

Florida Polytechnic University

CAP 5410

Lab #1.2

Due Date: Wednesday, September 21, 2022, by 11:59 pm. In your Lab, please be sure to explain all mentioned points CLEARLY. This is an individual lab. ***Submit your lab in electronic format (only on canvas, do not email me). I am attaching a template of the report.***

Submit a report about your work for this lab by the due date (as mentioned above). Solutions and results need to present in the report.

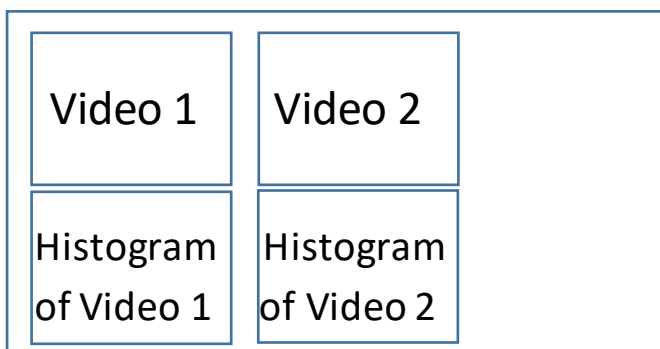
This lab requires you to implement knowledge of Video loading.

Tasks

In short, for this assignment you do the following:

- 1) Load the given video on the screen.
- 2) Draw the histogram of that video on the screen.
- 3) Load the same given video on the screen.
- 4) Draw the histogram of the same given video on the screen.
- 5) Both videos should run continuously means when the video finishes it should restart byself from frame 1.

So final output will be like this:



- You may use OpenCV or any tool **other than MATLAB** to achieve some basic operations such as file I/O or histogram mapping.

Report

To finalize your report,

- Start with identifying yourself and provide a title for your report,
- Describe your work,
- Include samples of outputs of your program in this report possibly have references included,
- Do not copy from somewhere without proper citation and reference but aim at writing in your own words.
- **Submit sources and reports (in pdf format) in one zip file.**

Wish You the Best of Luck