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21AL722/21BM725 - Multi Sensor Data Fusion

Hands-on session 2

Study the effect of different levels of reconstruction of a decomposed image using Principal Component Analysis (PCA) to derive its inferences. The reconstruction should be done for values of N/32, N/16, N/8, N/4, N/2, and N where N is the number of principal components in the decomposition process.

Note:

- The minimum size of the input image should be at least 800x500 with a dpi of around 100.
- Images should be related to your areas of specialization and also the purpose should be specified in the aim.
- Inference should be only points or bullets
- The report should be submitted in the given format
- Additional information is there in the report format also