Assignment 3.2

Pradyot Prakash - 130050008
Utkarsh Mall - 130050037
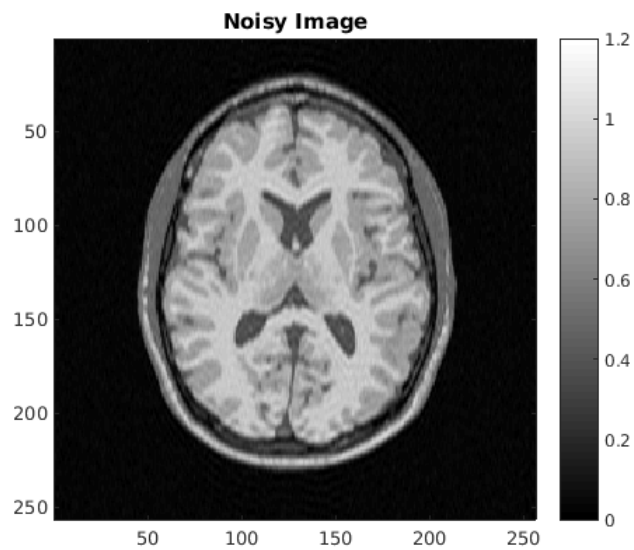Samarth Mishra - 130260018

March 26, 2017

(a)
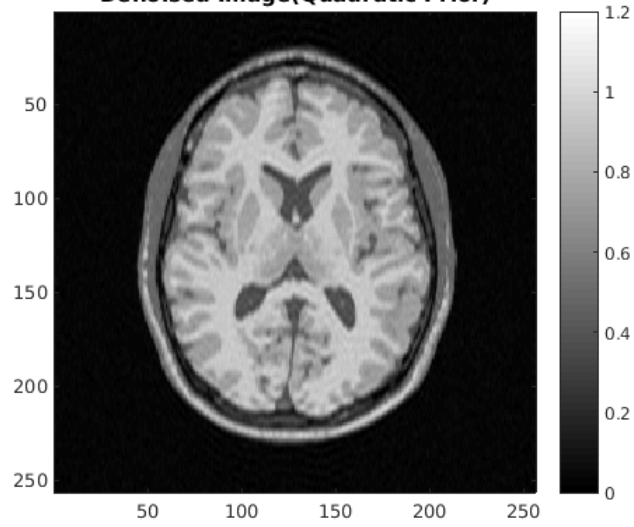
Optimal Values of parameters :
Quadratic Prior : $\alpha = 0.001$
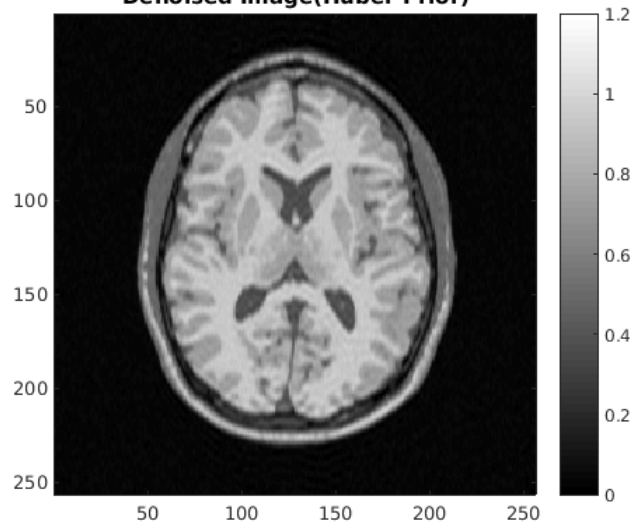Huber Prior : $\alpha = 0.00015, \gamma = 0.25$
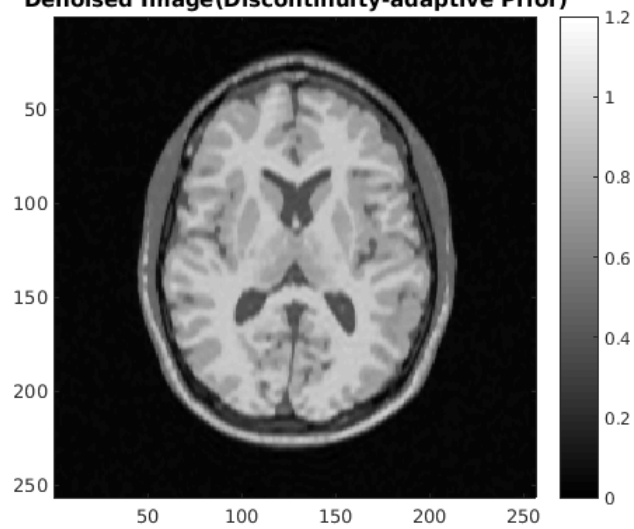Discontinuity-adaptive prior : $\alpha = 0.00002, \gamma = 0.05$

Denoised Image(Quadratic Prior)

Denoised Image(Huber Prior)

Denoised Image(Discontinuity-adaptive Prior)

(b)

Objective Function vs Iteration(Quadratic Prior)

Objective Function vs Iteration(Huber Prior)

Objective Function vs Iteration(Discontinuity-adaptive Prior)