

Since its creation in 1996, ORME has been 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 ten years of experience have enabled us to become a well-recognized and favored key contact of many industrialists.

## SOME OF OUR CUSTOMERS:

Airbus, Autoliv, Bosch, CEA, CNES (CSG Kourou), DGA (BEC, CAEPE, CEAT, ETAS, ETBS...), Dorel France, EADS ST, EDF, Faurecia, Latécoère, L'Oréal, Peugeot-Citroën, Renault, Salomon, Schneider Electric, Snecma, Valeo...

### USA Distribution and support:

Hyper Imaging  
www.hyper-imaging.com  
Douglas.Cebik@hyper-imaging.com



# TRACKREPORT

TEST ANALYSIS & REPORT GENERATION SOFTWARE

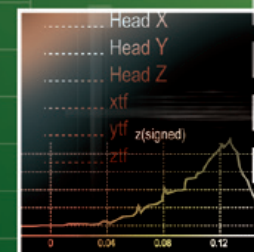


## REPORT GENERATION

Graphic design of test report models  
Automatic channel assignment  
Curve and video synchronization  
Various exports (html, avi...)

## ALGORITHM DEVELOPMENT

Standard & specific calculation libraries  
Automotive biomechanical criteria  
Acoustic library



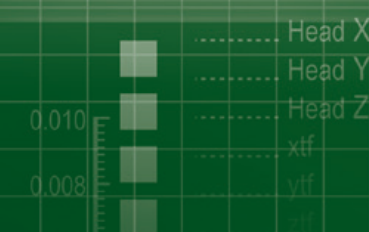
$$HIC = \sup_{t_1, t_2} \left[ \frac{1}{t_2 - t_1} \int_{t_1}^{t_2} a \, dt \right]$$

$$a = \sqrt{a_x^2 + a_y^2 + a_z^2}$$

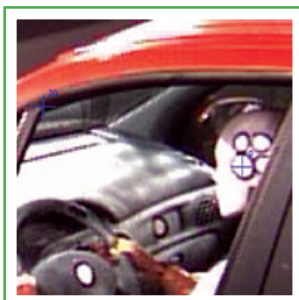


Y Axis (m.s-2)

Time (ms)



# DATA ANALYSIS



TrackReport offers a full data visualization and analysis environment, where interactivity and automation help creating simulation or test reports. Configurable report models handle data post-processing algorithms as well as the graphical setup. The development of these report models is very intuitive and smooth, thanks to the various calculus libraries and a complete and dynamic graphical object suite: text areas, curves, tables, images, videos, color maps, bar charts, 3D-animations... The report models thus enable the generation of an accurate data set analysis and the corresponding report. Although being a standard and generalist tool, TrackReport's architecture remains open, enabling the user to develop specific data import/export functions, or new calculus libraries. TrackReport is now widely used to analyze and compare test and simulations in various fields: automotive, aeronautics, spatial, cosmetics, energy, defense...

## EASY TO USE

Graphical setup of test report models  
Computer-aided algorithm development  
Automated unit management

## INTERACTIVITY

Interactive report models through customized dialog boxes  
Cursors, animations...

## AUTOMATION

Automation of report edition tasks  
TrackReport control and interactivity with other applications

## ANALYZE

Superposition mode for data set comparison  
3D visualization, synchronizations, and animated exports

## COMPATIBILITY

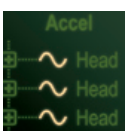
Import of various data file formats  
ASAM-ODS database connection

## OPENNESS

Plug-in architecture for calculation and import/export functions  
Software development kit for new functions

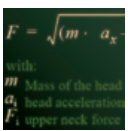
# MODULES

## TRACKREPORT STANDARD EDITION



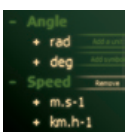
### Report model creation

- Graphical creation of test report models
- Dynamic text areas, 2D-curves, bar charts, tables, color maps, images, videos, image sequences



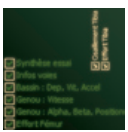
### Calculus libraries

- Mathematics, statistics, interpolation...
- Dialog boxes definition
- Specific libraries plug-in



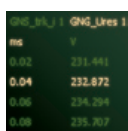
### Automated unit management

- Smooth unit recognition, conversion and management
- Automatic learning of new units



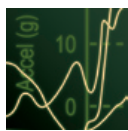
### Report export

- Animated HTML reports
- Image exports
- Print...



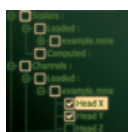
### Import of various data formats

- Standard formats
- ASCII files reader wizard
- Specific imports plug-in



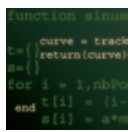
### Automatic report generation

- Interactive analyses
- Animations, cursors
- Data synchronization
- Data set comparison/superposition



### Results and data exports

- Standard formats
- ASCII formats
- Specific exports plug-in



### User programming

- TrackL Language, Visual C++ SDK
- Tasks automation using Java Scripts



### ASAM-ODS Client Module

- ASAM-ODS database connection
- Data import/export
- Advanced search



### 3D Module

- 3D graphical object
- VRML import / export
- Navigation and animations



### Crash-Tests Calculations Module

- CFC filters, biomechanical criteria (neck, head, chest, leg...)
- Restraint systems norms
- Regulation implementation



### Acoustic Calculations Module

- A, B, C weighting, narrow-band, octave or third-octave conversion, OASPL, PNL, TC...
- Regulation implementation

## SERVICES

- Report model writing
- Report model maintenances
- Specific calculus libraries development
- Specific import/export formats development

## TRAINING

- TrackReport standard use
- TrackL language development
- Java Script for TrackReport
- Visual C++ plug-in development