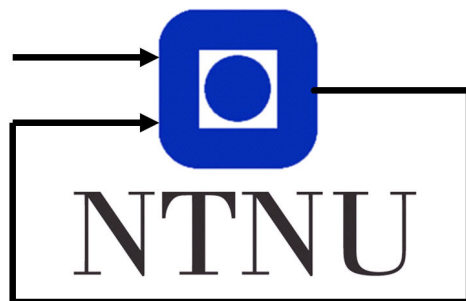


Image Processing - Assignment 1

Group 3
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Department of Engineering Cybernetics

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1 Spatial Filtering

1.1 Task 1: Theory

a)

Sampling is the process of converting a continuous-time signal to a discrete-time signal, usually by measuring the continuous-time signal at specific points in time and extending this measurement over a set time step.

b)

Quantization is the process of constraining a signal from a larger to a smaller set of values, like mapping colours to the standard RGB range of 256 integer values.

c)