TrackReport

Test Analysis & Report Generation Software
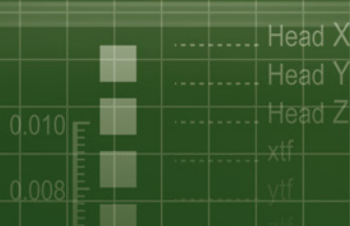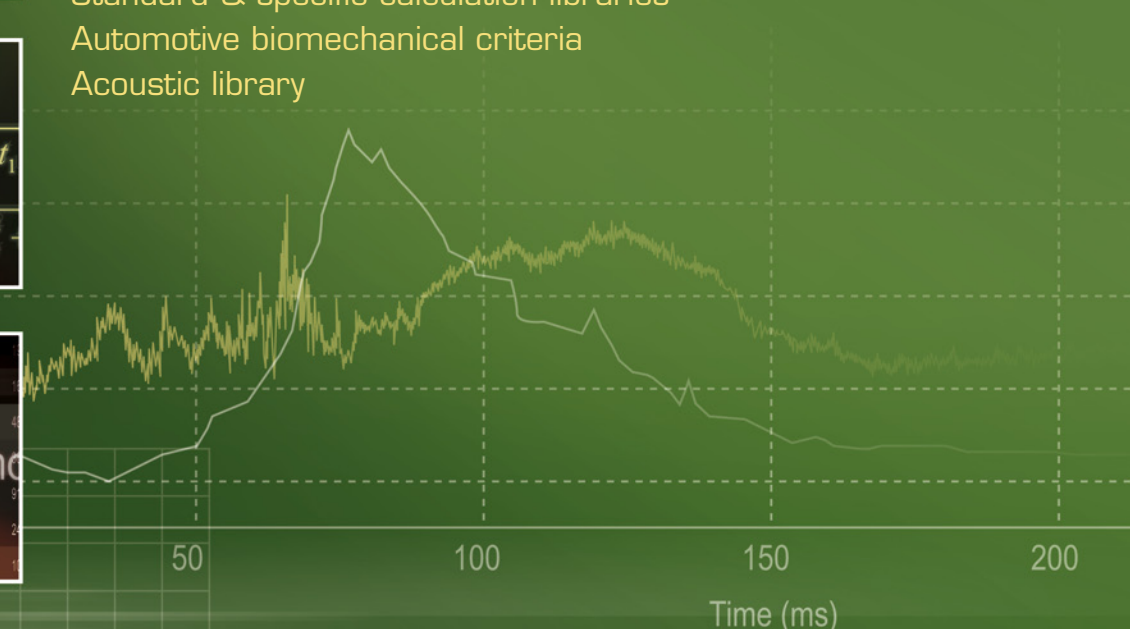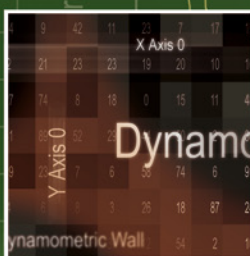
ASAM Compliant

Report Generation

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

Algorithm Development

Standard & specific calculation libraries
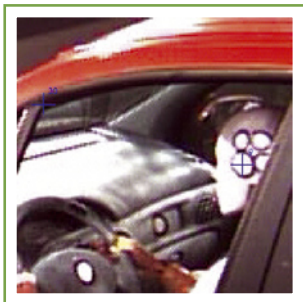Automotive biomechanical criteria
Acoustic library

$$HIC = \sup_{t_1, t_2} \left\{ \frac{1}{t_2 - t_1} \right.$$

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

ORME
Signals & Images

DATA ANALYSIS

TrackReport offers a full data visualization and analysis environment, where interactivity and automation help creating simulation or test reports. Configurable report templates handle data post-processing algorithms as well as the graphical setup. The development of these report templates is very intuitive and smooth, thanks to the various calculation libraries and a complete and dynamic graphical object suite: text areas, curves, tables, images, videos, color maps, bar charts, 3D-animations... The report templates thus enable the generation of an accurate data set analysis and the corresponding report.

Although being a standard and generic tool, TrackReport's architecture remains open, enabling the user to develop specific data import/export functions, or new calculation libraries. TrackReport is now widely used to analyze and compare test and simulations in various fields: automotive, aeronautics, space, cosmetics, energy, defense...

EASY TO USE

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

INTERACTIVITY

Interactive report templates 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 template creation

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

Import of various data formats

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

Calculation libraries

- Mathematics, statistics, interpolation…
- Dialog boxes definition
- Specific libraries plug-in
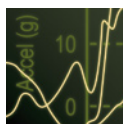
Automatic report generation

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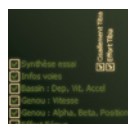- Data set comparison/superposition

Automated unit management

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

Results and data exports

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

Report export

- Animated HTML reports
- Image exports
- Print…

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

Crash-Tests Calculations Module

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

3D Module

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

Acoustic Calculations Module

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

SERVICES

- Report template writing
- Report template maintenances
- Specific calculation libraries development
- Specific import/export formats development

TRAINING

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

ORME COMPANY

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 key industrial companies.

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