**Median Filter vs weighted Median Filter**

weighted median is better , although both filters are reducing the random noise and they are also remove fine image detail such as lines, but weighted median filter take in consideration the contribution of each pixel depending on how much that pixel is important and that will affect positively the needed pixel value .

Note: the code runs for odd filter normally but for even filters it have to remove the 1 from backword and forward values that calculate te image part I try to make it with if condition but it seems doesn’t work with if conditions