Digital Image Processing

Assignment 2

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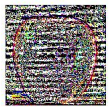
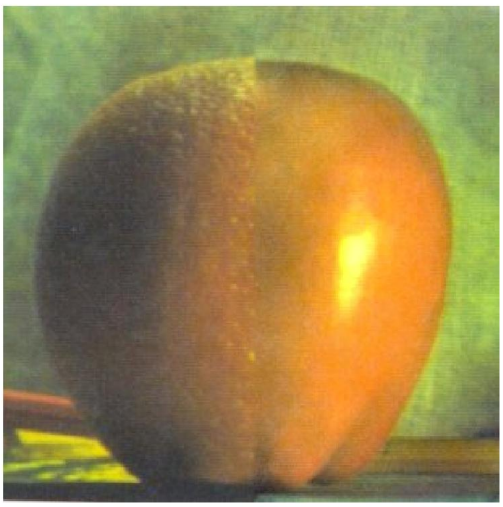
201502034

1.

a) The Guassian and Laplacian pyramids obtained are as follows:



b) The blended outputs are as follows:



c) The outputs are as follows:

Nearest Neighbour:

Linear:

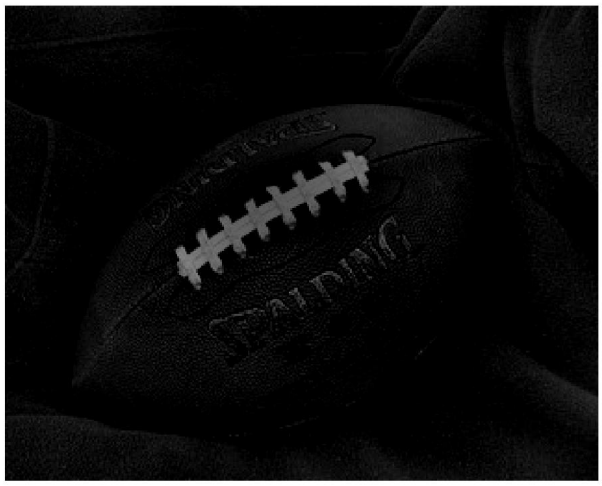
Bilinear:

Bicubic:

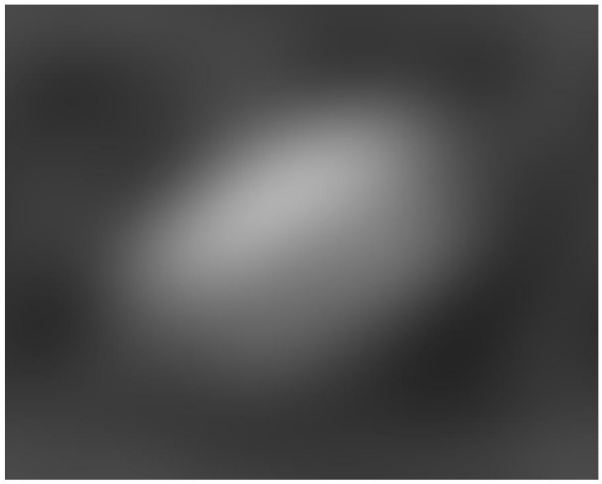
2.

b) The outputs are as follows:

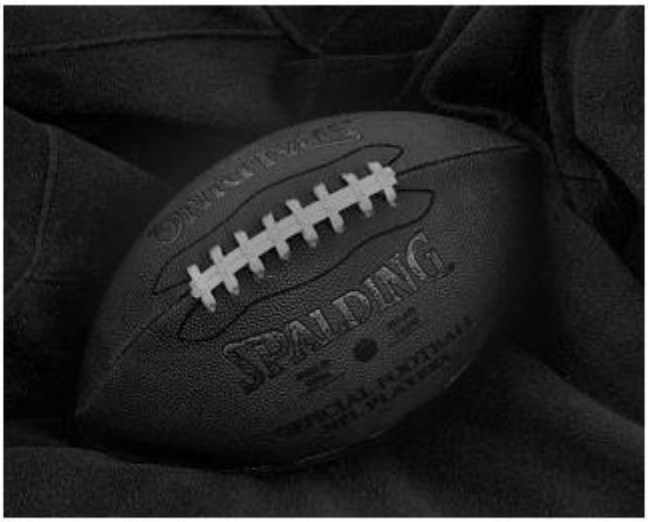
Ideal Highpass:



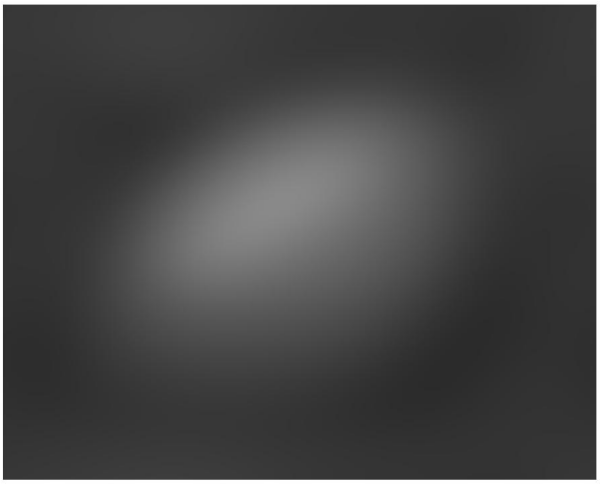
Ideal Lowpass:



Butterworth Highpass:

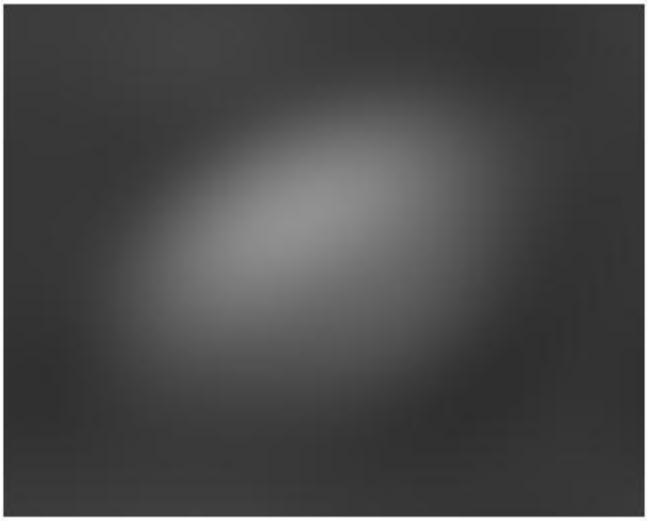


Butterworth Lowpass:

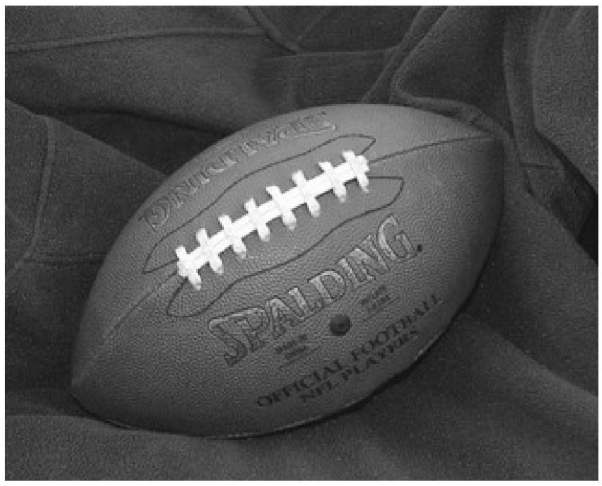
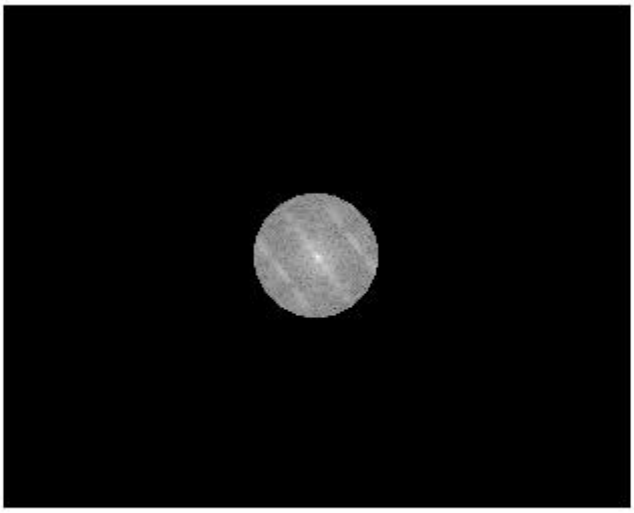


Gaussian Highpass:

Gaussian Lowpass:



c) Laplacian Filter:



d) Notch Pass/Reject Filter: