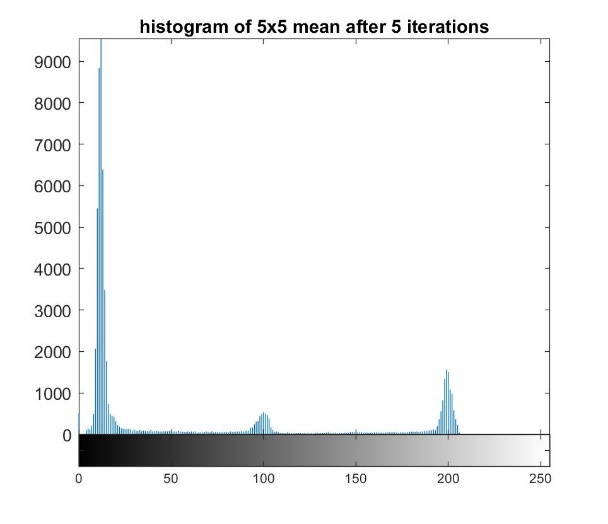
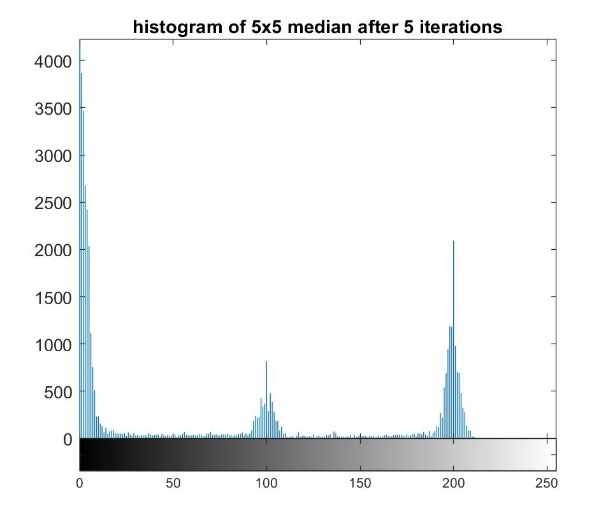
## **4. Results**

### **4.1 Nonlinear Filtering**

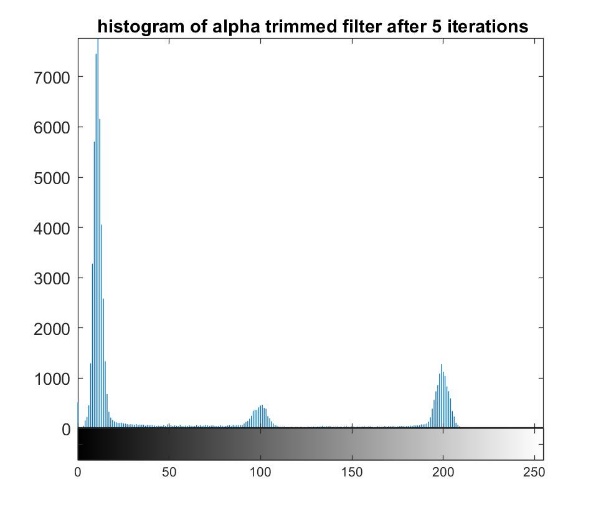




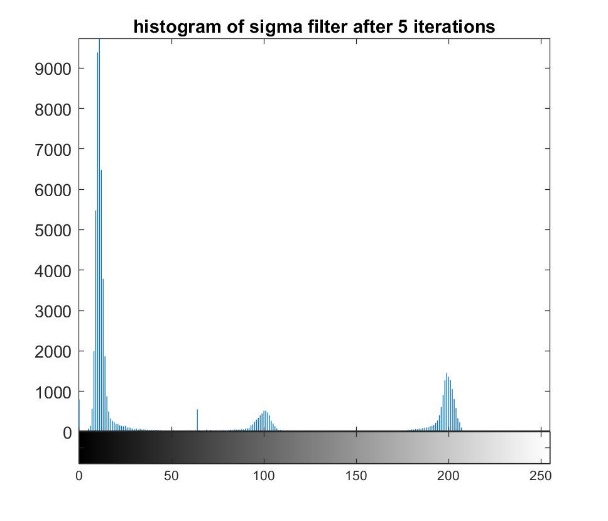
Mean Filter



Median Filter

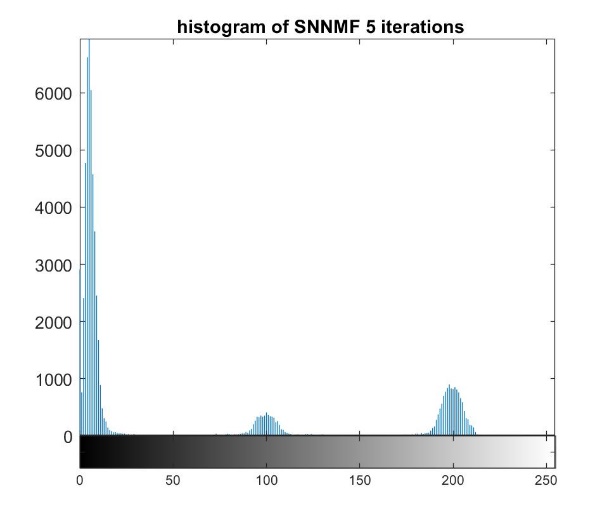
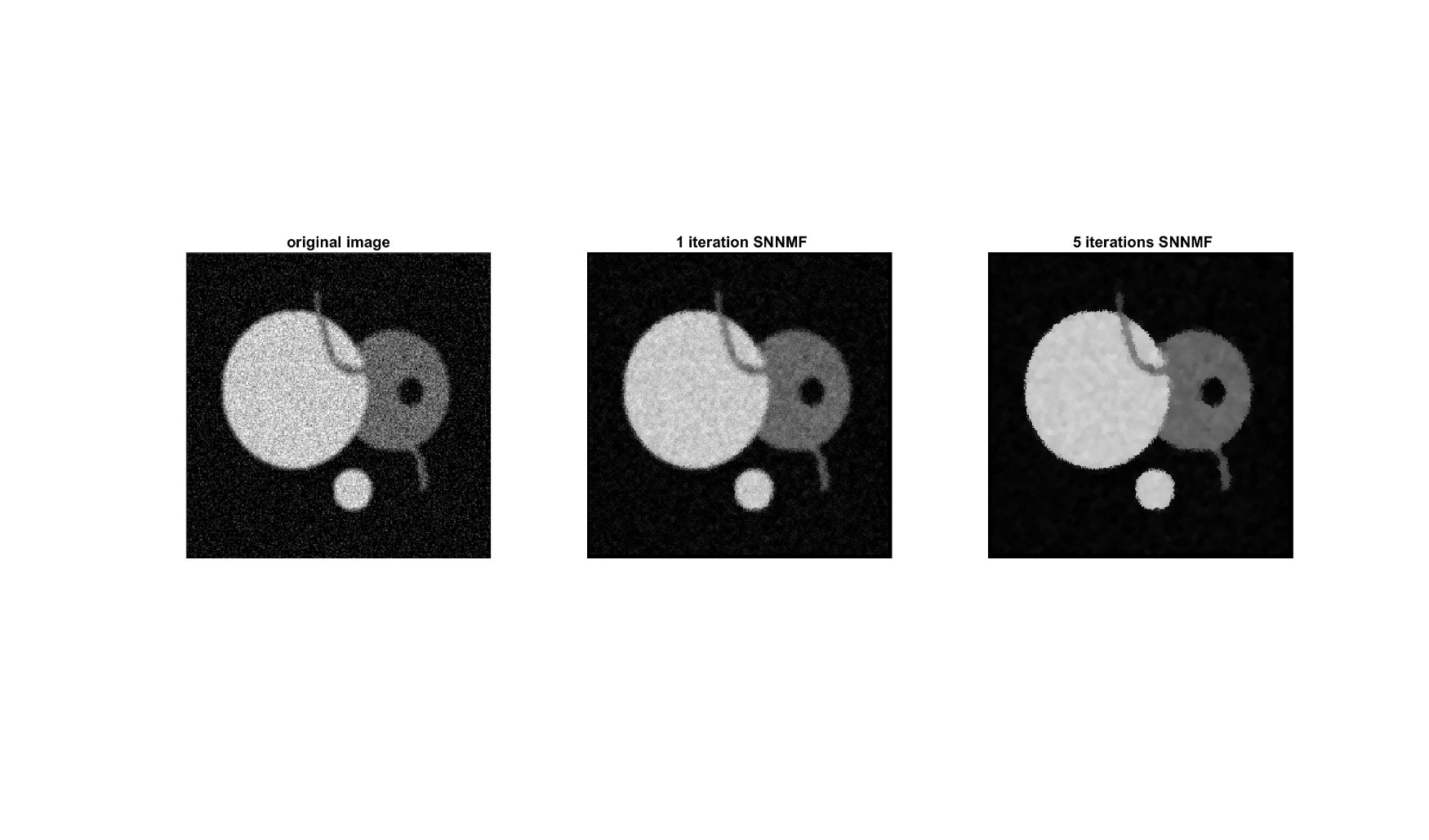
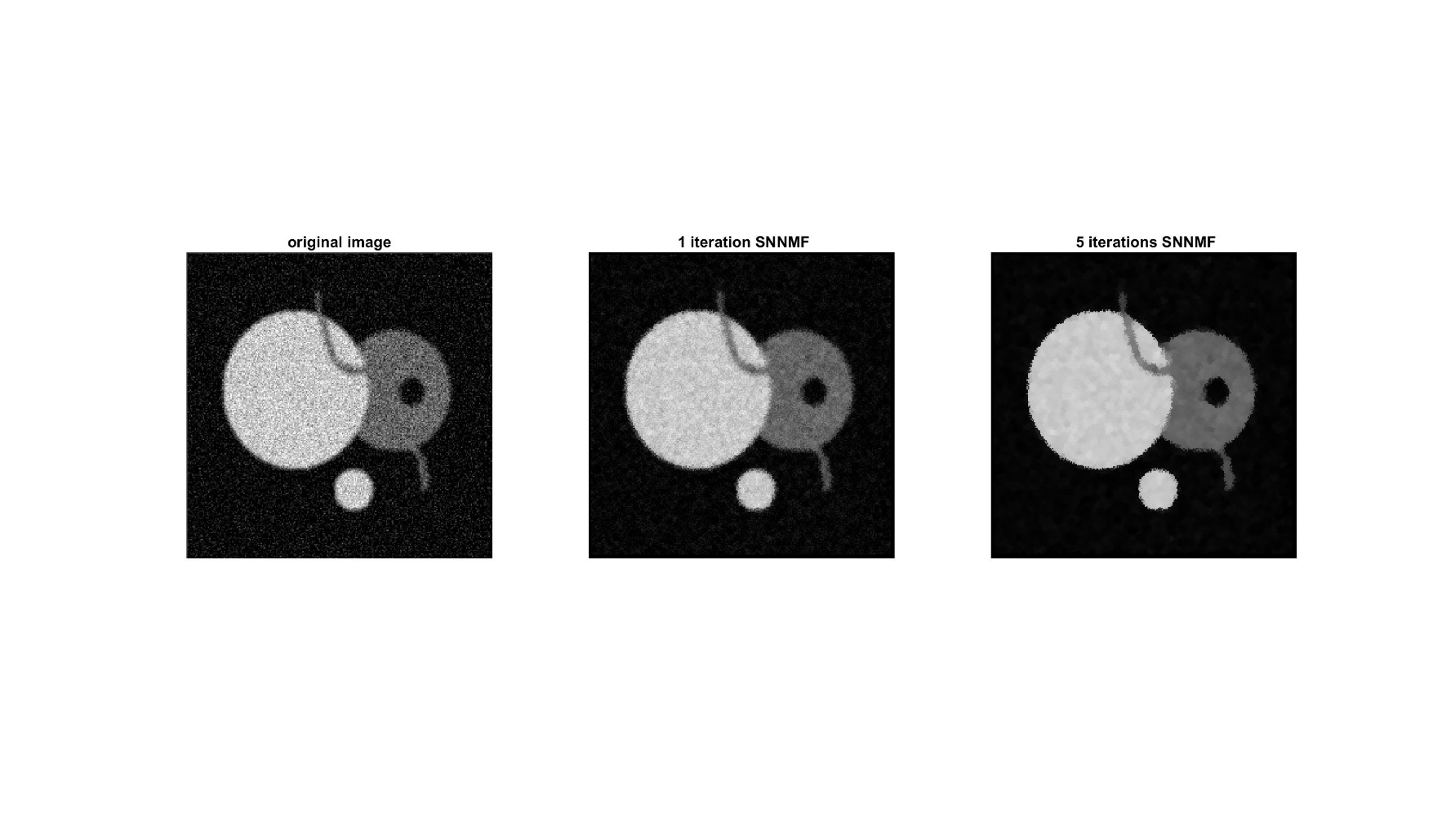


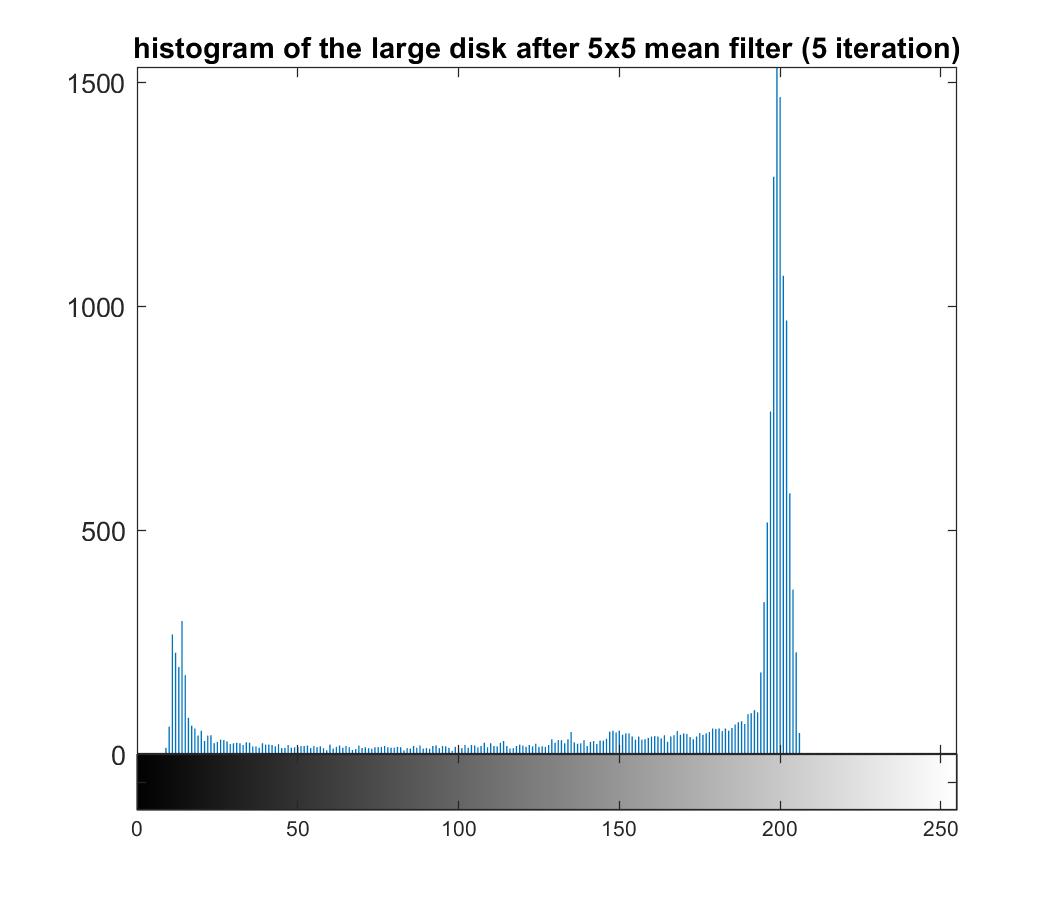
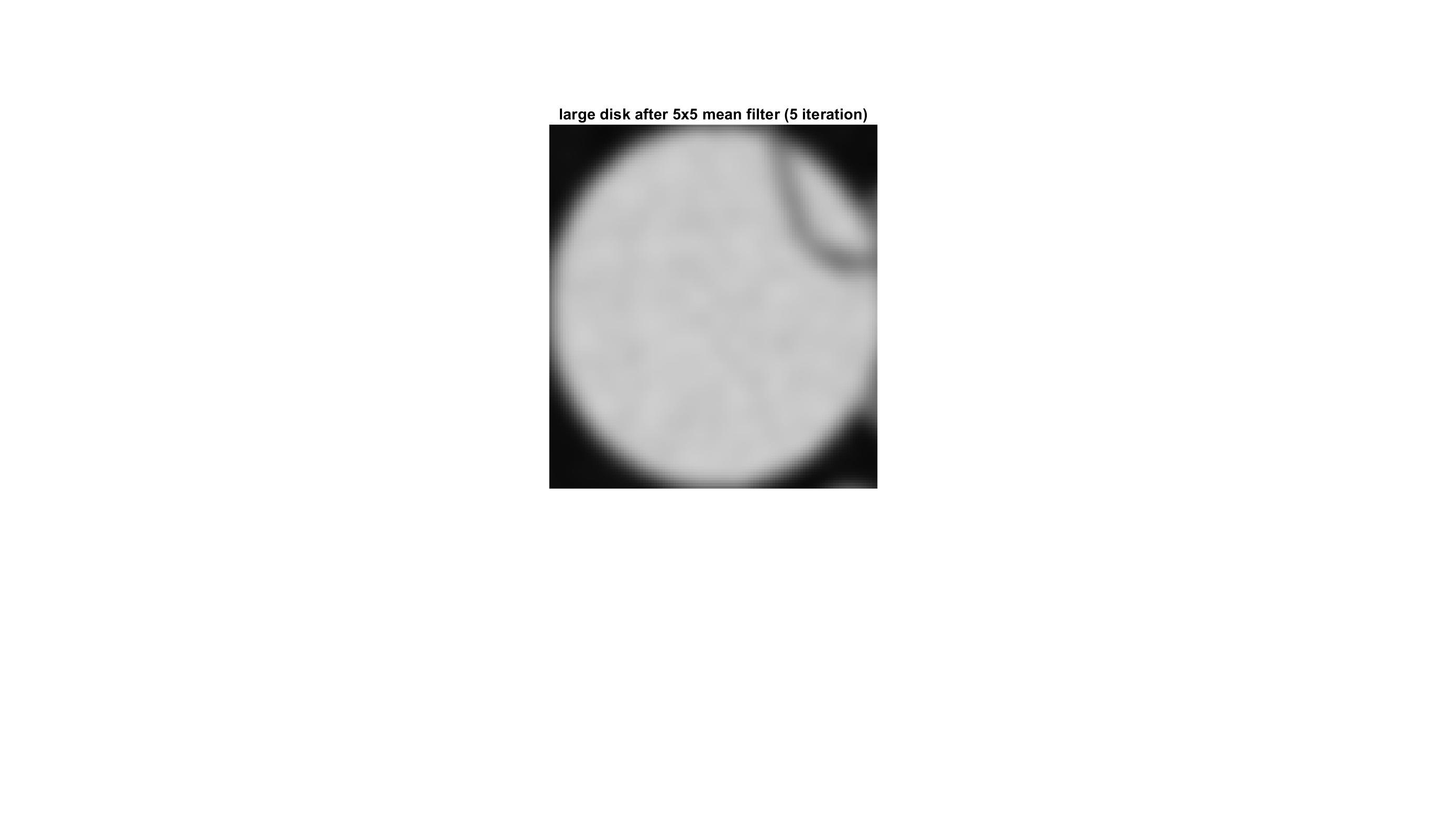
Alpha-Trimmed Mean Filter



SNNMF

Sigma Filter





|  |  |  |
| --- | --- | --- |
|  | Mean | Std |
| 5x5 mean filter | 188.69792 | 22.589779 |
| 5x5 median filter | 191.80400 | 21.022482 |
| 5x5 alpha-trimmed mean filter | 190.12857 | 22.155251 |
| 5x5 sigma filter | 192.49910 | 21.504250 |
| 5x5 symmetric nearest-neighbor mean filter. | 190.12857 | 22.155251 |