EN2250 Exercise 2 Intensity Transformations

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1. Carry out gamma correction on the image show in Fig. 1 with $\gamma \in [0.2, 0.8, 1.2, 2]$

Figure 1: Image.

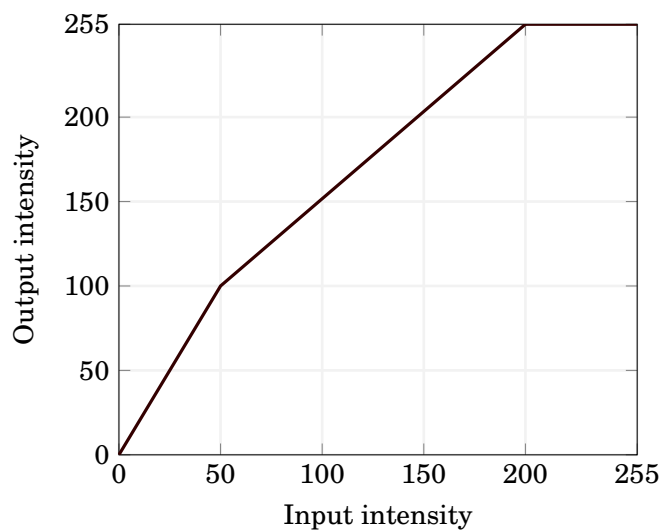2. Implement the intensity transformation in Fig. 2 on the image shown in Fig. 1

Figure 2: Intensity transformation.

3. Fig. 3 shows a somewhat dark image.
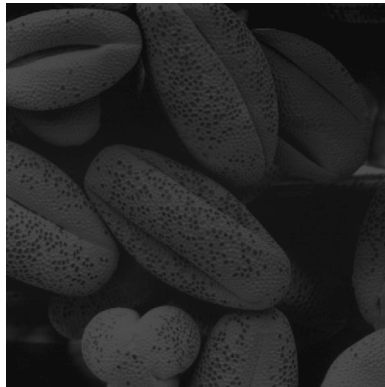
    (a) Show the histogram of the original image.

Figure 3: Image for histograms.

   (b) Histogram equalize the image.

   (c) Show the histogram of the equalized image.

4. Fig. 4[1] shows an image probably of the Zion park.

Figure 4: Image for enhancement.

   (a) Enhance the saturation of this image.

   (b) Change the hue to your liking.

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[1]https://helpx.adobe.com/lightroom-cc/how-to/color-adjustment.html