數位影像處理 DIP Chapter3 Homework (100 pts)

1. Please depict the **histogram** and **graph** of the assigned image "aerial_view.tif", and print out the source code? (10)

2. Please plot the **histogram** and **graph** of the image **after Histogram Equalization**, and print out the source code? (30)

3. Please plot the **histogram** and **graph** of the image **after Histogram Matching (specificiation) by** $p_{z(z_q)} = c \cdot z_q^{0.4}$, and print out the source code? (**NOTE**: the parameter, c, needs to calculate in advance) (40)

4. Please **comment** the original, the histogram-equalized and the histogram-matching images ? (20)