

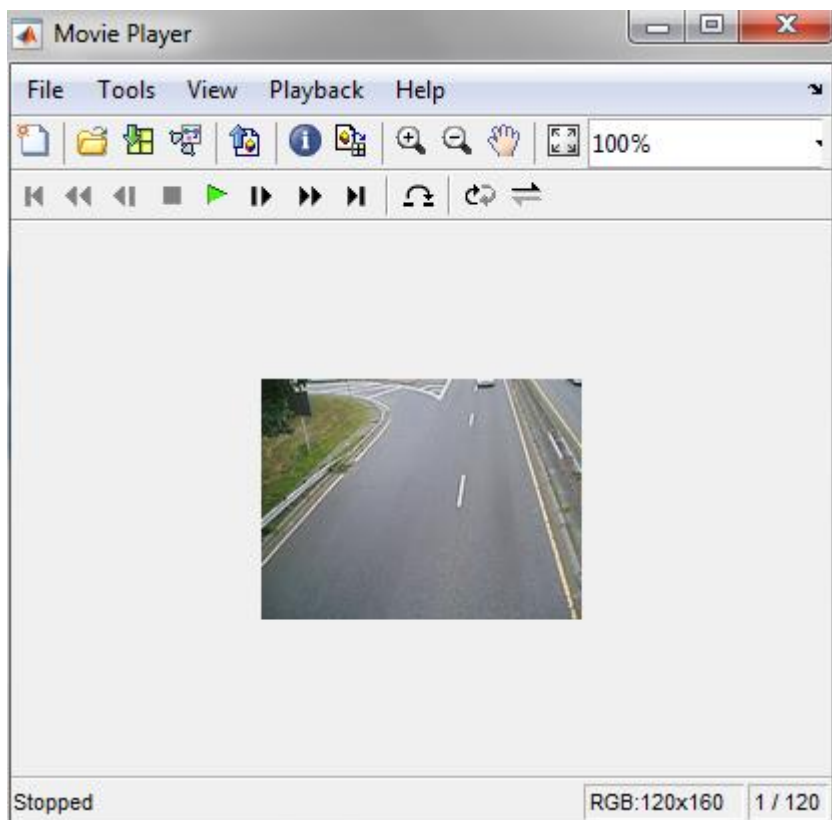
# PRACTICAL 3-VISUAL SOLUTION

## VIDEO PROCESSING AND MOTION DETECTION

DISCLAIMER: PLEASE BE AWARE THAT YOUR RESULTS MAY BE SLIGHTLY DIFFERENT DEPENDING ON YOUR PARAMETERS, ETC.. THIS IS JUST FOR VISUAL HELP.

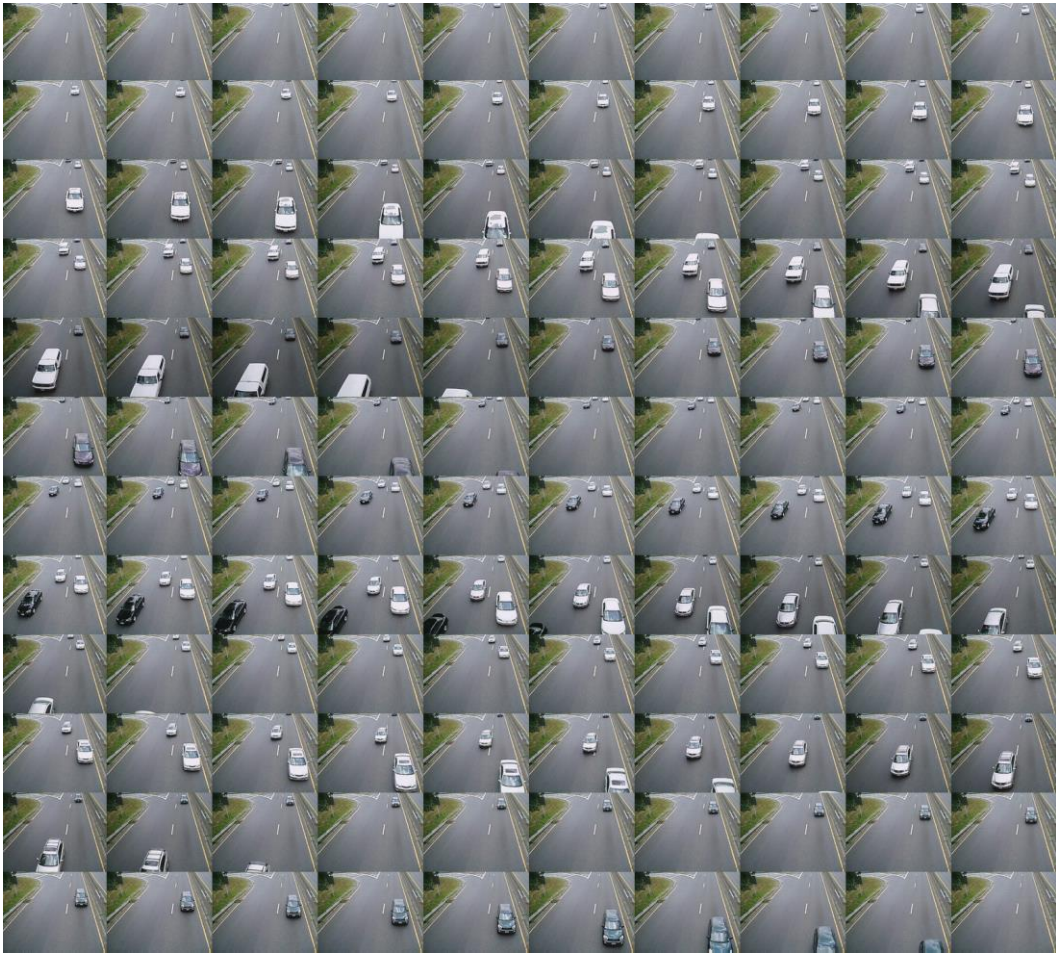
### TASK 1: READING VIDEO FILES

#### STEP 5:



#### STEP 7:

*Please remember that the two hour duration of a practical class will probably not be enough time to complete all sections. There is an expectation that you will work outside of class as an independent learner.*



**STEP 9:**



## TASK 2: MOTION DETECTION USING BACKGROUND SUBTRACTION

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STEP 4:

Colour Bkg



Gray Bkg



Gray Bkg Approx



STEP 10: See attached video 'resultTraffic.avi'

## TASK 2: BACKGROUND UPDATE

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Sampling: 1, Compt Time: 0.1547



Sampling: 6, Compt Time: 0.013932



Sampling: 11, Compt Time: 0.0066571



Sampling: 16, Compt Time: 0.0051329



Sampling: 21, Compt Time: 0.008239



## TASK 3: POSTPROCESSING

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See attached video 'Task3.mp4'