Computer Vision - Assignment 8

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(1) Gaussian noise, Amplitude=10

Gaussian noise, Amplitude=10, SNR = 13.60416

Box_3x3, SNR = 17.74683

Box_5x5, SNR = 14.86161

Median_3x3, SNR = 17.64887

Median_5x5, SNR = 15.96010

Opening-then-closing, SNR = 13.23284

Closing-then-opening, SNR = 13.56273

(2) Gaussian noise, Amplitude=30

Gaussian noise, Amplitude=30, SNR = 2.14252

Box_3x3, SNR = 9.84207

Box_5x5, SNR = 10.83385

Median_3x3, SNR = 10.78714

Median_5x5, SNR = 12.47573

Opening-then-closing, SNR = 7.83521

Closing-then-opening, SNR = 7.95617

(3) Salt-and-Pepper noise, Probability=0.1

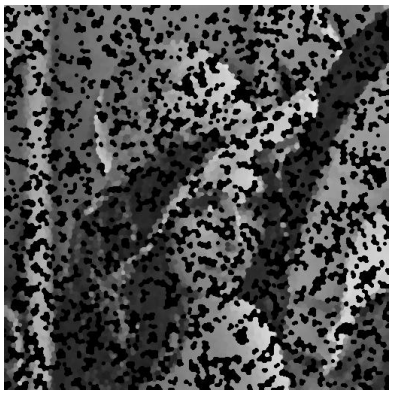
Salt-and-Pepper noise, Probability=0.1, SNR = -2.12595

Box_3x3, SNR = 6.27409

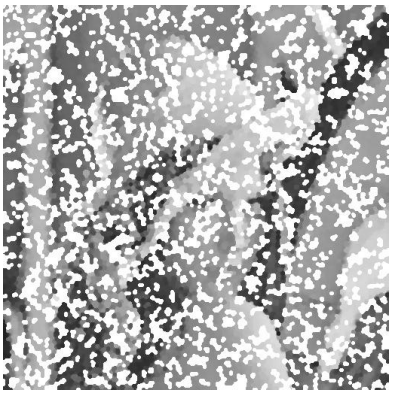
Box_5x5, SNR = 8.43496

Median_3x3, SNR = 14.88937

Median_5x5, SNR = 15.69030



Opening-then-closing, SNR = -2.30252



Closing-then-opening, SNR = -2.49660

(4) Salt-and-Pepper noise, Probability=0.05

Salt-and-Pepper noise, Probability=0.05, SNR = 0.87451

Box_3x3, SNR = 9.41314

Box_5x5, SNR = 11.13180

Median_3x3, SNR = 18.99502

Median_5x5, SNR = 16.36719

Opening-then-closing, SNR = 5.58323

Closing-then-opening, SNR = 5.20804