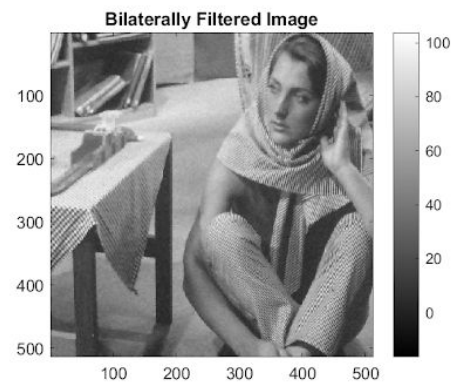
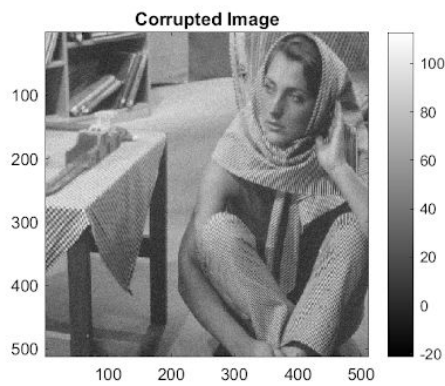


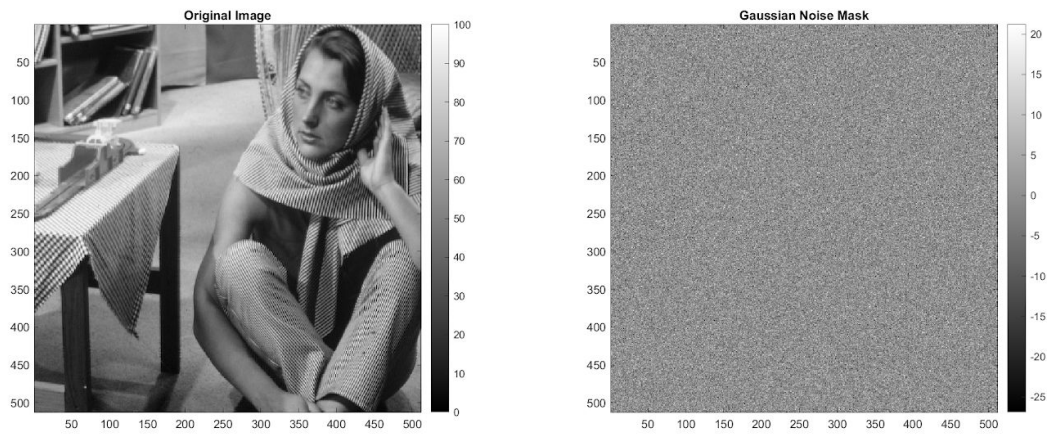
Report : Part 2 : Assignment 2

1) Barbara Pic (Original Image) :



Pixel Value

The gaussian noise added was :



Pixel info: (400, 135) 30.77

The optimal values for this pic are :

Intensity_sigma : 10

Spatial_sigma : 1.40

RMSD best

3.2992

RMSD 0.9 x optimal spatial

3.3031

RMSD 1.1 x optimal spatial

3.3005

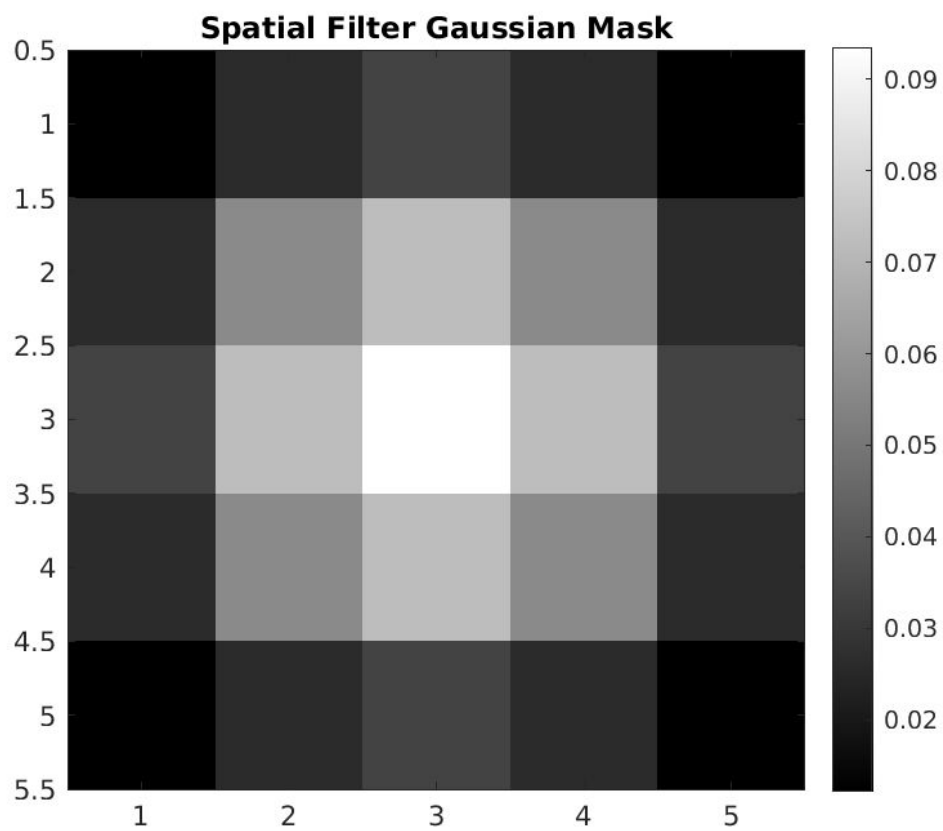
RMSD 0.9 x optimal intensity

3.3269

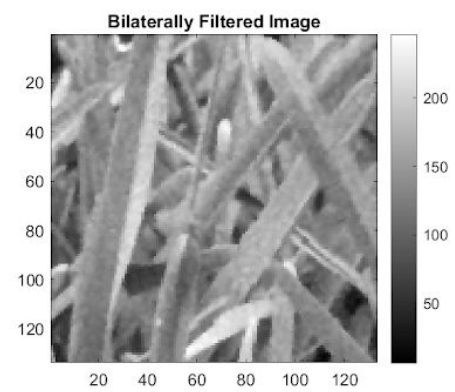
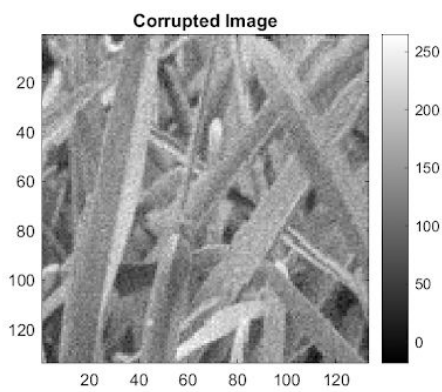
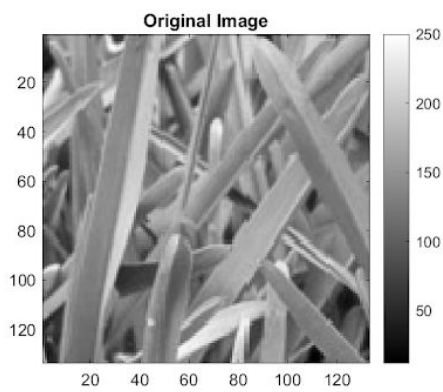
RMSD 1.1 x optimal intensity

3.3086

The spatial gaussian mask used :

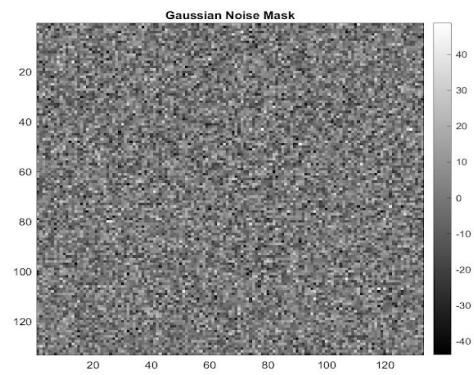
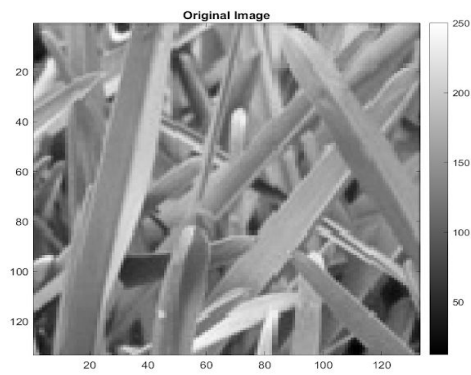


2) Grass Pic :



Pixel Value

The gaussian noise added was :



Pixel info: (104, 35) 144

The optimal parameters :

42.8400 - intensity sigma

0.9000 - spatial sigma

%% Grass Pic %%

RMSD best

7.3624

RMSD 0.9 * spatial

7.3798

RMSD 1.1* spatial

7.3770

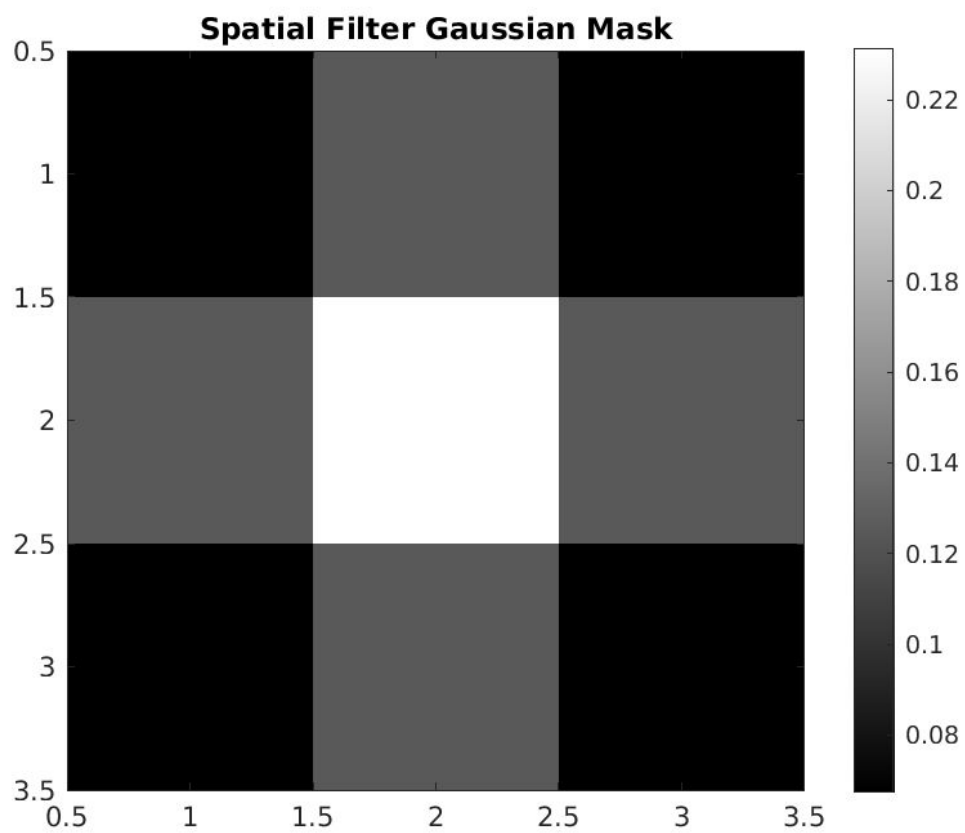
RMSD 0.9 *intensity

7.3746

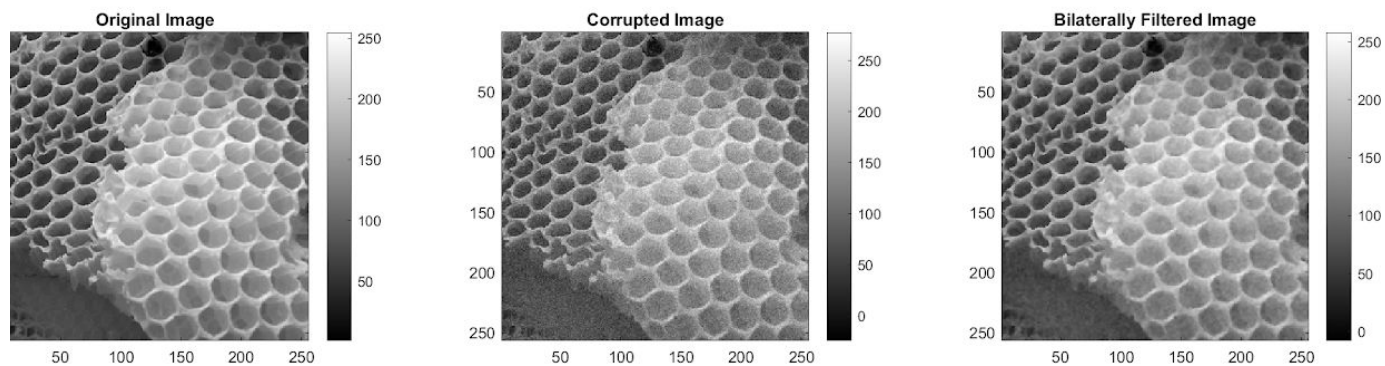
RMSD 1.1 *intensity

7.3849

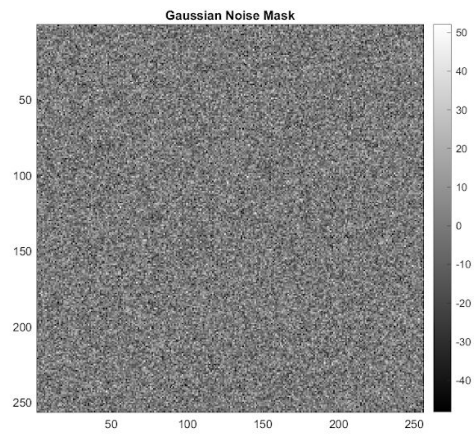
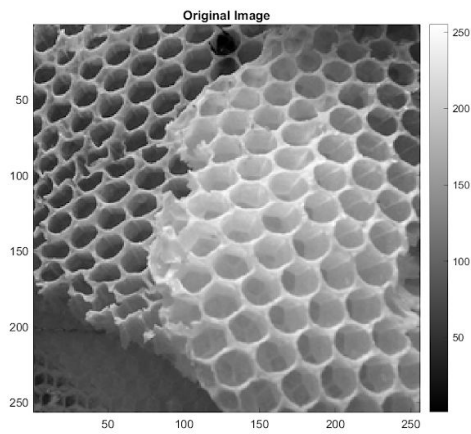
The spatial gaussian mask used :



3) Honey Comb Pic :



The gaussian noise added was :



Pixel info: (200, 68) 119

Intensity-sigma : 40.6400

Spatial_sigma: 1.1000

% Honey Pic %%

RMSD best

7.3495

RMSD 0.9 spatial

7.3716

RMSD 1.1 spatial

7.5309

RMSD 0.9 intensity

7.3782

RMSD 1.1 intensity

7.3695

The gaussian mask for spatial used was :

