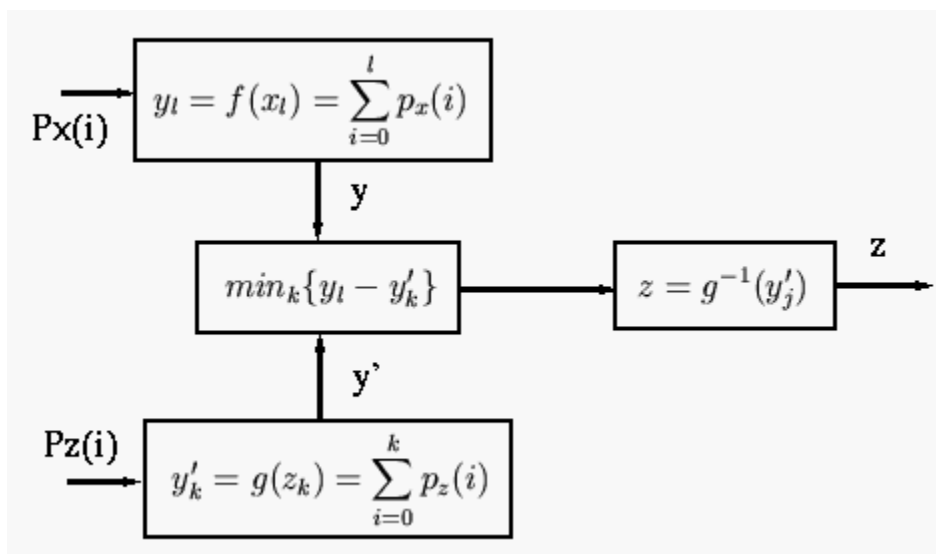


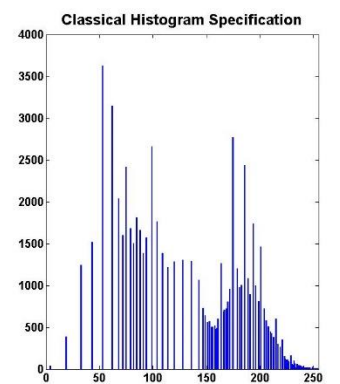
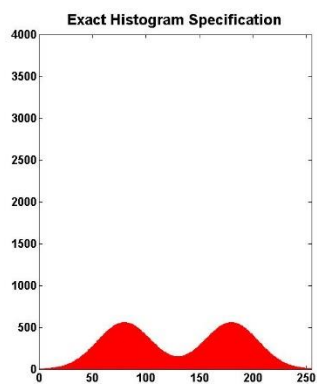
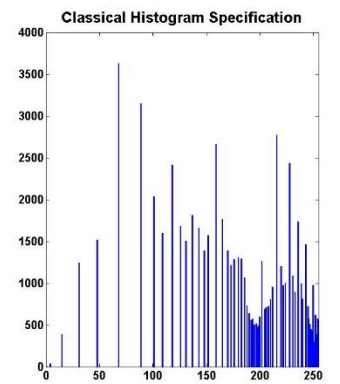
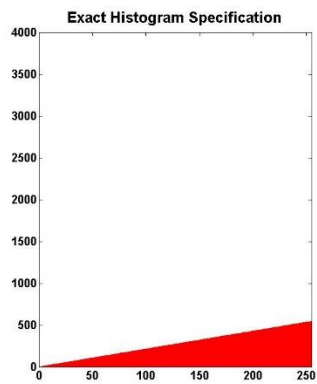
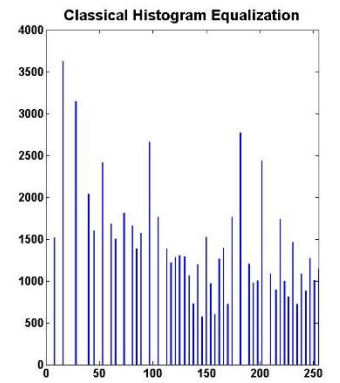
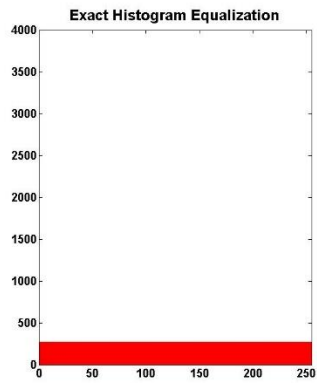
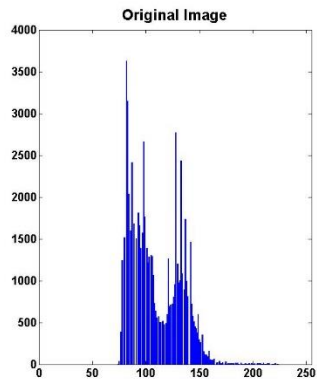
# CSE 4228: Digital Image Processing Lab

## Histogram Matching (Specification)

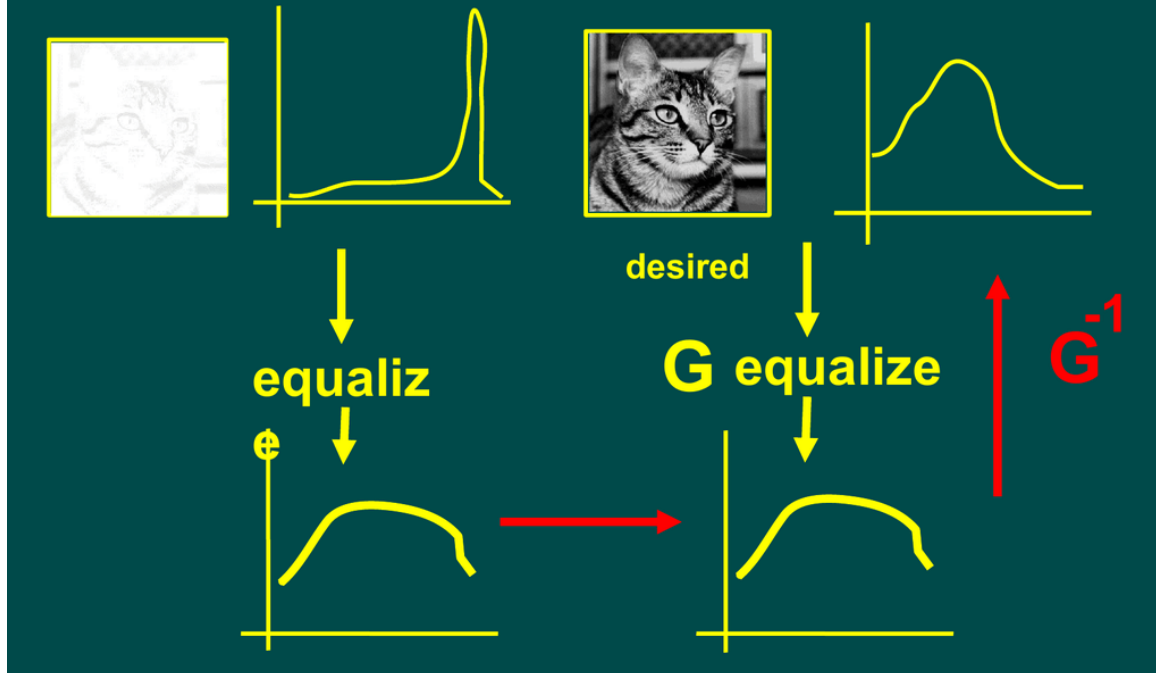
- Histogram equalization has a disadvantage which is that it can generate only one type of output image.
- With Histogram Specification, we can specify the shape of the histogram that we wish the output image to have.
- It doesn't have to be a uniform histogram

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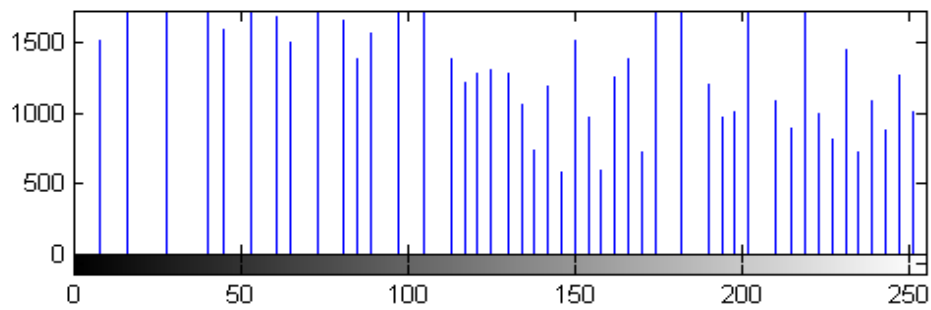
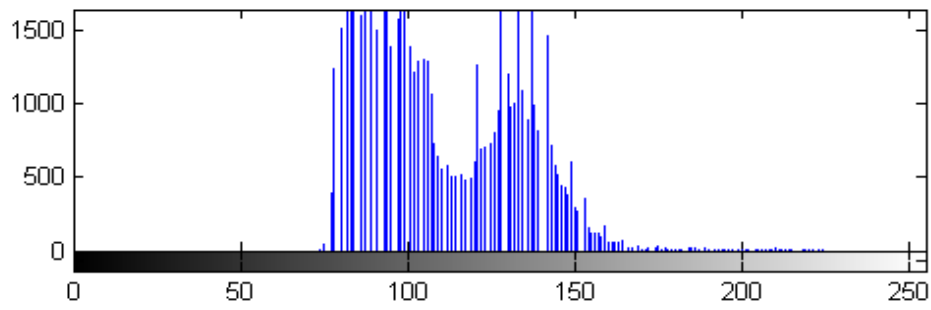


## Histogram Specification



## Histogram Equalization

- As the low-contrast image's histogram is narrow and centered toward the middle of the gray scale, if we distribute the histogram to a wider range the quality of the image will be improved.
- We can do it by adjusting the probability density function of the original histogram of the image so that the probability spread equally



## GLOBAL HISTOGRAM EQUALIZATION

