Empirical study of face detection

How to execute

The attached zipped folder contains the following named files:

- cascade_detector
- cascade_detector_LBP_prototype
- gabor_extract
- helper
- integral_image
- LBP_image and
- The image set

The Gabor_extract takes image as a input, converts it into an integral image extracting the features of that image.

- Place the trained data set(as in the zipped folder) in the path mentioned as in the cascade_detector program and run it using python3.
- It gives all the true positives , true negatives , false positives, false negatives for every epoch of training.
- Once the model is trained, change the data set to test and run the same program. This gives the accuracy of the test data set.
- Repeat the same steps as above for cascade_detector_LBP_prototype to train and test with LBP wavelets.