

BIL-467 Image Processing Homework 1

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- a) Second order (Laplacian) derivative approximations is easier than First order derivative approximations. Because we just calculate neighboring pixel. Up, down, left and right neighbours are used by calculation method. On the other method, we use more pixels to calculate. It means that more calculation.
- b) First order derivative approximation is easier. Because there is no negative result. We can get negative results from second order derivative approximation. This makes it difficult for us to display it as an image.