Diamond test report:

Project data:

Calculate two separate frames press w

Stop file press q

Answerse:

1. What module did you use for loading the movie?

I use cv2.VideoCapture, because it is a common and wide used, so it is probably debugged well.

1. What are the common algorithms used for image motion estimation?

Corner detection, Optical flow, Pixel recursive algorithm and Phase correlation and frequency domain method.

1. What algorithm did you use and why?

I used optical flow algorithm because of my estimation that is my pitcher does not change allot between frame to frame.

1. What is the average processing time?

The average time of the full program run is 8 sec. (whit out interruptions like a two-frame diff calc).