

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 (specification)** 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)