

New software version release announcement

January 26th, 2009

BETA CAE Systems S.A. announces the release of μ ETA v6.3.0 with advanced new features, enhancements and corrections.

Important:

- μ ETA v6.3.0 can run only with beta_lm_tools v6 or later.
- It is necessary to update the License Manager to version 6.0 or later before running μ ETA v6.3.0. The latest beta_lm_tools is v6.1.
- This replaces any pre-releases of μ ETA v6.3.0 or related files downloaded prior to January 26, 2009.

New Features:

- Added to the existing reporting capabilities, a new report composer is now available with MS-PowerPoint-like functionality for the creation of reports in .pptx format.
- Section Forces calculator for LS-DYNA and PAMCRASH. Section forces can now be calculated in μ ETA even if no cross sections have been defined inside the input file.
- Model attributes such as current state, model visibility, drawing styles, cut planes and window settings are now Window dependent. That means for example, that the same model may appear in different windows and in a different state in each window.
- NASTRAN absorption elements and their results are now supported.
- Support of Abaqus *NMAP keyword.
- Abaqus fasteners' connectivity is now supported also from the .fst file.
- Multiple models can be set as active.
- Multiple undeform states can be defined.
- Multiple Statistics with different properties can be opened.
- Cut planes can also be clipped by their cut section.
- Annotations can be grouped.
- Curve ids can be now user defined.
- Creation of curves from NASTRAN .pch and ASCII files can now be done from multiple files.
- Support of Design Responses results (DRESPx) directly in the 2Dplot as it is done with Design Variables.
These results are not originally outputted in the op2 file. They can only be output with the use of an MSC "alter" program. Further details can be found in: http://support.mscsoftware.com/kb/results_kb.cfm?S_ID=1-80560961
- Plot settings can be copied / pasted easily between plots.
- Logarithmic scaling for the fringebar range.

Enhancements:

- Significant improvements in Graphics Performance (can be of the order of 10 times faster or more under certain configurations), Reading Performance (the improvement is very distinctive for Abaqus results) and Memory Usage.
- Significant improvements at the interface of various tools such as: Groups, Annotations, Pids, Modal Responses, Session Editor and Script Editor.
- Significant improvements and enhancements in 2Dplot functionality.
- More options for the Advanced filtering tool. As an example, one of the new options is "solidskin" which allows the collection of results from the outer surfaces of solids.
- New options for the Identification of entities. Nodes and elements can now be identified zoomed into by providing their ID (similar to the "GRID>INFO>pick" and "ELEMENT>INFO>pick" functionality in ANSA).

Known issues resolved:

- Several issues on ANSYS results and other supported results.
- Several issues related to 2Dplot and other tools of μ ETA

... and many more.

Examples on automating processes:

- A new version of examples files for automating the processes in μ ETA v6.3.0 has been released. It is strongly recommended to download the latest file:
`EXAMPLES_META_SESSIONS_FOR_AUTOMATION.tar.gz`

Important Notes:

- 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.
 - A version of μ ETA Users Guide 6.3.0 is also available in pdf format.
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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.

What to download:

For the installation of the software on each platform type you will need:

1. The tar file with the respective platform name (e.g. sgi, linux etc.), or the respective zip file for Windows and
2. the "common" .tar or .zip file

Particularly for the support of ABAQUS odb files:

1. 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 odb files (or earlier), ABAQUS 6.4.x, ABAQUS 6.5.x, ABAQUS 6.6.x odb, ABAQUS 6.7.x files and ABAQUS 6.8.x files, it is recommended to download all respective ABAQUS files.

For the support of ABAQUS 6.8 odb files on Windows platforms, it maybe required to take extra actions. Please, refer to the SetUp Guide for more details.

2. The ABAQUS libraries have to be downloaded once. If these files are downloaded now (or have been already downloaded with a previous μ ETA version), there is no need to download them again with a future version of μ ETA.
3. It is also possible to use the ABAQUS libraries directly from the installation directory of the ABAQUS software, in case 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.

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

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.

For more details contact:

BETA CAE Systems S.A.

Customers Service

Kato Scholari, Thessaloniki

GR-57500, Epanomi

Greece

Tel : +30-2392-021420

Fax : +30-2392-021828

Email : ansa@beta-cae.gr

URL : <http://www.beta-cae.gr>