

Morphological Operations

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August 2022

1 Erosion

In erosion, I have found that the picture gets darker, and the black part expands. The more I increased the dimension of the kernel, the image gets more blurry and with fewer details. The image loses many details.

2 Dilation

In dilation, the white part expands and the black part shrinks. opposite of the erosion. And also the more the size of the kernel, the more white is on the output image.

3 Opening

In opening, the output was clear. less white noises. it can be used for internal noise cancelation.

4 Closing

In closing, the output was with more white pixels. It can be used as outer damage fixing.