

Digital Image Processing

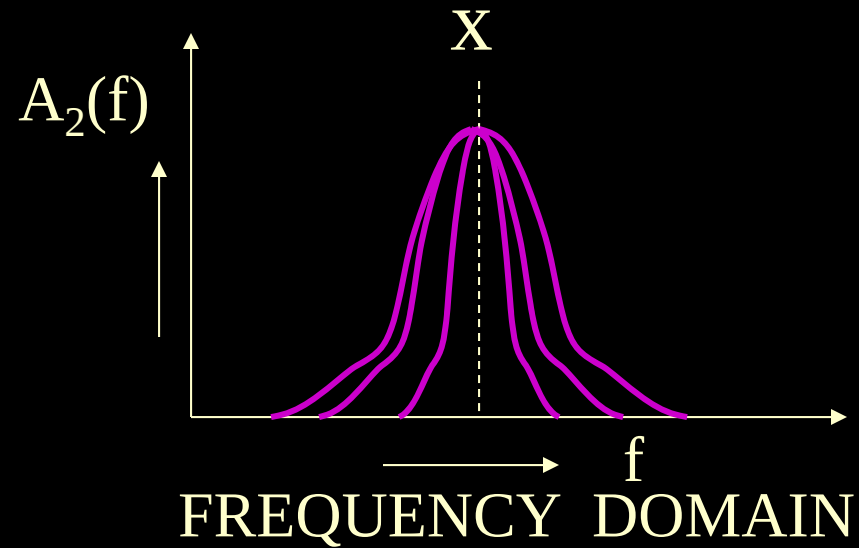
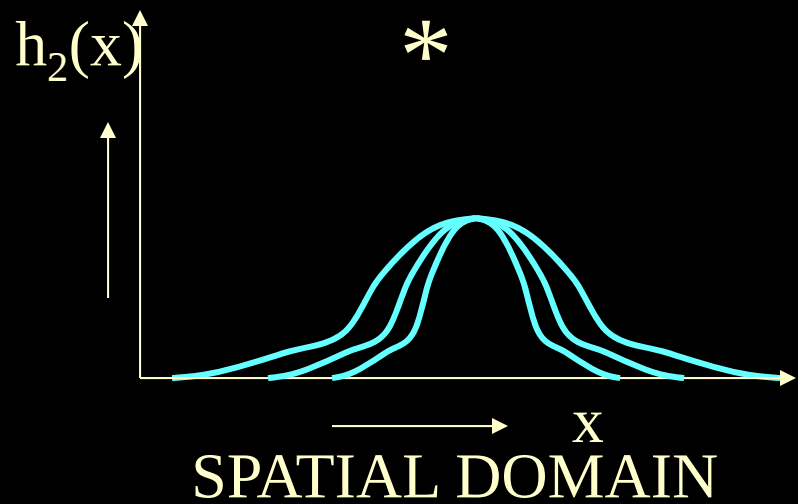
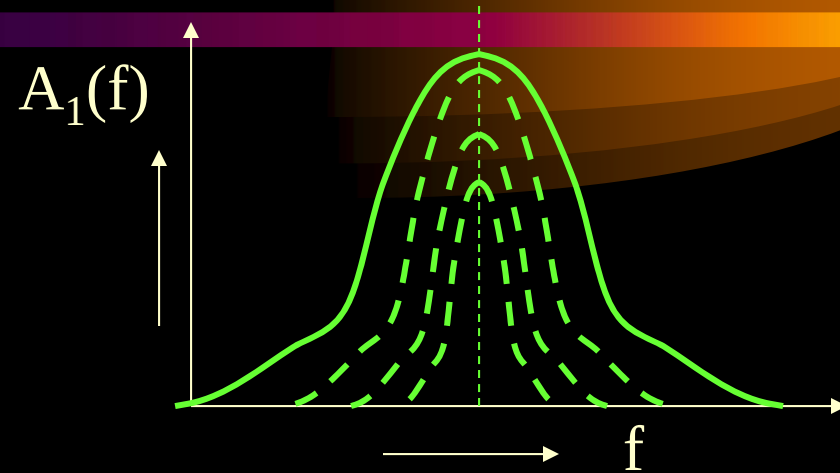
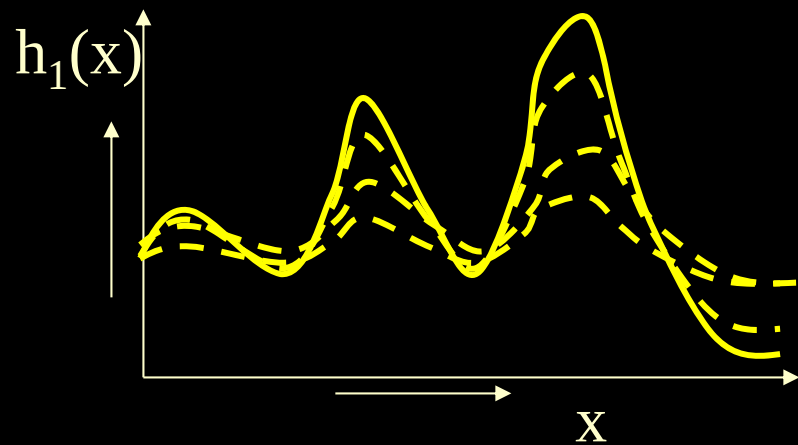
A decorative graphic element consisting of a horizontal line with a color gradient from dark blue on the left to bright yellow on the right. To the right of the line is a large, stylized, teardrop-shaped graphic with a brown-to-orange gradient, resembling a comet tail or a lens flare.

Filtering

Low Pass Filtering



Hierarchical Image Filtering



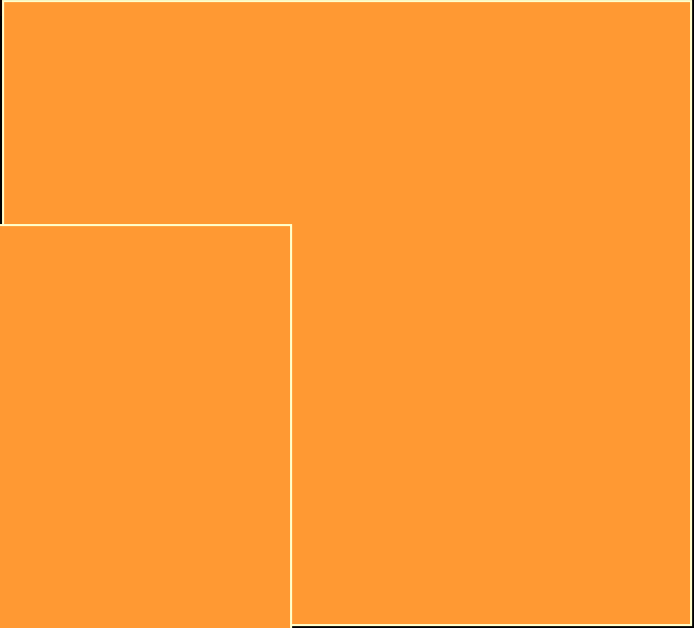
Hierarchical Filtering

1/4	1/4
1/4	1/4

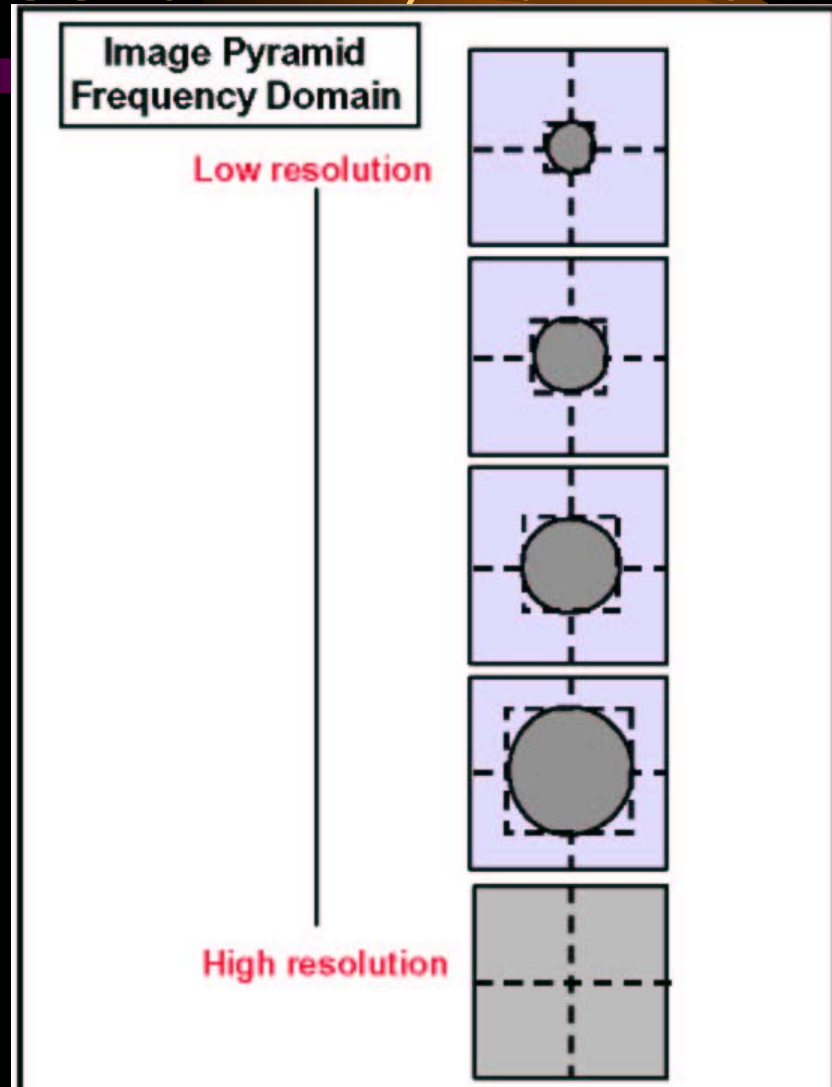
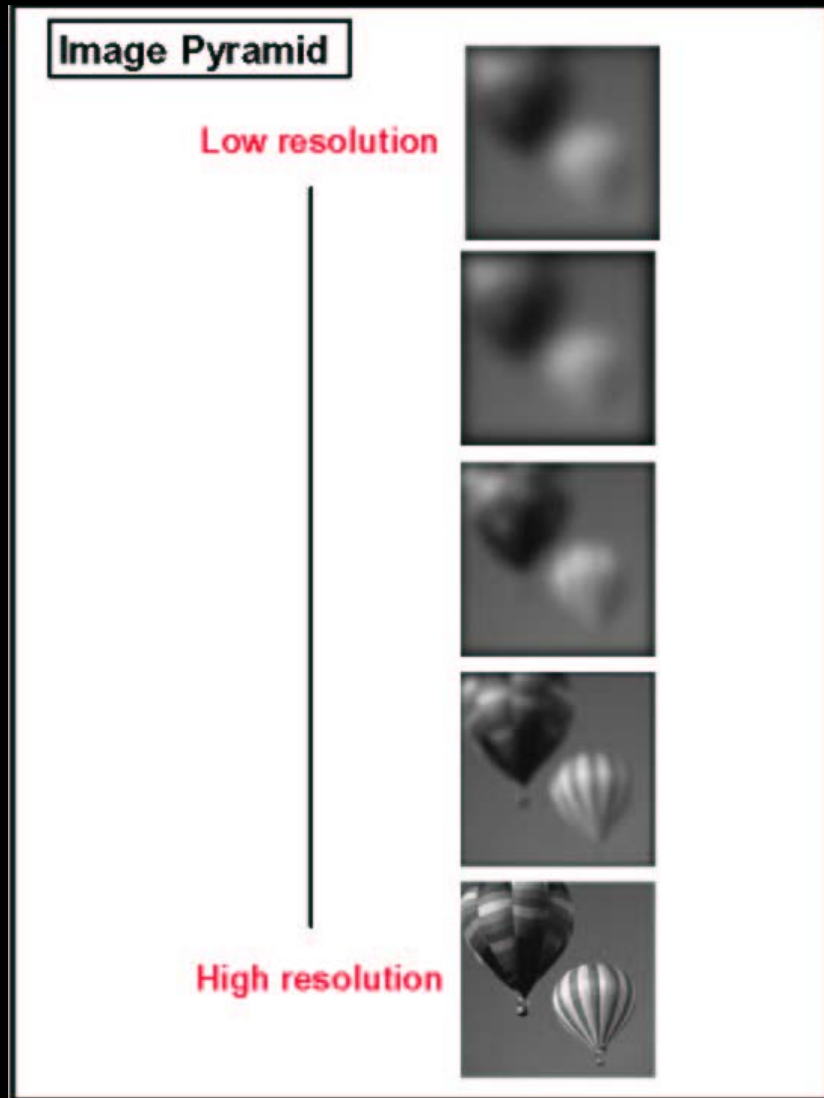

1 x 1


N/4 x N/4

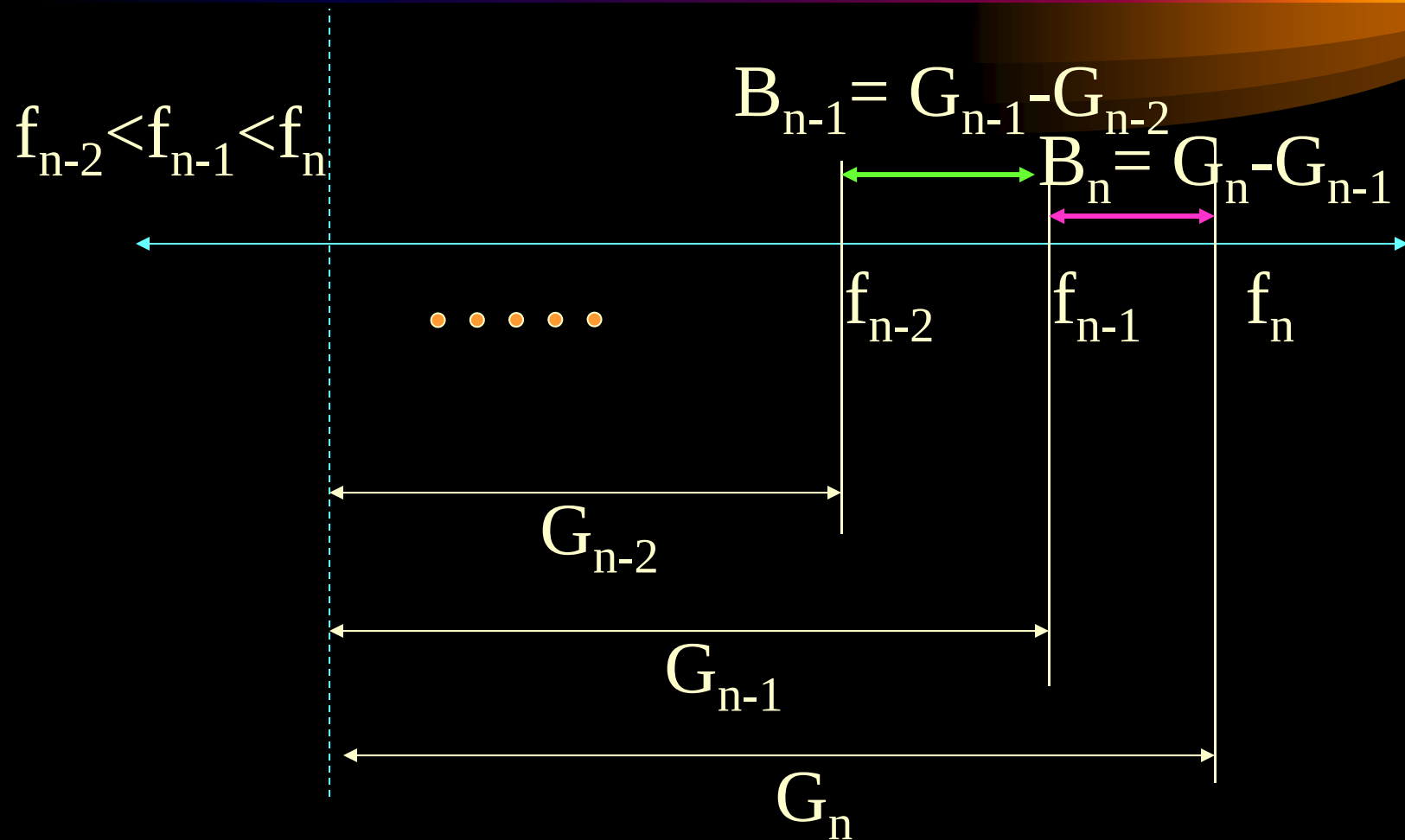

N/2 x N/2


N x N

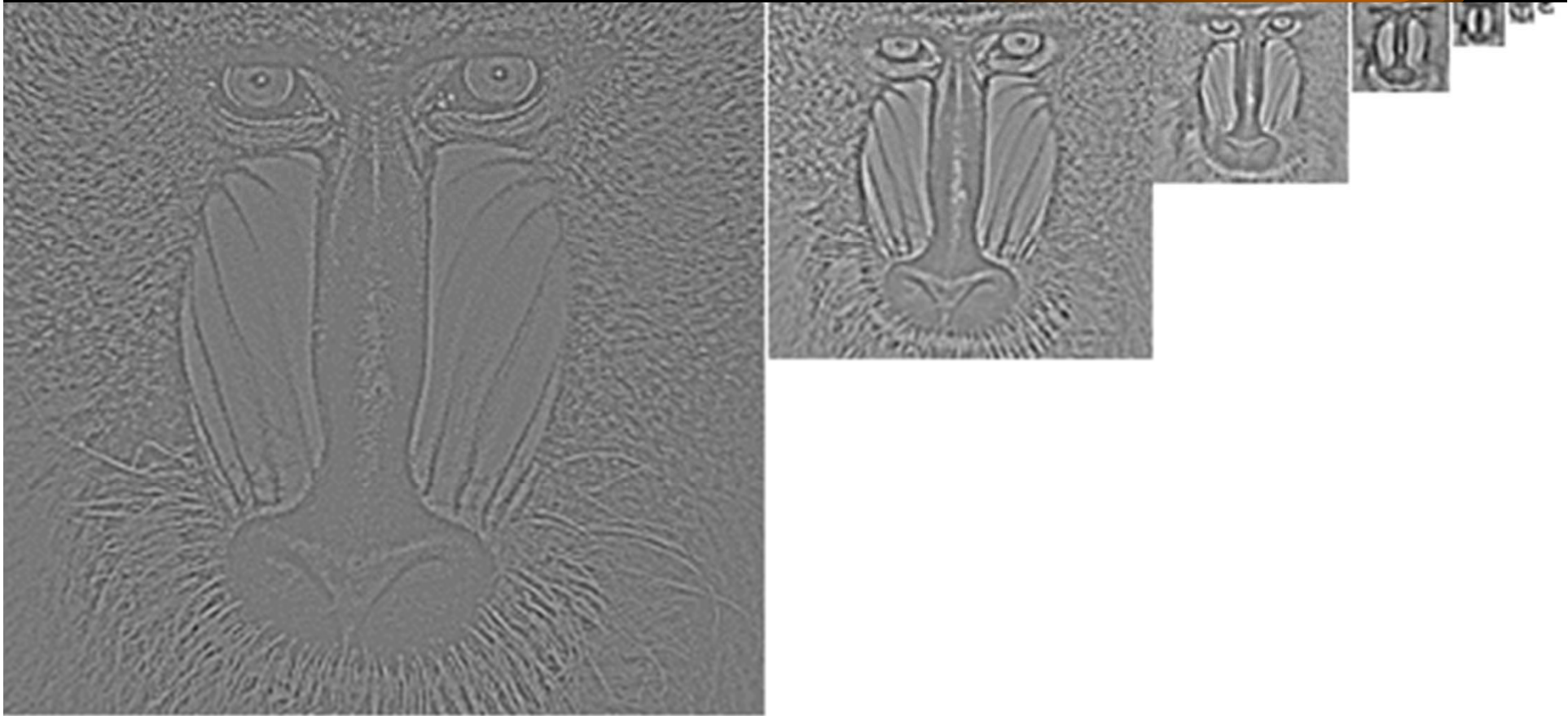
Gaussian Pyramid



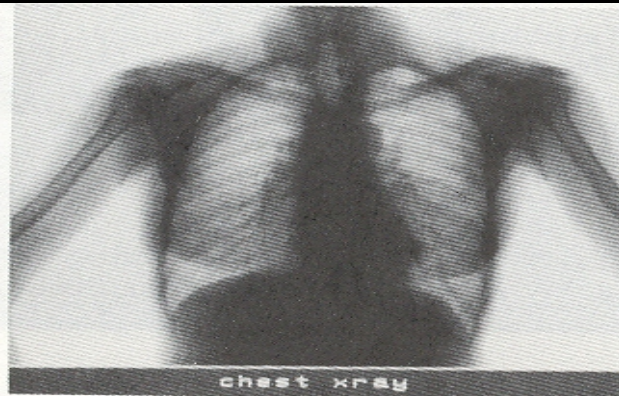
Band-limited Images (Laplacian Pyramid)



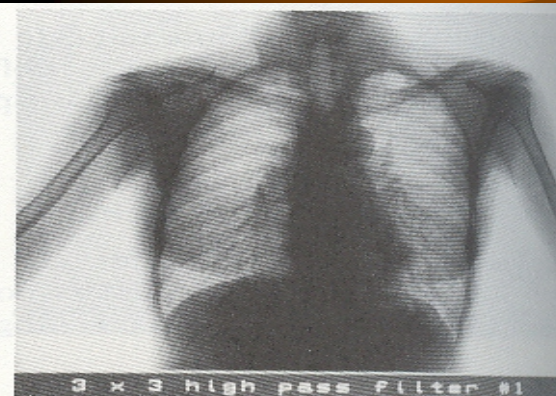
Band-limited Images (Laplacian Pyramid)



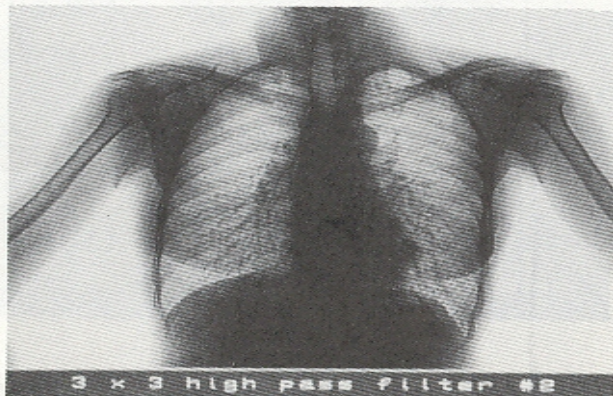
Edge Crispening



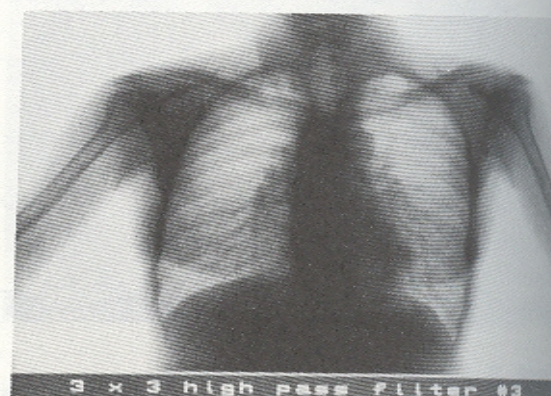
(a) Original



(b) Mask 1



(c) Mask 2



(d) Mask 3