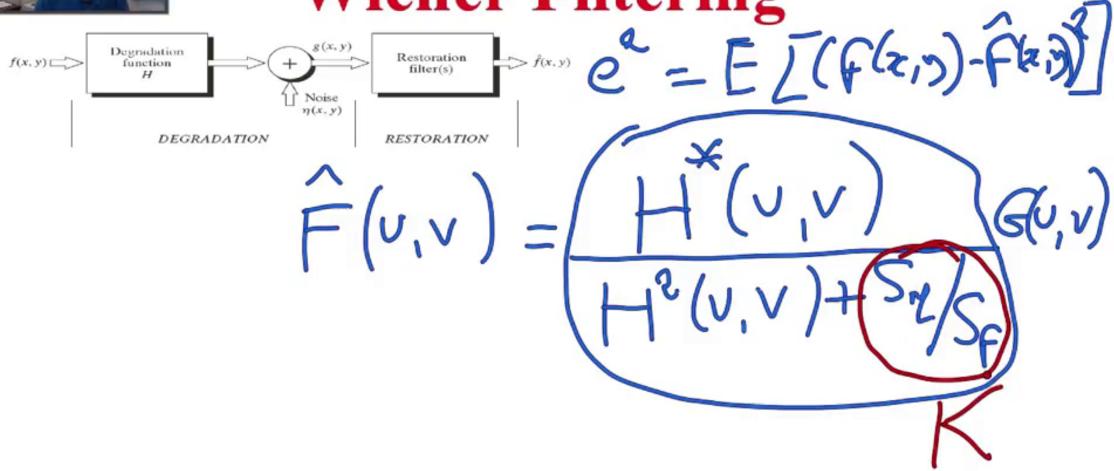


Wiener Filtering



http://en.wikipedia.org/wiki/Wiener_filter



Digital Image Processing, 3rd ed. Gonzalez & Woods

www.ImageProcessingPlace.com

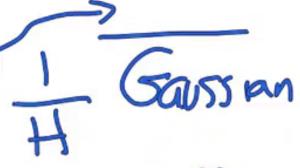
Chapter 5

Image Restoration and Reconstruction















Digital Image Processing, 3rd ed. Gonzalez & Woods

www.ImageProcessingPlace.com

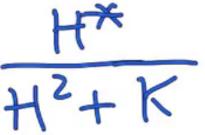
Chapter 5

Image Restoration and Reconstruction









a b c def g h i

FIGURE 5.29 (a) 8-bit image corrupted by motion blur and additive noise. (b) Result of inverse filtering. (c) Result of Wiener filtering. (d)-(f) Same sequence, but with noise variance one order of magnitude less. (g)-(i) Same sequence, but noise variance reduced by five orders of magnitude from (a). Note in (h) how the deblurred image is quite visible through a "curtain" of noise.