電腦視覺HW8

R10922176 陳冠頴

1. Gaussian noise, amplitude=10

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| Gaussian noise, amplitude=10, SNR = 13.593 | |
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| Box\_3x3, SNR = 17.740 | Box\_5x5, SNR = 14.863 |
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| Median\_3x3, SNR = 17.652 | Median\_5x5, SNR = 15.674 |
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| Opening-then-closing, SNR = 13.275 | Closing-then-opening, SNR = 13.599 |

1. Gaussian noise, amplitude=30

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| Gaussian noise, amplitude=30, SNR = 2.771 | |
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| Box\_3x3, SNR = 10.694 | Box\_5x5, SNR = 11.664 |
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| Median\_3x3, SNR = 10.784 | Median\_5x5, SNR = 12.543 |
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| Opening-then-closing, SNR = 11.043 | Closing-then-opening, SNR = 7.633 |

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

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| salt-and-pepper noise, probability =0.05, SNR = 0.895 | |
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| Box\_3x3, SNR = 9.422 | Box\_5x5, SNR = 11.114 |
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| Median\_3x3, SNR = 19.220 | Median\_5x5, SNR = 16.391 |
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| Opening-then-closing, SNR = 5.736 | Closing-then-opening, SNR = 5.171 |

1. salt-and-pepper noise, probability = 0.10

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| salt-and-pepper noise, probability =0.10, SNR = -2.083 | |
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| Box\_3x3, SNR = 6.381 | Box\_5x5, SNR = 8.589 |
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| Median\_3x3, SNR = 15.052 | Median\_5x5, SNR = 15.746 |
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| Opening-then-closing, SNR = -2.123 | Closing-then-opening, SNR = -2.572 |