FalCon eXtra AntiShake

Tool for Reduction of Jitter
as Add-on to FalCon QuickView and ImagerControl
(included in FalCon MovXact)
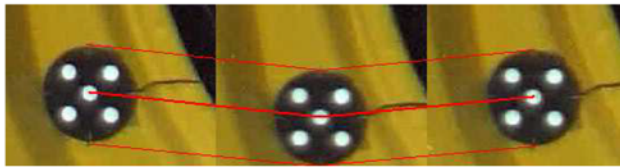

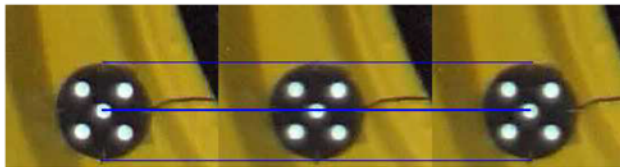Figure 1: Movie with high vertical jumps
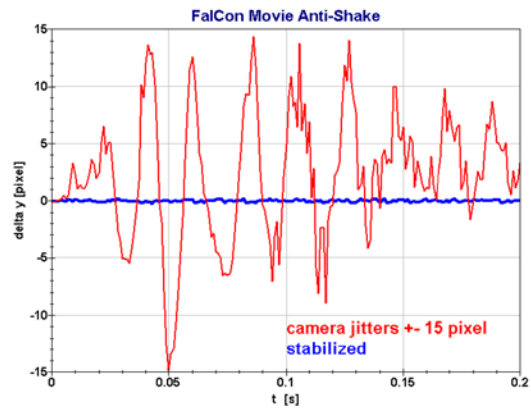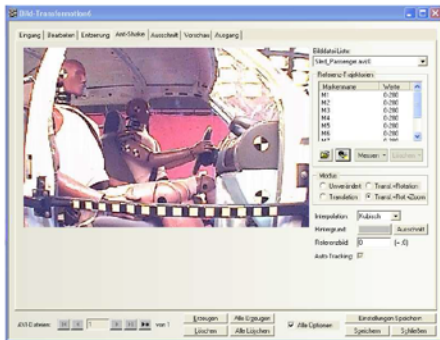

Figure 2: Stabilized movie

Figure 3: Effect of steadiness control

Often images recorded with onboard cameras on high-g sleds suffer from bothersome jittering.

To see more in details and to recognize the „real" movements in a movie camera vibrations are compensated with the help of the module FalCon *AntiShake* in online- as well as in offline operation. The steadiness control uses reference markers to stabilize the image sequence.

No analysis expertise is necessary; the auto-marker-tracking can be run even during the AVI creation.

Therefore it is possible by using of *ImagerControl* combined with *AntiShake* (in an automated operation) to control high speed cameras, to download raw data and to process the steady movies.

The set up standstill markers can be used as template by test series.

Applications:

- Steadiness control by onboard cameras
- Suspension of head rotation by Dummy Impact Tests
- Removal of jitter by rigid body
- Additional virtual onboard camera by stabilization of a image cuttings

Technical details:

- Program system for computer platforms under WINDOWS XP / 2003 / Windows 7
- User interface compliant to MS-Windows.
- Upgrade to FalCon MovXact Pro.

Still the test!