Explain the unsharpened mask and its link to the

laplacian sharpening

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Unsharpened mask with box filter









Unsharpened mask with gaussian filter









Unsharpened mask comparison







Properties

$$g(x,y) = f(x,y) + \alpha[f(x,y) - f(x,y) * h(x,y)]$$

= $f(x,y) + \alpha f(x,y) * [\delta(x,y) - h(x,y)]$