—SUBMISSION—

-> A python film with .py extension is submitted.

—FILES—

-> /Cv project 2/input/moon\_frames - has the pictures for the video of moon.

/walking\_frames - has the pictures for the video of a walking man.

-> /Cv project 2/output/moon\_output\_frames - has the output moon pictures from WSSD.

/walking\_output\_frames - has the output walking man pictures from WSSD.

/moon\_kalman\_frames - has the output moon pictures from Kalman’s tracking.

—FUNCTIONS—

-> featureTrack is the function which carries out autocorrelation from the second image onwards.

-> KalmanTrack is the function which carries out Kalman feature tracking.

-> Feature Detection is performed with in ‘\_\_main\_\_’ .

-> Iterating over image files is done within the ‘\_\_main\_\_’ .

---NOTE---

-> The submitted file uses the video of moon as the input file. If a new file has to be given as the input, it should be specified

in 7 places in the code.

-> Mistakes in file extensions can lead to errors. Moon frames are in the form of .png and walking frames are in the form of .jpg .

---REFERENCES---

->Numpy documentation:

https://docs.scipy.org/doc/numpy/reference/routines.array-manipulation.html

-> Scipy for Gaussian Filters:

https://docs.scipy.org/doc/scipy/reference/generated/scipy.ndimage.gaussian\_filter.html