電腦視覺 HW10

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Laplacian with Threshold (0, 1, 0, 1, -4, 1, 0, 1, 0):15

kernel=[[0,1,0],
[1,-4,1],
[0,1,0]]

Laplacian with threshold (1, 1, 1, 1, -8, 1, 1, 1, 1):15

kernel=[[1/3,1/3,1/3],
[1/3,-8/3,1/3],
[1/3,1/3,1/3]]

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Minimum_variance_Laplacian with Threshold:20

kernel=[[2/3,-1/3,2/3],
[-1/3,-4/3,-1/3],
[2/3,-1/3,2/3]]

Laplacian_of_Gaussian with threshold:3000

kernel=[[0,0,0,-1,-1,-2,-1,-1,0,0,0],
[0,0,-2,-4,-8,-9,-8,-4,-2,0,0],
[0,-2,-7,-15,-22,-23,-22,-15,-7,-2,0],
[-1,-4,-15,-24,-14,-1,-14,-24,-15,-4,-1],
[-1,-8,-22,-14,52,103,52,-14,-22,-8,-1],
[-2,-9,-23,-1,103,178,103,-1,-23,-9,-2],
[-1,-8,-22,-14,52,103,52,-14,-22,-8,-1],
[-1,-4,-15,-24,-14,-1,-14,-24,-15,-4,-1],
[0,-2,-7,-15,-22,-23,-22,-15,-7,-2,0],
[0,0,-2,-4,-8,-9,-8,-4,-2,0,0],
[0,0,0,-1,-1,-2,-1,-1,0,0,0]]

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Laplacian_of_Gaussian with Threshold:1

```
kernel=[[-1, -3, -4, -6, -7, -8, -7, -6, -4, -3, -1],
        [-3, -5, -8, -11, -13, -13, -13, -11, -8, -5, -3],
        [-4, -8, -12, -16, -17, -17, -17, -16, -12, -8, -4],
        [-6, -11, -16, -16, 0, 15, 0, -16, -16, -11, -6],
        [-7, -13, -17, 0, 85, 160, 85, 0, -17, -13, -7],
        [-8, -13, -17, 15, 160, 283, 160, 15, -17, -13, -8],
        [-7, -13, -17, 0, 85, 160, 85, 0, -17, -13, -7],
        [-6, -11, -16, -16, 0, 15, 0, -16, -16, -11, -6],
        [-4, -8, -12, -16, -17, -17, -17, -16, -12, -8, -4],
        [-3, -5, -8, -11, -13, -13, -13, -11, -8, -5, -3],
        [-1, -3, -4, -6, -7, -8, -7, -6, -4, -3, -1]]
```