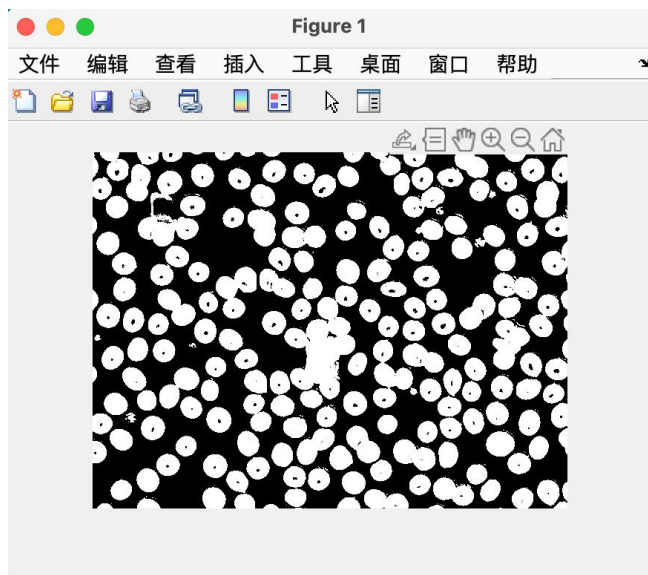


Report of Lab1 Mike Li

P1.1

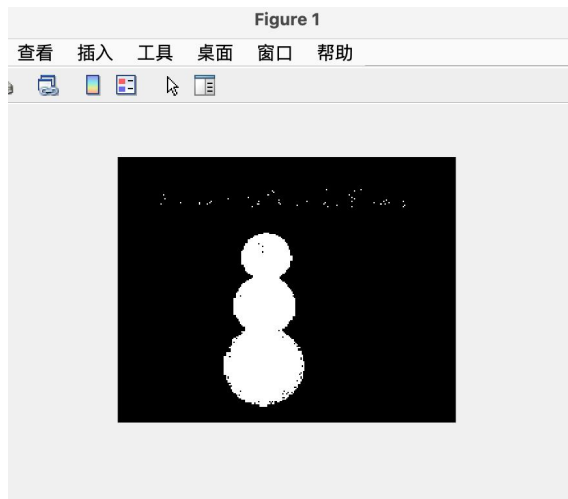
My threshold is 220. The output image is



P1.2

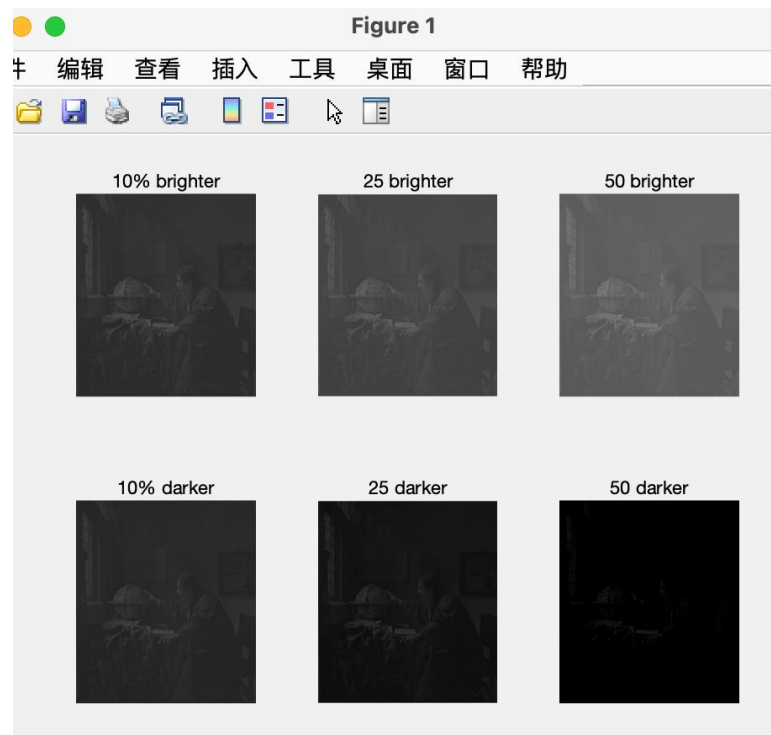
My first threshold is 80 and my second threshold is 180.

outcome:

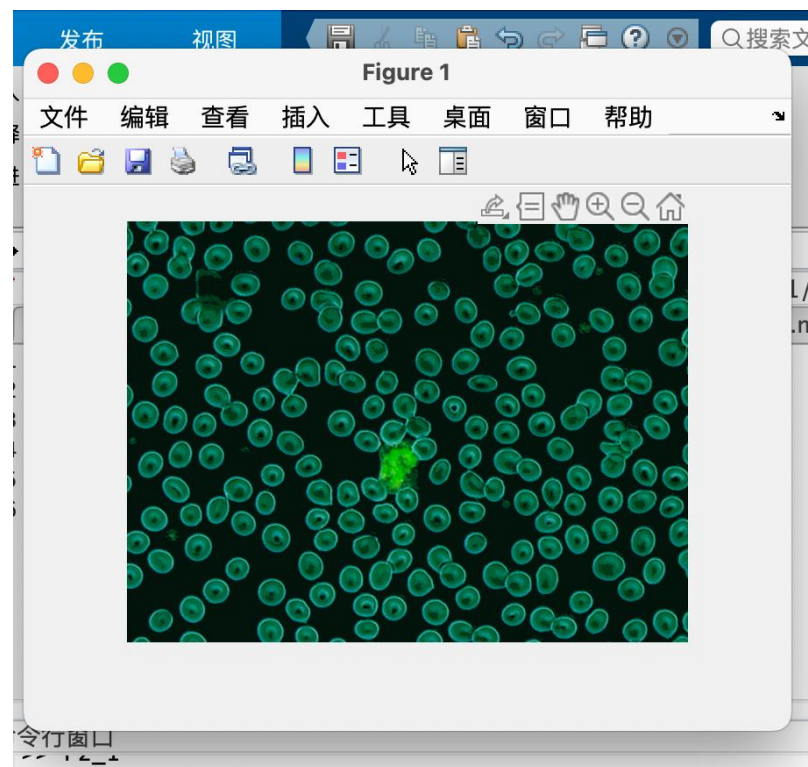


P2.1

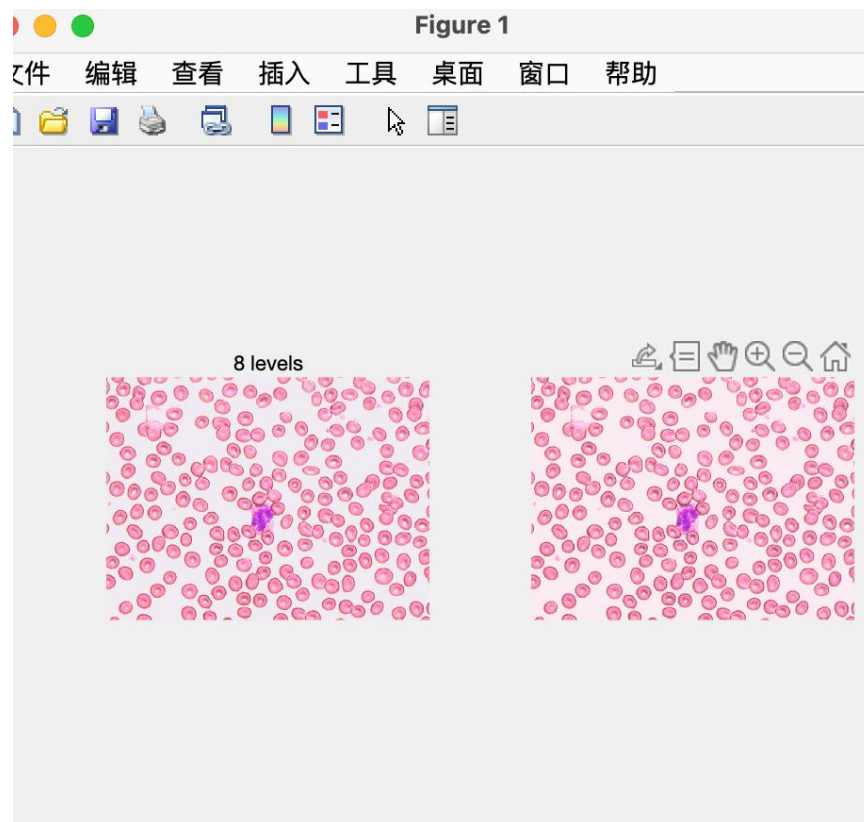
I tried increase/decrease the light intensity by 10%, 25, and 50.



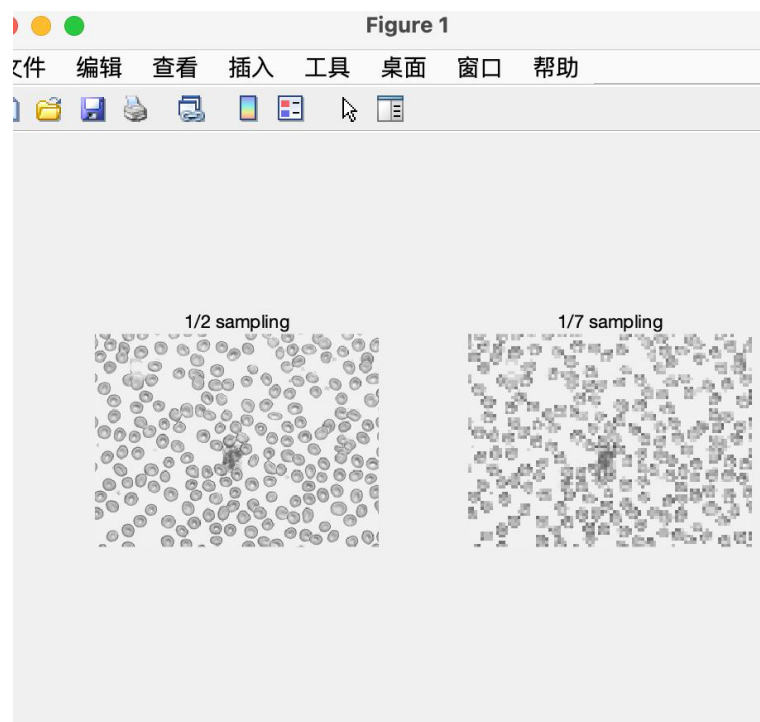
P2.2



P3

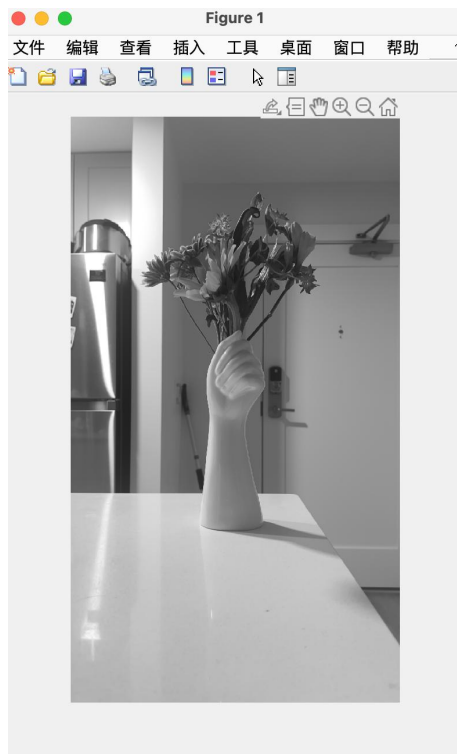


P4

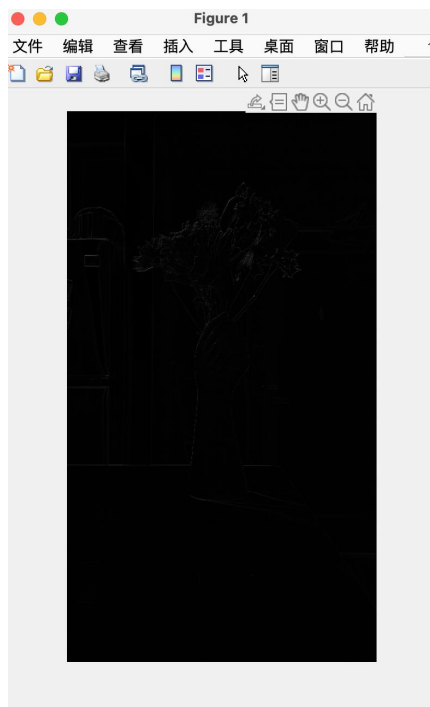


P5.1

mean img:



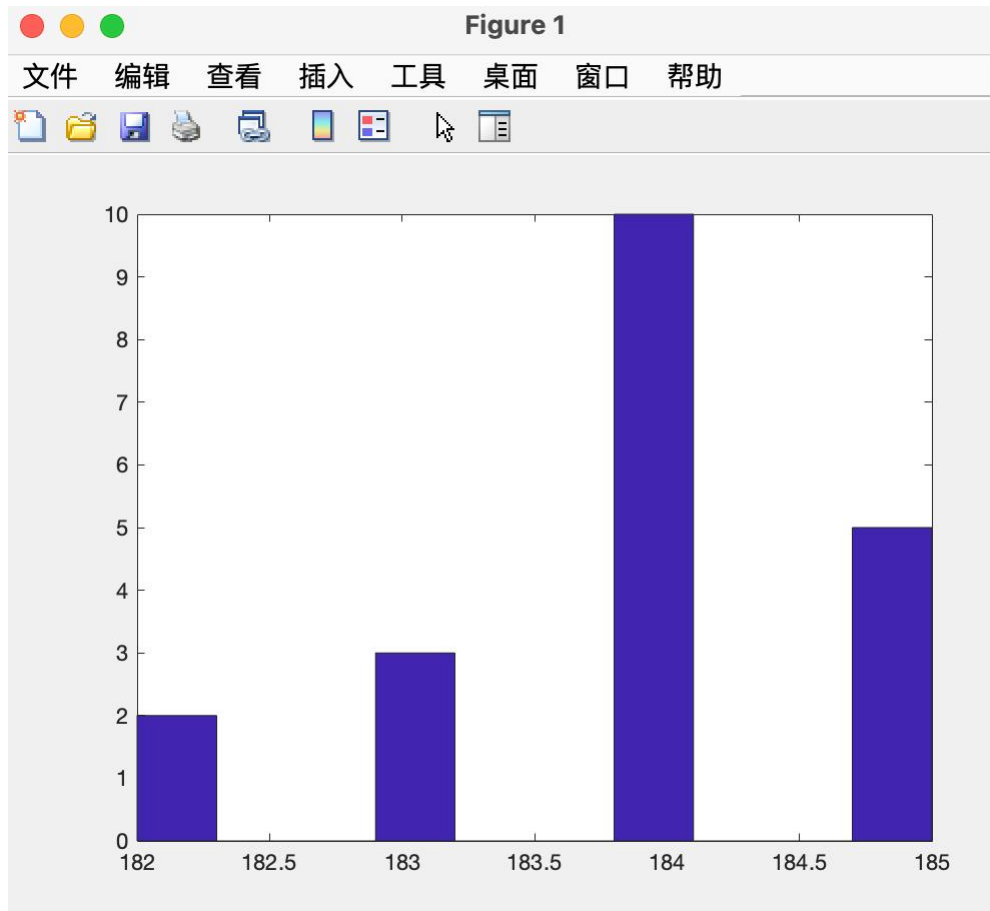
std img:



P5.2

The maximum difference is $1.3791e+05$

P5.3



Here is the (1, 1) pixel histogram for these 20 diagrams.