

PROJECT 2

1. Combining Spatial Enhancement Methods

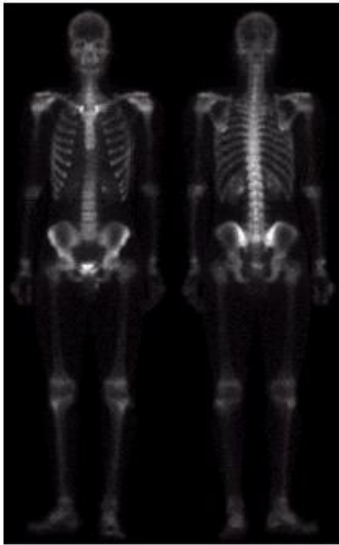
Successful image enhancement is typically not achieved using a single operation

Rather we combine a range of techniques in order to achieve a final result

This example will focus on enhancing the bone scan to the right

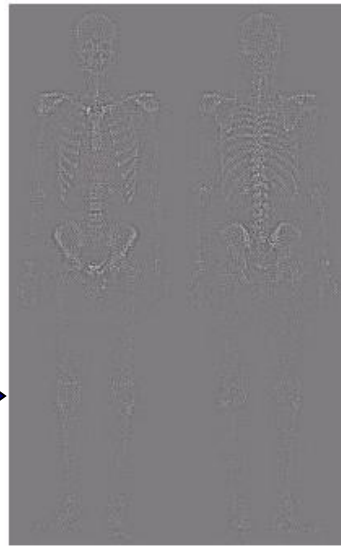


Combining Spatial Enhancement Methods (cont...)



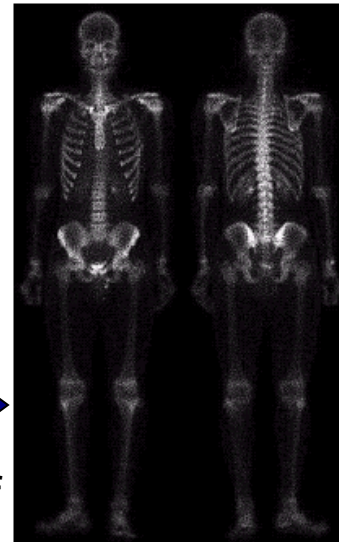
(a)

Laplacian filter of
bone scan (a)



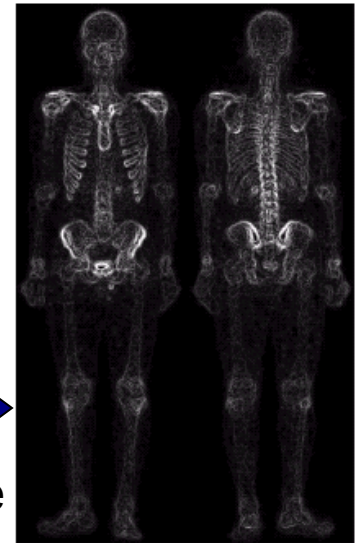
(b)

Sharpened version of
bone scan achieved
by subtracting (a)
and (b)



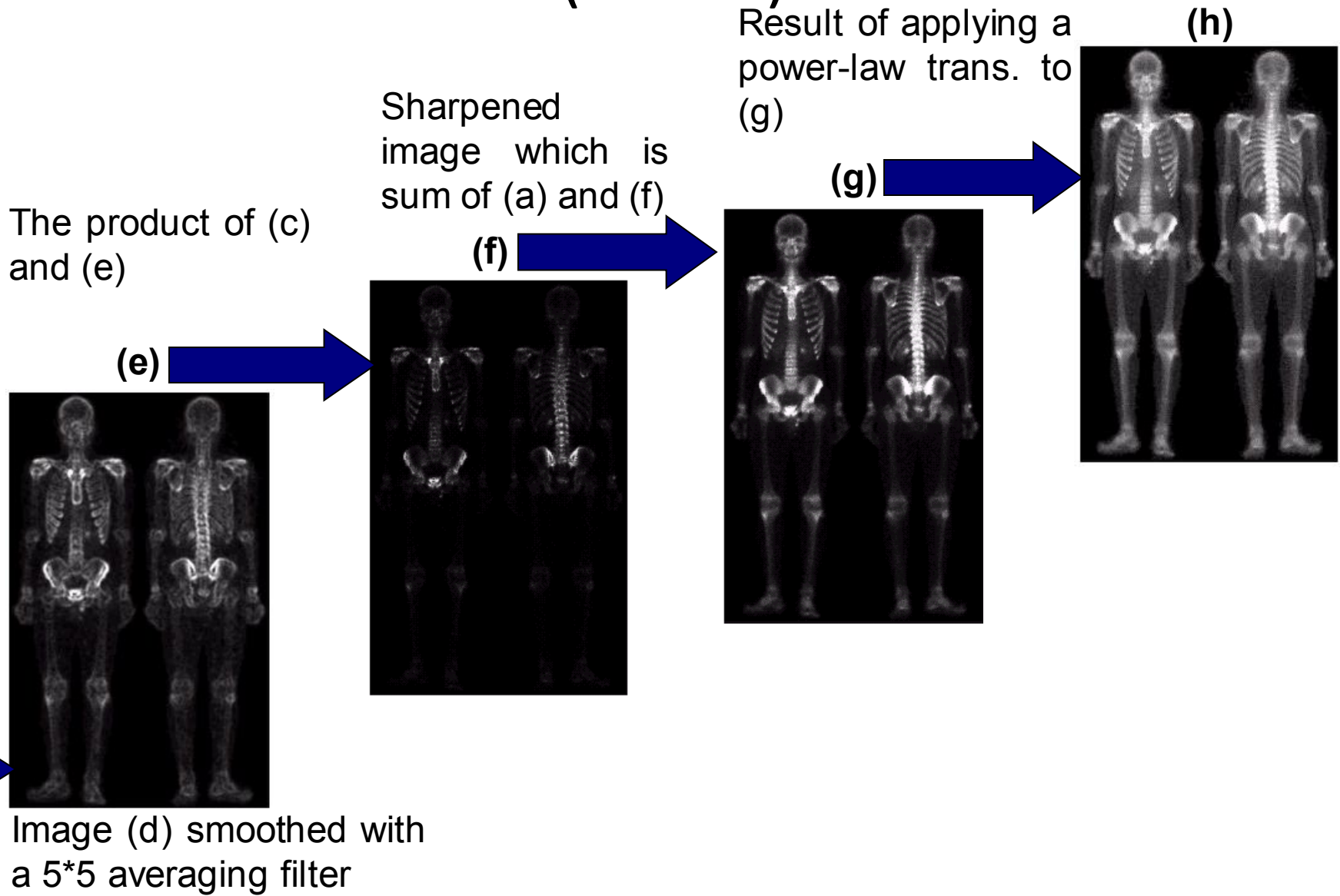
(c)

Sobel filter of bone
scan (c)



(d)

Combining Spatial Enhancement Methods (cont...)



Combining Spatial Enhancement Methods (cont...)

Compare the original and final images

