This is the tube stratification project I did during my internship. I finished all the project by myself.

We need 2 parameters to run this, the first one is the input image path(and file name) and the second one is the output image path.

Command example: main.py 1.jpg output1.jpg

Currently we have some tube images. However the images are not “pure”, there are interfering light and stickers on it. Our job is to identify stratification under such circumstances.

After you run the command, the program will output an image with lines drawn on stratification. It will also print the coordinates of the lines drawn and length of each layer.

The zipped file includes 2 sample images, you can use these images to test.

This project can still be further improved. For example, we can add a loop outside to iterate trough all images in one folder.