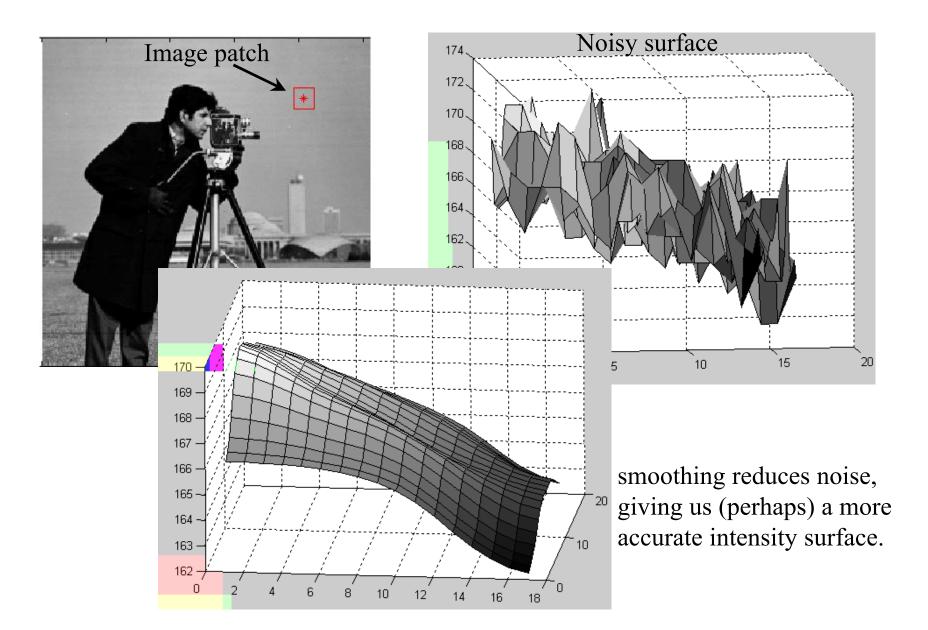
Notes on smoothing

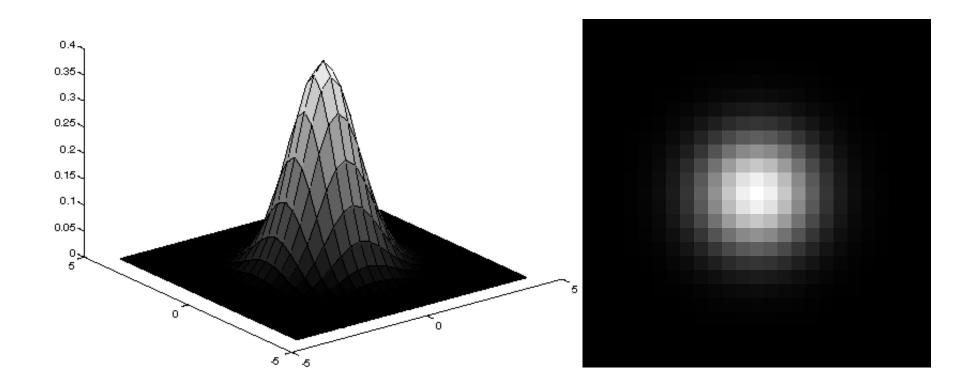
Intermezzo aperto

CSE486, Penn State Today: Smoothing Reduces Noise



Gaussian Smoothing Filter

An isotropic (circularly symmetric) Gaussian:



Gaussian Smoothing Example



original

sigma = 3

Robert Collins CSE486, Penn State

Gaussian Smoothing at Different Scales



Balancing act: smooth enough to "clean up" the noise, but not so much as to remove important image gradients.

Notes on image segmentation