

Assignment 2: Medical Image Processing

Question 2 report –

(a) Noise is complex Gaussian noise with standard deviation: 0.084 (real part is 0.06 and imaginary part is 0.058)

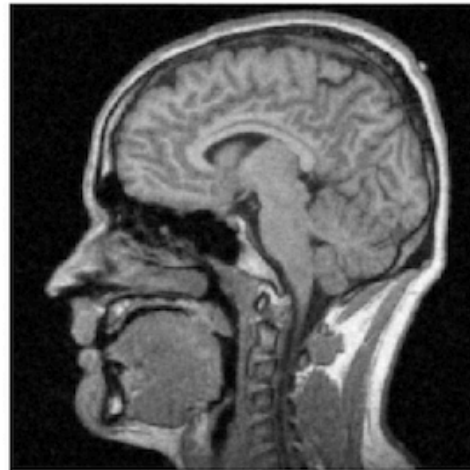
(b)

Quadratic ($\alpha = 0.47$):

Noisy Image



Denoised Image



Huber ($\alpha=0.75$, $\gamma=0.06$):

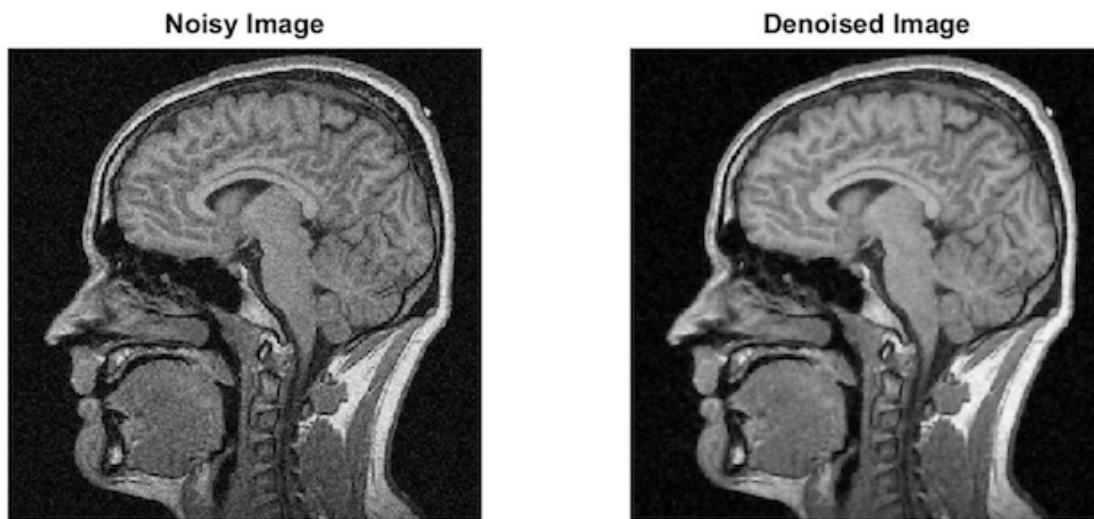
Noisy Image



Denoised Image

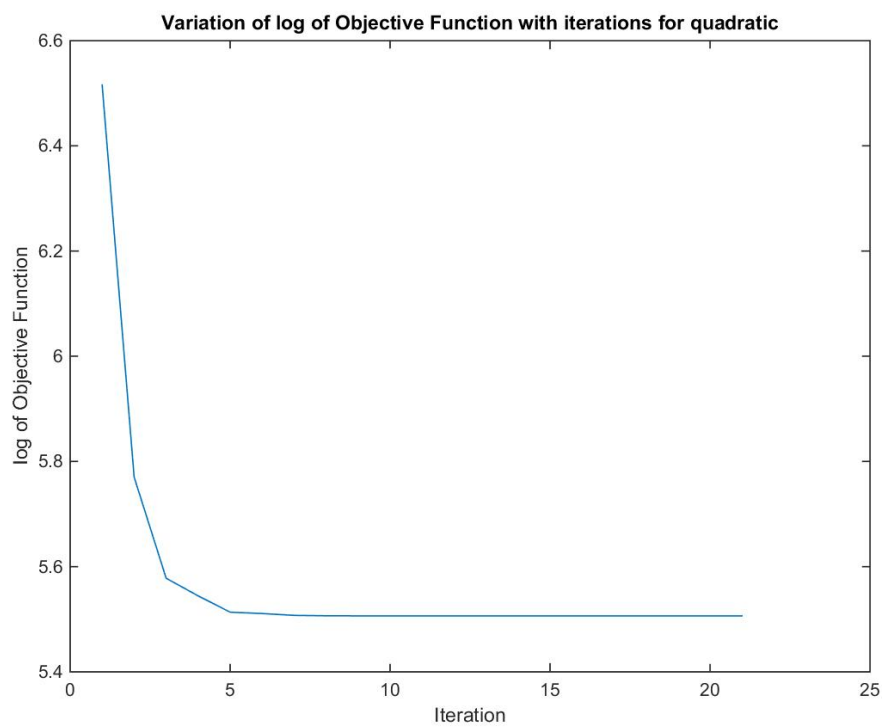


Discontinuity adaptive ($\alpha=0.75$, $\gamma=0.08$):

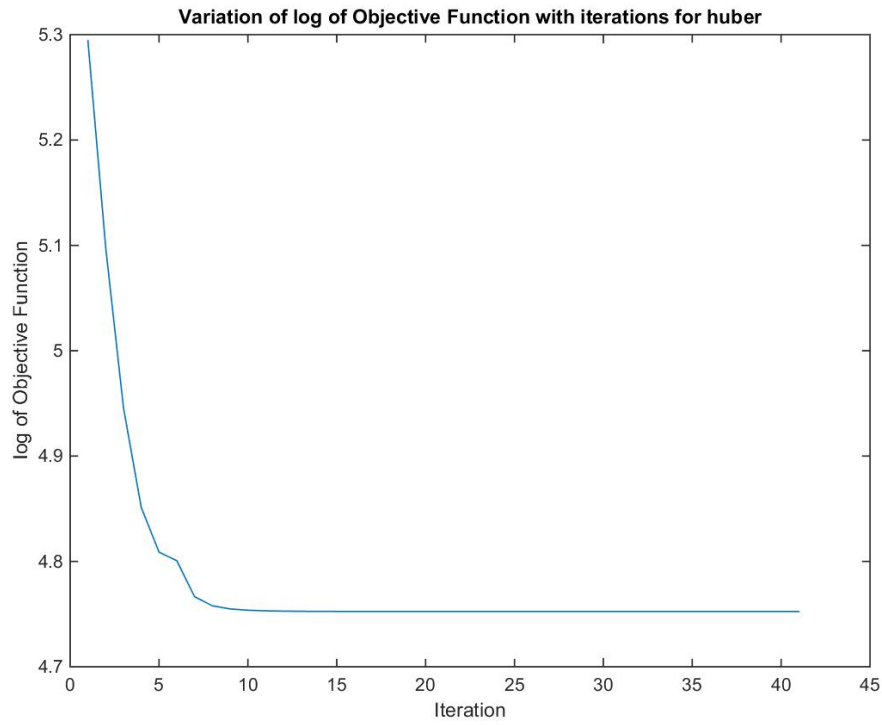


(c)

Quadratic log of objective function:



Huber log of objective function:



Discontinuity adaptive log of objective function:

