

Tracker

Setting up the frame rate for slow motion videos

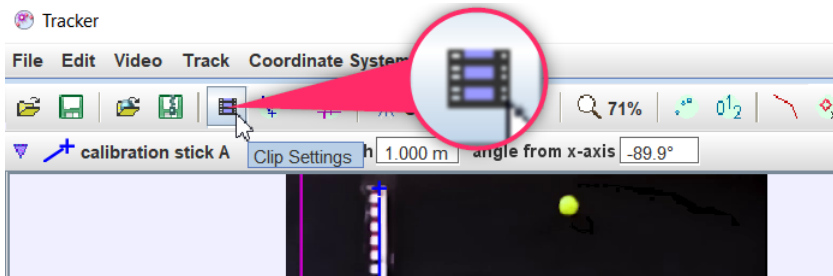
1. Find the frame rate of the video.

The video file name contains information about the frame rate of the video.

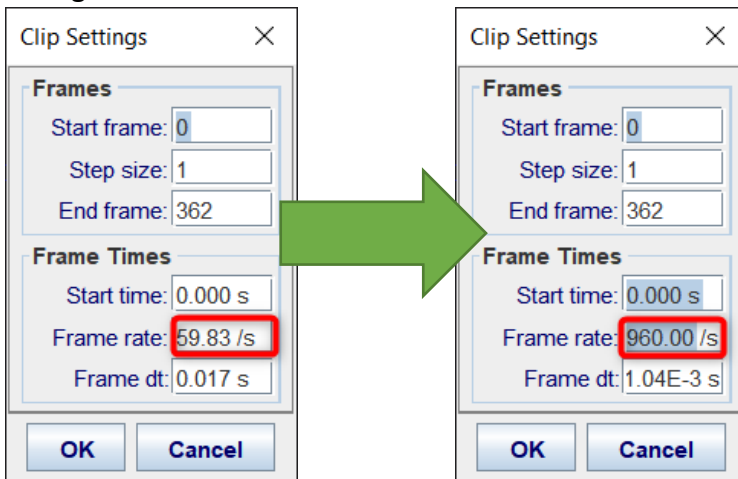
e.g. “Free fall (60 fps x 16) - 960 fps equivalent”.

When you play this video, it will be played at 60 frames per second in slow motion (16 times slower than the playback duration). That means that the physical process is captured at 960 frames per second. You need to use the “960” value in the following steps.

2. Open Tracker. Click “Clip Settings” button.



3. Change “Frame rate” value to “960.00” and click “OK”



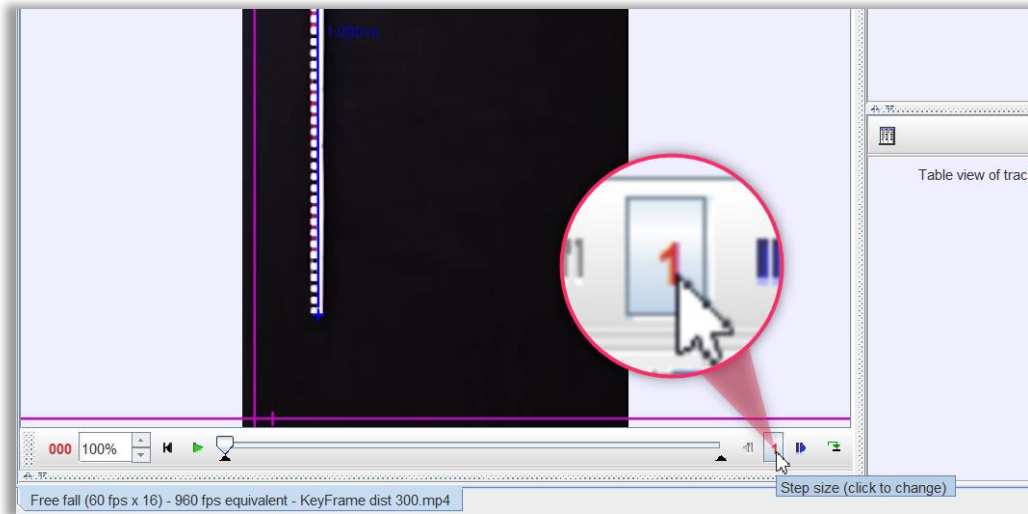
“Frame dt” (frame duration) will be adjusted automatically.

Please note that when you use autotracker, the video is played in slow motion. However, because you adjusted the frame duration by providing the correct frame rate, the experimental data will be recorded with the correct duration of the physical process.

Usually, slow motion videos contain a lot of data points. This may cause high CPU usage and very long data acquisition process during autotracking.

It is possible to skip certain number of frames to speed-up autotracking process.

1. Click "Step size" button



2. Choose the number of frames to skip:

