

Founded in 1996, ORME is your partner for the development of test analysis tools. To meet the increasing needs of the test field, on the one hand we develop a complete software product suite, and on the other hand we can offer custom-made software and hardware solutions, as well as test analysis service and consulting.

We pay particular attention to keep a very close relationship with our customers, and remain attentive to their needs. Over twenty years of experience have enabled us to become a well-recognized and favored key contact of many industrialists.

SOME OF OUR CUSTOMERS:

Airbus, Airbus Defense & Space, ARAI, Autoliv, Bosch, Brakes India, CEA, CED, CNES (CSG Kourou), DGA, Delphi, Dongfeng-Peugeot, Dorel, EDF, Faurecia, Fujian-Benz, Harris, IFSTTAR, Latécoère, Leroy Somer, LIFT, Maruti Suzuki India, MGA Research, ONERA, L'Oréal, Peugeot-Citroën, Renault, Salomon, Schneider Electric, SAFRAN Aircraft Engines, SAFRAN Landing Systems, STAC, Team-TEX, Thalès Alenia Space, UTAC, Valeo, Zodiac Aerospace...



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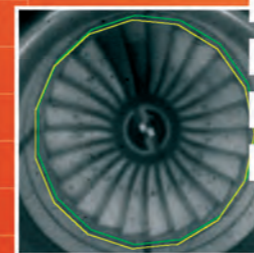
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TRACKIMAGE

MOTION ANALYSIS SOFTWARE

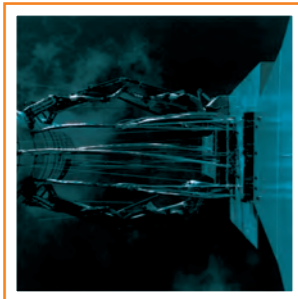


CAMERA CORRECTIONS
2D & 3D MOTION TRACKING
DEFORMATION TRACKING
VIRTUAL OBJECTS
AIR-BAG

MOTION ANALYSIS



TrackImage provides several independent modules, each of them being dedicated to a special application, with a fully automatized analysis of the image sequences: trajectography, deformation tracking, objects inlay and contact analysis, air bag expansion, speed field calculation... TrackImage calculates all the dynamic parameters of the system under test: positions, speeds, accelerations, distances, angles, surfaces, compacity, frequencies...Based on the most recently developed algorithms, TrackImage is today a most powerful image analysis software tool which is used in many different fields: aeronautics, automotive, defense, energy, ergonomy, biology, geology, space, sports...



ACCURATE

Image calibration, correction of spatial distortion, sub-pixel resolution...

ROBUST

Robust and accurate tracking through optimized algorithms, confidence rate calculation for every detection...

POWERFUL

The points to track do not need to be marked, algorithm parametrization, post-processing...

EASY TO USE

On line hypertext documentation, ergonomic interface...

REPORTING

Complete interactive report editing, AVI files export, spatial and temporal test synchronization...

SERVICE

On site installation/user training, hot-line support, specific image sequences analysis...

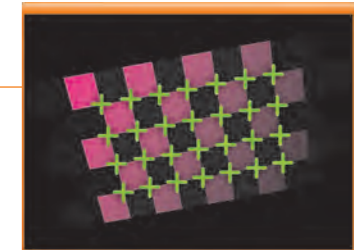
COMPATIBILITY

Read all digital image formats and AVI sequences, export results, copy/paste function...

MODULES

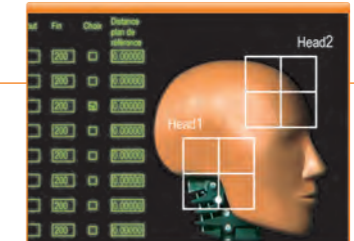
CAMERA CORRECTIONS

- Optical distortions
- Perspective effect



2D-MOTION TRACKING

- Automatic motion tracking
- Position, speed and acceleration calculations
- Frequency analysis
- Multi-tests synchronization and animations



3D-MOTION TRACKING

- 3D-space calibration
- Automatic 3D-trajectography
- Post-processing and analysis



DEFORMATION TRACKING

- Automatic deformation tracking
- Curvature, speed and acceleration calculations
- Closed or open contour tracking



VIRTUAL OBJECTS

- Virtual or real objects dynamic superposition
- Virtual targets, virtual contours, masks, logos, texts...
- Spatial and time synchronization of sequences
- Inter-objects contact analysis



AIR-BAG

- Automatic air-bag deployment tracking
- Tests comparison and validation
- Automatic surface area calculation, edges, length and width tracking

