PYTHON SCRIPTING IN ANSA/META FOR AUTOMATED TASKS PROCESSING DURING VEHICLE DEVELOPMENT PHASES

[1]Tunç Uzun, [1]Heiko Wüstner, [2]Thanassis Fokilidis
[1]Ford Werke GmbH/Ford of Europe, Germany
[2]BETA CAE Systems SA, Greece

KEYWORDS –
Automation, ANSA python scripting, PD Vehicle Safety

ABSTRACT –
For many post-processing tasks in the daily vehicle development process, highly customized tools have to be chained in order to retrieve and visualize complex results in very short time frame with adequate effort. This goal can only be achieved by using easy to use and yet powerful scripting capabilities implemented in ANSA/METAPOST in order to 'glue' the various tools together.

This paper discusses a few examples on how to use the ANSA/METAPOST python scripting module for highly automating the pre-processing of CAE models (Weld-Spot processing) to various custom scripts for CAE results post-processing.