New software version release announcement
August 17, 2009

BETA CAE Systems S.A. announces the release of µETA v6.4.0
with important enhancements and code corrections.

New features introduced

- New performance_mode running option added.
- Significant improvement in the speed of reading FEMZIP files through the new, on-the-fly, read option.
- Materials' handling functionality added.
- Support of Pages, i.e. multiple workspaces within µETA.
- Direct copying of workspace images and µETA tools' data to the system's clipboard for pasting to other applications.
- Modal Correlation (MAC) tool.
- Acoustic Coupling calculations performed within µETA's Modal Response tool.
- New results available for Composites.
- New keywords supported for ABAQUS, LS-Dyna, PAMCRASH and RADIOSS.
- New Universal Files' datasets.
- Support of reading Animator databases.
- Capability to re-sample States at equidistant time steps.
- Support of multiple Statistics windows.
- Various enhancements on Cut Planes.
- Capability to perform Linear combination within the Sections tool.
- Support of multiple ABAQUS time history files in the 2D Plot tool.
- Multiple LS-Dyna time history files loaded in one step in the 2D Plot tool.
- Capability to save *.png images with transparent color.
- Support of templates for *.pptx reports.
- Capability to import *.csv tables, treated as spreadsheets, within *.pptx reports.
- New Script commands added.
- New User Toolbar available, named OptimizerSetup, to aid the integration of µETA within optimization loops.
- New User Toolbar available, named Pedestrian HIC, to perform Pedestrian Head-impact calculations.
- Two Basic Tutorials available within the [installation dir]/meta_post_v6.4.0/docs/tutorials directory to assist new users in getting acquainted with the interface and functionality of µETA.
- ... and many more.

Known issues resolved

- ABAQUS Sections were recognized incorrectly.
- ABAQUS Beam elements' Section Forces and Moments calculations could not be performed.
- Various issues related to Projects and *.metadbs.
- µETA has been tested to work with X-server emulators.
- ... and many more.

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Important notes

1. µETA v6.4.0 can run only with beta_lm_tools v6.0 or later.
    It is necessary to update the beta_lm license manager to version 6.0 or later before running µETA v6.4.0. The latest beta_lm_tools version is v6.1.
2. Please, refer to the "Release Notes" document for more details about the software corrections and the new features. A detailed "Release Notes" document is available in pdf in the download directory and also in the /docs sub-directory within the installation directory.
3. A version of µETA Users Guide 6.4.0 is also available in pdf format.

Download

Our customers may download the new software examples and documentation from their account in our download server. You may access your account through the Login link at our web site http://www.beta-cae.gr Contact us if you miss your account details.
The [Public] link will give you access to the public downloads area.

What to download
For the installation of the software on each platform type the following are needed:
1. the tar file with the respective platform name (e.g. Linux, IBM-AIX etc.), or the respective zip file for Windows and
2. the "common" .tar or .zip file

Previous software releases can be found in the sub-directory called "old".

Particularly for the support of ABAQUS odb files
-   Only for the support of ABAQUS odb files and depending on the ABAQUS version you use, you will need to download the corresponding file(s), containing ABAQUS libraries, from the META_POST_EXT_LIBS directory within the [Public] link. If the support of ABAQUS odb files is not an issue then there is no need to download these files. To support, at the same time, ABAQUS 6.3-4 (or earlier), ABAQUS 6.4-x, ABAQUS 6.5-x, ABAQUS 6.6-x, ABAQUS 6.7-x, ABAQUS 6.8-x and ABAQUS 6.9-x .odb files, it is recommended to download all respective ABAQUS files. Note that for the support of .odb files of ABAQUS version 6.8-x or later on Windows platforms, extra actions may be required. Please, refer to the SetUp Guide for more details.
-   The ABAQUS libraries have to be downloaded once. If these files are downloaded now (or have been already downloaded with a previous µETA version), there is no need to download them again with a future version of µETA.
-   It is also possible to use the ABAQUS libraries directly from the installation directory of the ABAQUS software, if this directory is accessible. In this case you can avoid downloading the respective ABAQUS libraries from the [Public] link.

For more details, please, refer to the SetUp Guide.

Documentation

Additional documentation is packed into the "common" file. While the "common" file is unpacked, you will find an html file that will guide you through the available pdf documents, including the Users Guides and the Release Notes.

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