Computer Vision HW#8 R08942125廖克允

1. Gaussian noise with amplitude=10

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| Gaussian noise with amplitude=10, SNR = 13.577 | |
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| Box\_3x3, SNR = 17.731 | Box\_5x5, SNR = 14.857 |
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| Median\_3x3, SNR = 17.651 | Median\_5x5, SNR = 15.986 |
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| Opening-then-closing, SNR = 13.246 | Closing-then-opening, SNR = 13.587 |

1. Gaussian noise with amplitude=30

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| Gaussian noise with amplitude=30, SNR = 4.179 | |
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| Box\_3x3, SNR = 12.610 | Box\_5x5, SNR = 13.311 |
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| Median\_3x3, SNR = 11.068 | Median\_5x5, SNR = 12.923 |
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| Opening-then-closing, SNR =11.107 | Closing-then-opening, SNR =11.161 |

1. salt-and-pepper noise with probability=0.1

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| Gaussian noise with amplitude=30, SNR = -2.133 | |
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| Box\_3x3, SNR = 6.250 | Box\_5x5, SNR = 8.213 |
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| Median\_3x3, SNR = 15.040 | Median\_5x5, SNR = 15.674 |
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| Opening-then-closing, SNR = -2.101 | Closing-then-opening, SNR = -2.534 |

1. salt-and-pepper noise with probability=0.05

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| Gaussian noise with amplitude=30, SNR =0.919 | |
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| Box\_3x3, SNR = 9.437 | Box\_5x5, SNR =11.144 |
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| Median\_3x3, SNR = 19.038 | Median\_5x5, SNR = 16.380 |
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| Opening-then-closing, SNR =5.612 | Closing-then-opening, SNR =5.228 |