then-opening, SNR = 1.456