1. Gaussian noise, amplitude=10

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| C:\Users\肥宅\Desktop\hw_template_vs2015\gau10.jpg | |
| Gaussian noise, amplitude=10, SNR = 13.1481 | |
| C:\Users\肥宅\Desktop\hw_template_vs2015\gau10box3.jpg | C:\Users\肥宅\Desktop\hw_template_vs2015\gau10box5.jpg |
| Box\_3x3, SNR = 17.8198 | Box\_5x5, SNR = 14.6873 |
| C:\Users\肥宅\Desktop\hw_template_vs2015\gau10med3.jpg | C:\Users\肥宅\Desktop\hw_template_vs2015\gau10med5.jpg |
| Median\_3x3, SNR = 17.9135 | Median\_5x5, SNR = 15.7617 |
| C:\Users\肥宅\Desktop\hw_template_vs2015\gau10opcl.jpg | C:\Users\肥宅\Desktop\hw_template_vs2015\gau10clop.jpg |
| Opening-then-closing, SNR = 12.3577 | Closing-then-opening, SNR = 12.6441 |

1. Gaussian noise, amplitude=30

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| C:\Users\肥宅\Desktop\hw_template_vs2015\gau30.jpg | |
| Gaussian noise, amplitude=30, SNR = 3.78556 | |
| C:\Users\肥宅\Desktop\hw_template_vs2015\gau30box3.jpg | C:\Users\肥宅\Desktop\hw_template_vs2015\gau30box5.jpg |
| Box\_3x3, SNR = 10.7549 | Box\_5x5, SNR = 12.076 |
| C:\Users\肥宅\Desktop\hw_template_vs2015\gau30med3.jpg | C:\Users\肥宅\Desktop\hw_template_vs2015\gau30med5.jpg |
| Median\_3x3, SNR = 10.9319 | Median\_5x5, SNR = 12.5728 |
| C:\Users\肥宅\Desktop\hw_template_vs2015\gau30opcl.jpg | C:\Users\肥宅\Desktop\hw_template_vs2015\gau30clop.jpg |
| Opening-then-closing, SNR = 10.9378 | Closing-then-opening, SNR = 7.24734 |

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

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| C:\Users\肥宅\Desktop\hw_template_vs2015\salt005.jpg | |
| Salt-and-pepper noise, probability=0.05, SNR = 1.90953 | |
| C:\Users\肥宅\Desktop\hw_template_vs2015\salt005box3.jpg | C:\Users\肥宅\Desktop\hw_template_vs2015\salt005box5.jpg |
| Box\_3x3, SNR =9.47482 | Box\_5x5, SNR = 11.541 |
| C:\Users\肥宅\Desktop\hw_template_vs2015\salt005med3.jpg | C:\Users\肥宅\Desktop\hw_template_vs2015\salt005med5.jpg |
| Median\_3x3, SNR = 15.1972 | Median\_5x5, SNR = 15.1227 |
| C:\Users\肥宅\Desktop\hw_template_vs2015\salt005opcl.jpg | C:\Users\肥宅\Desktop\hw_template_vs2015\salt005clop.jpg |
| Opening-then-closing, SNR = 6.06344 | Closing-then-opening, SNR =5.09036 |

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

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| C:\Users\肥宅\Desktop\hw_template_vs2015\salt01.jpg | |
| Salt-and-pepper noise, probability=0.1, SNR = -1.02649 | |
| C:\Users\肥宅\Desktop\hw_template_vs2015\salt01box3.jpg | C:\Users\肥宅\Desktop\hw_template_vs2015\salt01box5.jpg |
| Box\_3x3, SNR = 6.37174 | Box\_5x5, SNR = 8.89209 |
| C:\Users\肥宅\Desktop\hw_template_vs2015\salt01med3.jpg | C:\Users\肥宅\Desktop\hw_template_vs2015\salt01med5.jpg |
| Median\_3x3, SNR = 13.4141 | Median\_5x5, SNR = 14.6721 |
| C:\Users\肥宅\Desktop\hw_template_vs2015\salt01opcl.jpg | C:\Users\肥宅\Desktop\hw_template_vs2015\salt01clop.jpg |
| Opening-then-closing, SNR =-2.04031 | Closing-then-opening, SNR = -2.44973 |