1.PPT(43) PPT(120)

2.The shape of Gaussian function differs as we change parameters like Sigma,center of Gaussian function. Implement the corresponding results as Sigma increases. All results should be in a single .gif image.(Example at http://img.blog.csdn.net/20160928110256532). You can choose any programming language you are familiar with.

3.Implement the histogram equalization to the input images Q_1_1 and Q_1_2 ; submit your code and the output images.

4.Reduce the salt-and-pepper noise; submit your code and the output image. The input image is here Q_2.

5. (1) Implement in Matlab to read an image, create a Gauss filter of size 4x4, and apply the filter to the image with convolution, padding.

(2)Give one intensity transformation function for spreading the intensities of an image such that the lowest is $I_{\min}$ and the highest is $I_{\max}$, ($0 < I_{\min} < I_{\max} < 255$). Denote by

$f_{max}$ and $f_{min}$ the maximum and minimum intensities values of the input image. Write a program to implement intensity function.