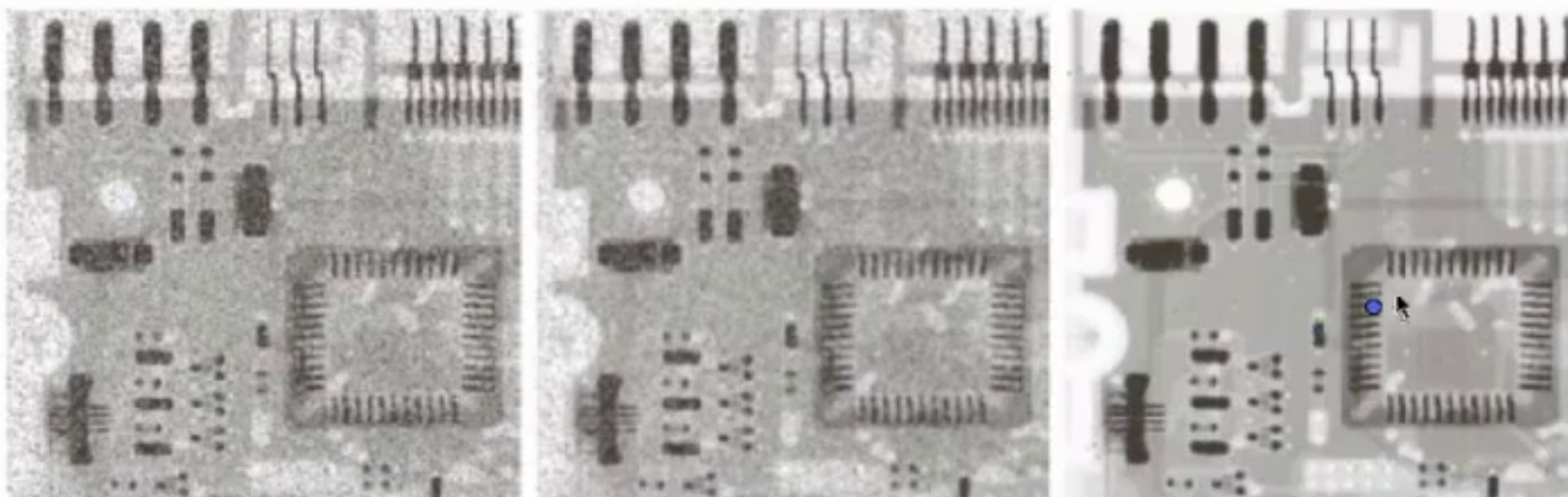
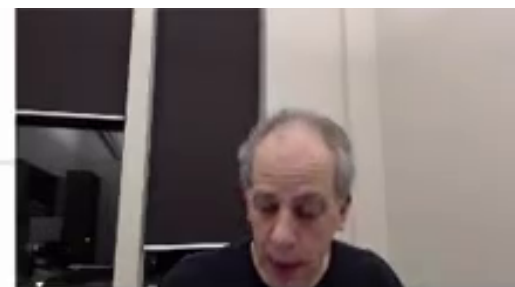




Digital Image Processing, 3rd ed. Gonzalez & Woods

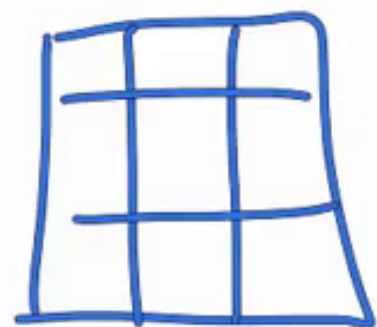
www.ImageProcessingPlace.com

Chapter 3 Intensity Transformations & Spatial Filtering



a b c

FIGURE 3.35 (a) X-ray image of circuit board corrupted by salt-and-pepper noise. (b) Noise reduction with a 3×3 averaging mask. (c) Noise reduction with a 3×3 median filter. (Original image courtesy of Mr. Joseph E. Pascente, Lixi, Inc.)



$$\sum_i (a - a_i)^2$$

Mean

$$\sum f(a - a_i)$$

$$\sum |a - a_i|$$

