

### Homework assignment 3:

**Due date:** Wednesday, September 29, 2021 at 11:59pm

**Note 1:** Please remember to cite your references.

**Note 2:** Please type your answer.

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Please explain the below kernels and their applications. You could also use sample examples to show the differences between them.

- a. Roberts
- b. Canny
- c. Difference of Gaussians (DoG)
- d. Laplacian of Gaussian (LoG)