

R09922103 陳柏佑

1. GaussianNoise, amplitude = 10



SNR = 13.581315906414776



Box_3x3, SNR = 17.745888804190876



Box_5x5, SNR = 14.856312707210188



Median_3x3, SNR =
17.661388858780725



Median_5x5, SNR =
15.967474222058996



Opening-then-closing, SNR =
13.21078233894002



Closing-then-opening, SNR =
13.566686905243861

2. GaussianNoise, amplitude = 30



SNR = 2.8570169713936795



Box_3x3, SNR = 10.740999668906445



Box_5x5, SNR = 11.710775834163229



Median_3x3, SNR = 10.87946213154924



Median_5x5, SNR =
12.623445934377244



Opening-then-closing, SNR =
11.083559511482559



Closing-then-opening, SNR =
8.104981726200554

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



SNR = 0.9143456179194941



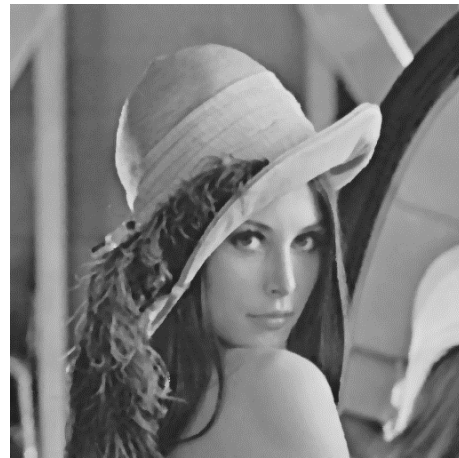
Box_3x3, SNR = 9.445279098137762



Box_5x5, SNR = 11.15565135956084



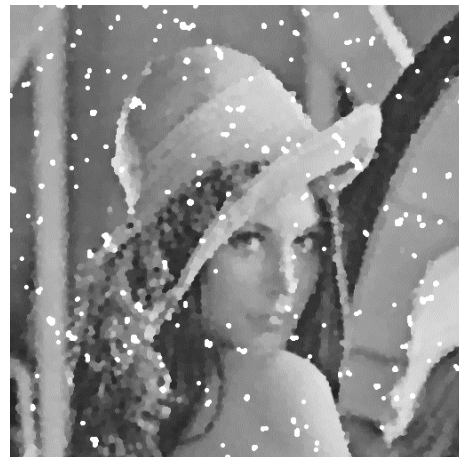
Median_3x3, SNR =
19.186985313410197



Median_5x5, SNR =
16.338519639060905



Opening-then-closing, SNR =
5.763746975609675



Closing-then-opening, SNR =
5.751984309005403

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



SNR = -2.140014862117181



Box_3x3, SNR = 6.285123929093962



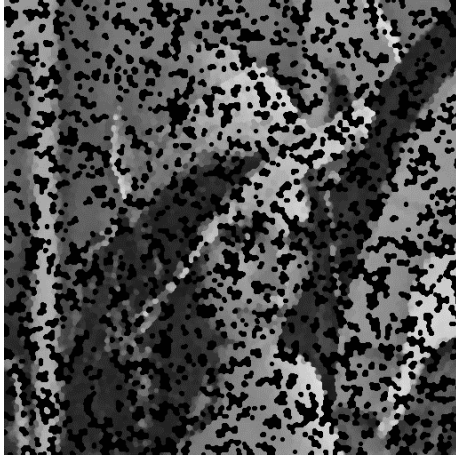
Box_5x5, SNR = 8.458620571067945



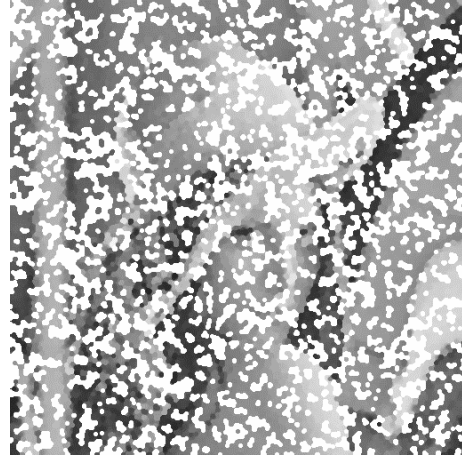
Median_3x3, SNR =
14.776692051678973



Median_5x5, SNR =
15.723350824067971



Opening-then-closing, SNR = -
2.1817933424565155



Closing-then-opening, SNR = -
2.7063337714907574