



a10 (gaussian\_noise 10): 13.599607807300009



a10\_1 (3x3 Box Filter): 17.658119746464237



a10\_2 (5x5 Box Filter): 14.796591487541546



a10\_3 (3x3 Median Filter): 17.58395091475316



a10\_4 (5x5 Median Filter): 15.908868633113869



a10\_5 (Morphological Opening): 13.690682690993858



a10\_6 (Morphological Closing): 14.97542132770879



a30 (gaussian\_noise 30): 4.175409439774651





a30\_1 (3x3 Box Filter): 12.41382720956453



a30\_2 (5x5 Box Filter): 12.840224902189696



a30\_3 (3x3 Median Filter): 10.947424658288522



a30\_4 (5x5 Median Filter): 12.477912257006551



a30\_5 (Morphological Opening): 10.343192412496174



a30\_6 (Morphological Closing): 10.566156782440409



b005 (pepper\_and\_salt 0.05): 0.8960475845022507



b005\_1 (3x3 Box Filter): 9.285375338376397





b005\_2 (5x5 Box Filter): 10.617402222995093



b005\_3 (3x3 Median Filter): 17.511552710051834



b005\_4 (5x5 Median Filter): 14.633861581177502



b005\_5 (Morphological Opening): 0.177037313393981  
74



b005\_6 (Morphological Closing): -0.06076298430814  
275



b01 (pepper\_and\_salt 0.1): -2.097107355917343



b01\_1 (3x3 Box Filter): 6.172854416513415





b01\_2 (5x5 Box Filter): 7.859545407094043

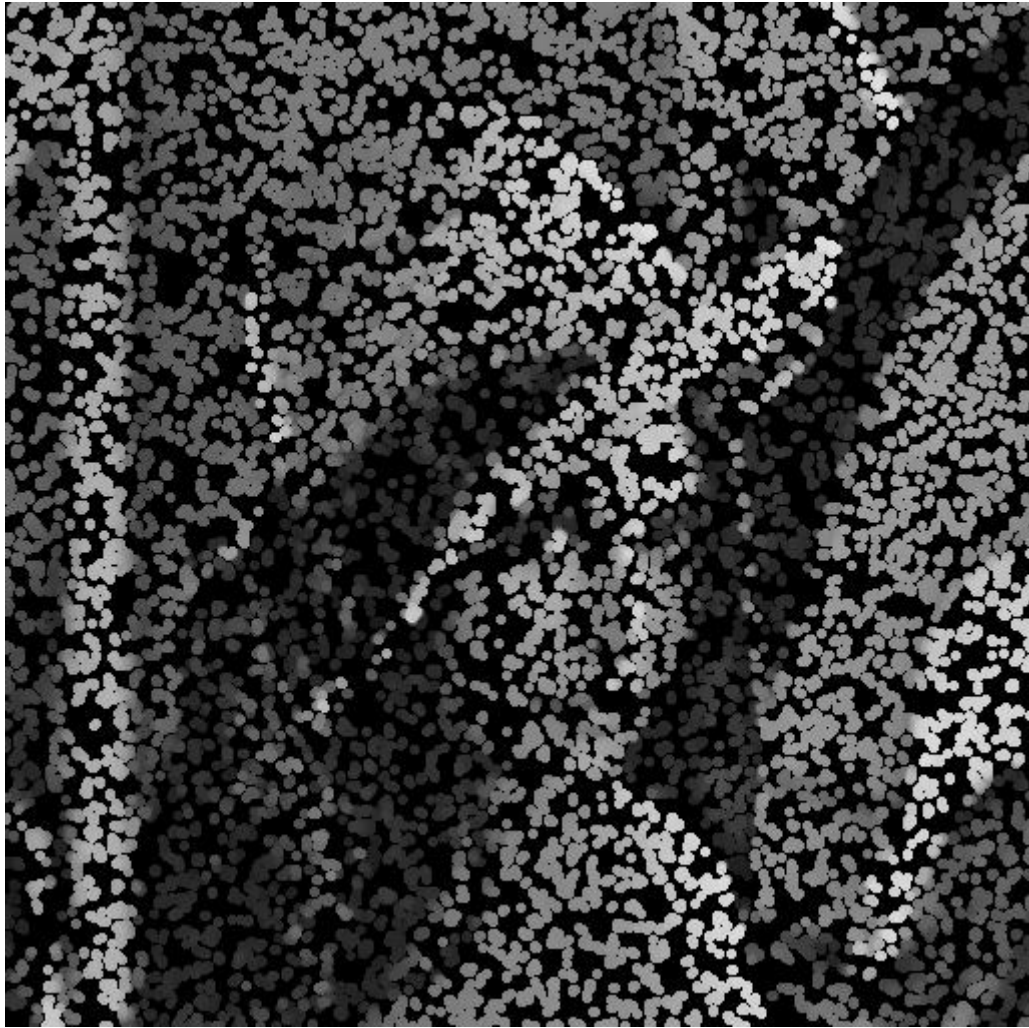




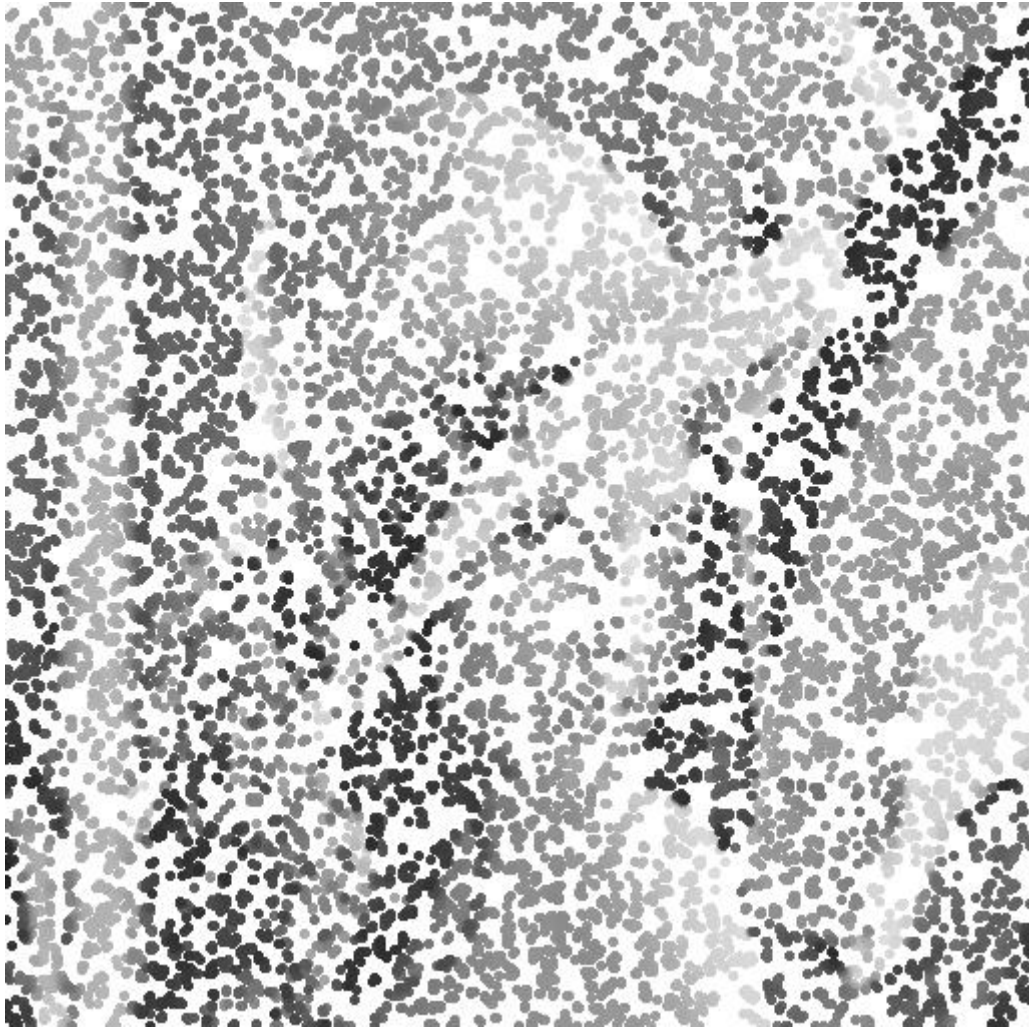
b01\_3 (3x3 Median Filter): 13.766479581725058



b01\_4 (5x5 Median Filter): 12.870879705986937



b01\_5 (Morphological Opening): -2.871180647994016  
5



b01\_6 (Morphological Closing): -3.266113146142543  
7