

Signed on as บุญญพัฒน์ สุรเกียรติ์กำจร
My worksheet

In-class Week #5 - Filtering - 6 Sep 2023

2110431.2147329i (2023/1)
For individual student

Out:	Due:
Sep 6 2023	Sep 6 2023
	23:59

Instruction

undefined

My Work



Complete the question set

1 point

1

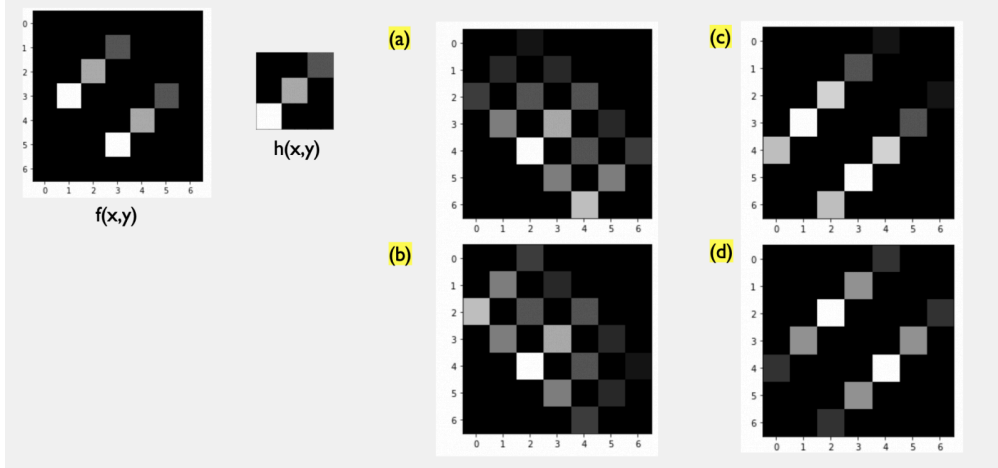
Which of the following statements is incorrect?

Pick a choice:

- ☐ Box filter and weighted average filter are lowpass filters.
- ☐ You can generate lowpass filter and highness filters with Butterworth and Gaussian filter.
- ☐ When increase the cutoff frequency for lowpass filter, a filtered image is less blurred.
- ☒ The product of an image and a filter in frequency domain is exactly how you apply spatial filtering in spatial domain.

1 point

2

What is the convolution output between the image $f(x,y)$ and the kernel $h(x,y)$?

Pick a choice:

- ☐ a
- ☐ b
- ☒ c
- ☐ d

1 point

3

What happen if you increase cutoff frequency from 5 to 20 in high-pass filter?

Compose an answer

enhances fine details and edges in the image while suppressing smoother and low-frequency components.

1 point

4

Which of the following noise is multiplication noise?

Pick a choice:

- ☐ Gaussian noise
- ☒ speckle noise
- ☐ periodic noise
- ☐ salt and pepper noise

(Optional) Call for the attention of

Show staff searching box

Submit your work**Save / Submit**

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Staff's Feedback

-- No feedback to this submission has been made by any of the course staffs yet. --