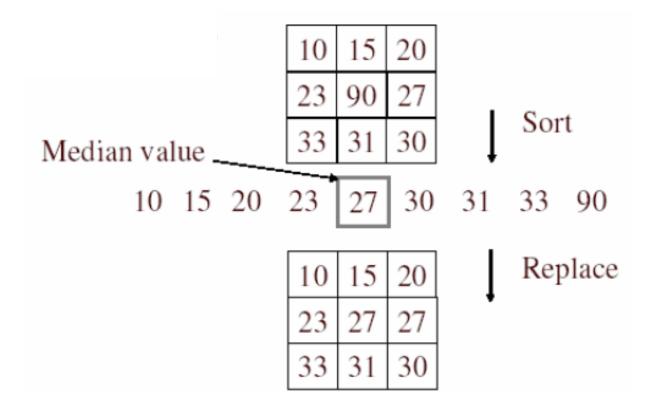
Alternative idea: Median filtering

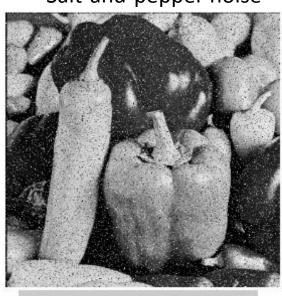
 A median filter operates over a window by selecting the median intensity in the window



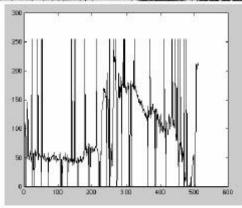
Is median filtering linear?

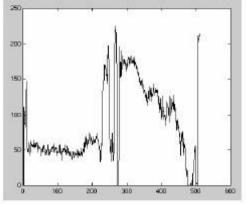
Median filter

Salt-and-pepper noise Median filtered









Other non-linear filters

Weighted median (pixels further from center count less)

 Clipped mean (average, ignoring few brightest and darkest pixels)

Bilateral filtering (weight by spatial distance and intensity

difference)



Bilateral filtering