



Gaussian noise, amplitude=10, SNR =13.599

Box\_3x3  
SNR =17.590Median\_3x3  
SNR = 17.684Opening-then-closing,  
SNR= 5.666Box\_5x5  
SNR = 14.715Median\_5x5  
SNR = 15.990Closing-then-opening  
SNR = -2.987



Gaussian noise, amplitude=30, SNR =2.858

Box\_3x3  
SNR = 10.820Median\_3x3  
SNR =10.907Opening-then-closing,  
SNR= 5.980Box\_5x5  
SNR = 11.729Median\_5x5  
SNR = 12.602Closing-then-opening  
SNR = 3.314





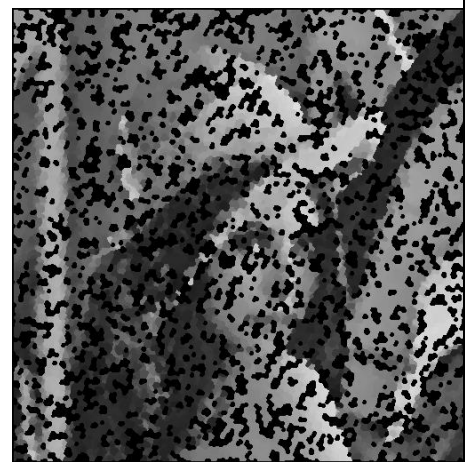
Salt-and-pepper noise, probability=0.1, SNR = -2.08



Box\_3x3  
SNR = 6.35



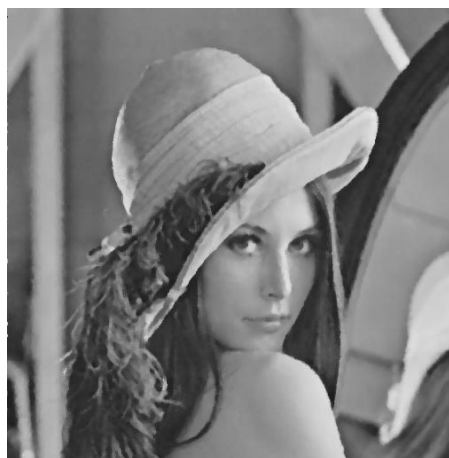
Median\_3x3  
SNR = 14.951



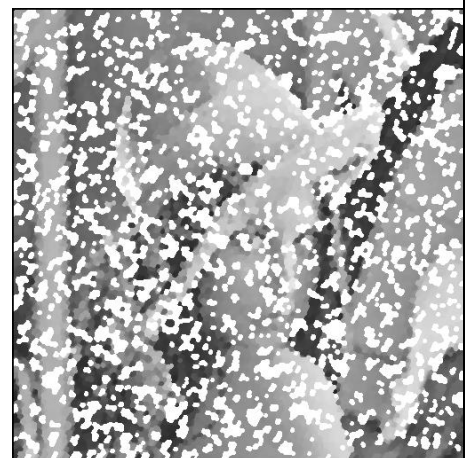
Opening-then-closing,  
SNR = -2.040



Box\_5x5  
SNR = 8.528



Median\_5x5  
SNR = 15.69



Closing-then-opening  
SNR = -2.789



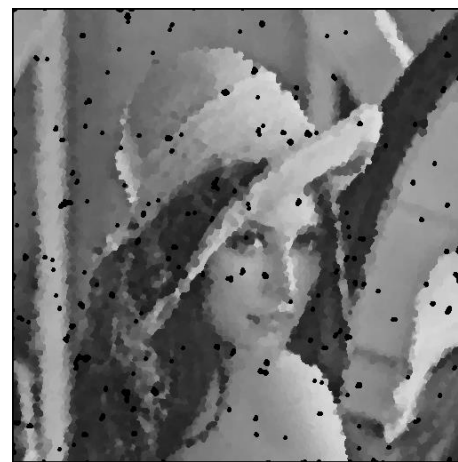
Salt-and-pepper noise, probability=0.05, SNR = 0.919



Box\_3x3  
SNR = 9.405



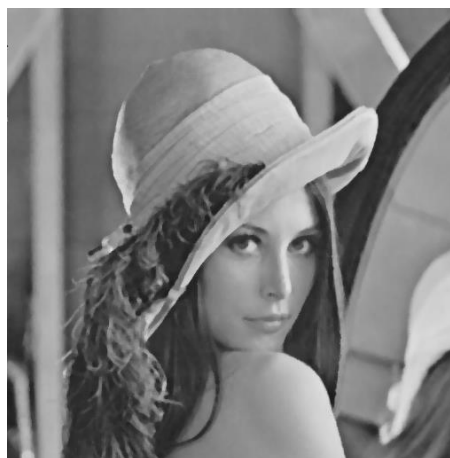
Median\_3x3  
SNR = 19.248



Opening-then-closing,  
SNR = 4.003



Box\_5x5  
SNR = 11.065



Median\_5x5  
SNR = 16.369



Closing-then-opening  
SNR = 3.253