Computer Vision I: Homework 8

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Figure 1: gaussian noise with amplitude of 10

original image

gaussian with amplitude of 30 SNR:4.1617

Box 3x3 SNR:12.5998

Box 5x5 SNR:13.3057

Median 3x3 SNR:11.0477

Median 5x5 SNR:12.8675

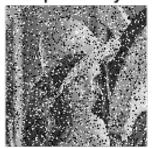Opening and closing SNR:11.2059

Closing then opening SNR:11.188

Figure 2: gaussian noise with amplitude of 30

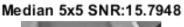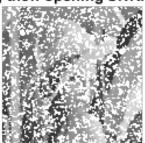Figure 3: salt and pepper noise with probability of 0.1

original image

salt and pepper with probability of 0.05 SNR:0.9152

Box 3x3 SNR:9.465

Box 5x5 SNR:11.1576

Median 3x3 SNR:19.2663

Median 5x5 SNR:16.4298

Opening and closing SNR:5.9366

Closing then opening SNR:5.3023

Figure 4: salt and pepper noise with probability of 0.05