R09922103 陳柏佑

1. GaussianNoise, amplitude = 10

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|  | |
| 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 |

1. 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 |

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

|  |  |
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|  | |
| 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 |

1. 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 |