

Computer Vision HW8_ R09922093 楊子萱

1. Gaussian noise, amplitude = 10



Gaussian noise, amplitude=10, SNR = 13.58130



Box_3x3, SNR = 17.74847



Box_5x5, SNR = 14.86783



Median_3x3, SNR = 17.65972



Median_5x5, SNR = 16.01039

Computer Vision HW8_ R09922093 楊子萱



Opening-then-closing, SNR = 13.26792



Closing-then-opening, SNR = 13.57281

2. Gaussian noise, amplitude = 30



Gaussian noise, amplitude= 30, SNR = 4.16533



Box_3x3, SNR = 12.64001



Box_5x5, SNR = 13.31551

Computer Vision HW8_ R09922093 楊子萱



Median_3x3, SNR = 11.09372



Median_5x5, SNR = 12.91365



Opening-then-closing, SNR = 11.19947



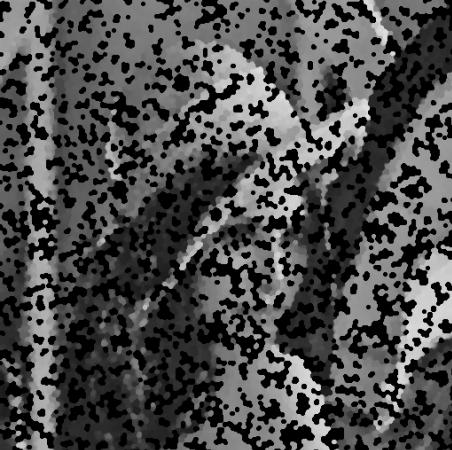
Closing-then-opening, SNR = 11.16563

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



Salt-and-pepper noise, probability=0.1, SNR = -2.09195

Computer Vision HW8_ R09922093 楊子萱

	
Box_3x3, SNR = 6.35770	Box_5x5, SNR = 8.51672
	
Median_3x3, SNR = 15.09387	Median_5x5, SNR = 15.80579
	
Opening-then-closing, SNR = -2.11774	Closing-then-opening, SNR = -2.54666

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

Computer Vision HW8_ R09922093 楊子萱



Salt-and-pepper noise, probability=0.05, SNR = 0.91406



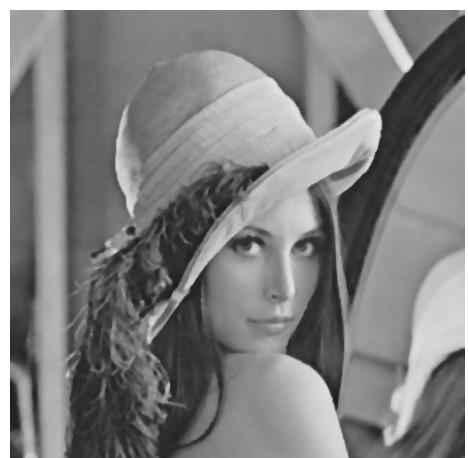
Box_3x3, SNR = 9.46978



Box_5x5, SNR = 11.17284



Median_3x3, SNR = 19.02127



Median_5x5, SNR = 16.34399

Computer Vision HW8_ R09922093 楊子萱



Opening-then-closing, SNR = 5.60614



Closing-then-opening, SNR = 5.28585