Computer Vision HW5

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Homework 5

Mathematical Morphology - Gray Scaled Morphology

Kernel I use same as HW4 but actually value is 0(1 in kernel) just because real value is 0

you can just skip + k(z) or -k(z) part and you will have the same effect as the real kernel

```
///kernel
int kernel[5][5]={0,1,1,1,0,

1,1,1,1,1,
1,1,1,1,1,
0,1,1,1,0};
```

(a) Dilation

(b) Erosion

(c) Opening

step:

1.erosion
2.dilation

$$B \circ K = (B \ominus K) \oplus K$$

(d) Closing

step:

1.dilation2.erosion

$$B \bullet K = (B \oplus K) \ominus K$$

result image:





