

電腦視覺 HW6

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1. Gaussian noise, amplitude=10



Gaussian noise, amplitude=10, SNR = 13.593



Box_3x3, SNR = 17.740



Box_5x5, SNR = 14.863



Median_3x3, SNR = 17.652



Median_5x5, SNR = 15.674



Opening-then-closing, SNR = 13.275



Closing-then-opening, SNR = 13.599

2. Gaussian noise, amplitude=30



Gaussian noise, amplitude=30, SNR = 2.771



Box_3x3, SNR = 10.694



Box_5x5, SNR = 11.664



Median_3x3, SNR = 10.784



Median_5x5, SNR = 12.543



Opening-then-closing, SNR = 11.043



Closing-then-opening, SNR = 7.633

3. salt-and-pepper noise, probability = 0.05



salt-and-pepper noise, probability =0.05, SNR = 0.895



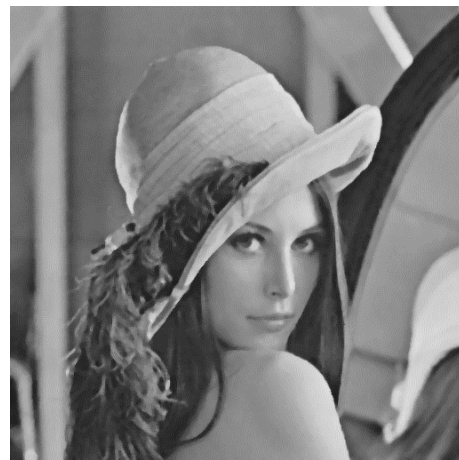
Box_3x3, SNR = 9.422



Box_5x5, SNR = 11.114



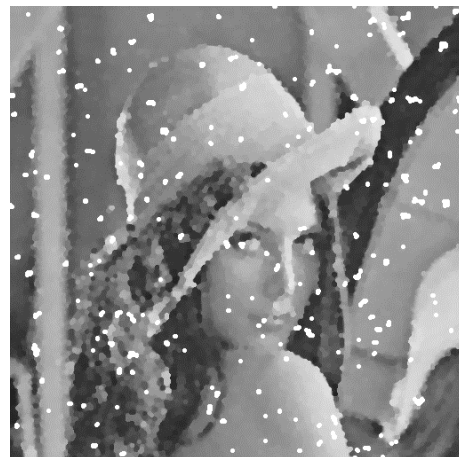
Median_3x3, SNR = 19.220



Median_5x5, SNR = 16.391



Opening-then-closing, SNR = 5.736



Closing-then-opening, SNR = 5.171

4. salt-and-pepper noise, probability = 0.10



salt-and-pepper noise, probability =0.10, SNR = -2.083



Box_3x3, SNR = 6.381



Box_5x5, SNR = 8.589



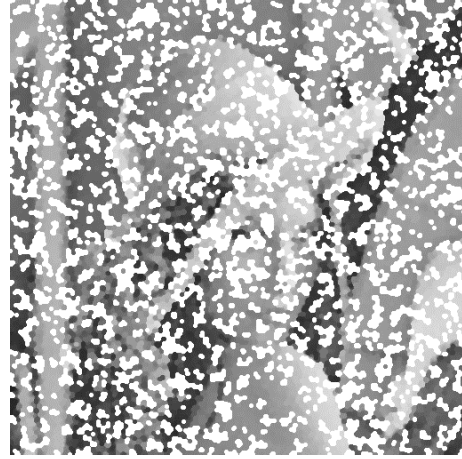
Median_3x3, SNR = 15.052



Median_5x5, SNR = 15.746



Opening-then-closing, SNR = -2.123



Closing-then-opening, SNR = -2.572