

Automated Post-Processing & Report-Generation for Standard Crash & Safety Tests Simulation

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There are an increasing number of standardized tests, for which a vehicle should comply with and all these tests, usually, require the generation of a standardized report.

For the generation of reports for simulated tests, after each solver run, the followed post-processing actions are always the same.

This repetition is proven cumbersome, time-consuming and prone to errors. Therefore, the automation of the execution of those actions and the subsequent report generation is required.

Apart from automating the repeated post-processing actions another problem is to compare the results of the simulated tests with the physical tests results.

This demo will present software tools developed in META, the Post-Processor of BETA CAE Systems, that automatically process and create reports for Occupant Protection in Interior Impact, Pedestrian Safety analysis and IIHS structural ratings. These tools streamline the extraction of the results for the respective tests. They lead directly to reports and create overview models for supervisory evaluation in cases of a large number of simulation runs.