

BETA CAE Systems S.A.

announces the new v14.1.3 release of the
ANSA & μETA pre- & post-processing suite

Introduction

BETA CAE Systems S.A. announces the release of v14.1.3 of the ANSA & μETA pre- and –post processing suite. This maintenance release focuses on the correction of identified problems and issues for ANSA and μETA v14.1x branch. The most notable resolved problems are listed by category below.

All the code corrections introduced in v14.1.3 had also been propagated to v14.2.0 which has already been released with additional corrections and enhancements.

This release of v14.1.3 is addressed to those who wish to continue to use the v14.1x branch, with its issues resolved, and not to upgrade to 14.2x.

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Understanding the Software Release Schedule

The plan:

We are committed in delivering improved and enhanced software releases, the soonest possible, in order to meet the requirement of our customers for the continuous improvement of their experience and work. Therefore, we are working in releasing new software versions with code corrections, new software features and enhancements, in regular, frequent intervals.

- A major software version is released every year. The major version v14.0.0 was made available at the beginning of the year.
- First point releases, such as v14.1.0, v14.2.0 and so on, with code corrections but also with additional software features and enhancements are release every three months.
- Second point releases, such as v14.1.1, v14.1.2, v14.1.3, with code corrections only upon their parent first point release, are scheduled on a monthly basis.

Each software release is accompanied by a detailed description of the introduced corrections and/or additions so that our customers can decide if it is critical to implement this release in their environment.

This release:

This release of v14.1.3 is addressed to those who wish to continue using the v14.1x branch, and not to upgrade to 14.2x, but still, need to have their issues resolved.



Known Issues Resolved in ANSA

Connections and Assembly:

- The direct editing of the Part field (Pi) of a connection entity could lead to unexpected termination on windows OS.

Scripting:

- The Release function could lead to unexpected termination.
- The ProjectPointToShell function would return nothing if the projection fell out of the element.
- The SimplyfyMacros function could lead to unexpected termination.

DECKs:

- Output>WAVE FRONT export, set one gap at the property names.

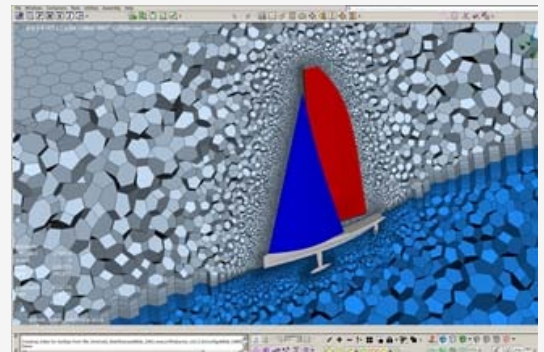
CHECKs:

- PENETRATION>PROXIMITIES: When fixing the errors, deselecting would not work.
- FLANGES Weld Spots led to unexpected termination on Windows OS.

CHECKs: Nastran:

- The TYPE option of the NSM/NSML BCs would not be read-in.
- When exporting a model, extra DAREA definitions would be created.

CHECKs: Abaqus:



- Switching between pressure steps at the fringe plot, could lead to unexpected termination.

CHECKS: PAM-Crash:

- The IMPORT_Mapping card could not be read-in if the last character (space) of the keyword was missing
- D.INFO: The mass scaling of solid elements was not added in the total mass calculations.

and more...

For more details about the new software features, enhancements and corrections please, refer to the [Release Notes](#) document.



Known Issues Resolved in μ ETA

General:

- Unexpected termination when reading files with certain ANSA comments

DECKs:

- When reading Abaqus models from .odb files, with the .inp file in the same directory, the position of rigid bodies' master nodes was incorrect.
- Reading Fluent models with partition data could lead to unexpected termination.
- Reading LS DYNA binout time histories would lead to unexpected termination.
- LS DYNA keyword *CONSTRAINED_INTERPOLATION was read as *CONSTRAINED_NODAL_RIGID_BODY.
- Linearly combination of PERMAS results from .dof files was not correct.
- PERMAS results read with "Average, Compute" nodal read option would be zero.
- The Bore Distortion toolbar would not calculate the Best Fit Circle correctly in certain cases.
- Various issues of the Report Composer are fixed

and more...

For more details about the new software features, enhancements and corrections please, refer to the [Release Notes](#) document.



Compatibility

This release of v14.1.3 is addressed to those who wish to continue using the v14.1x branch, and not to upgrade to 14.2x, but still, need to have their issues resolved.

ANSA files saved with version 14.1.3 can be opened by v14.x.x branch but not by v13.2.x or previous versions. **[CORRECTION]**
The .metadb files saved with μ ETA version 14.1.3 are compatible and can be opened by earlier versions of μ ETA.



Download

Where to download from

Customers who are served directly by BETA CAE Systems S.A. may download the new software, examples and documentation from their account on our server. They can access their account through the "user 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.
Customers who are served by a local business agent should contact the local support channel for software distribution details.

What to download

All files required for the installation of this version reside in the folder named "**BETA_CAE_Systems_v14.1.3**" and are dated as of **September 17th, 2013**. These files should replace any pre-releases or other files downloaded prior to that date.
The distribution of this version of our pre- and post-processing suite is packaged in one, single, unified installation file, that invokes the respective installer and guides the procedure for the installation of the required components.
For the installation of the software on each platform type, the following files have to be downloaded:

- the .sh installer file residing in the folder with respective platform name, for Linux and MacOS, 32bit or 64bit or the respective .msi installer file for Windows, 32bit or 64bit, and
- the tutorial example files that reside at the top level of the folder of this distribution.
- In addition to the above, optionally, the μ ETA Viewer is available to be downloaded for each supported platform.

The Abaqus libraries required for the post-processing of Abaqus .odb files are included in the installation package and can be optionally unpacked.

Previous software releases can be found in the sub-directory called "old" or in a folder named after the product and version number.



Documentation

Release Notes

Please refer to the Release Notes document for more details about the software corrections and the new features.
Detailed Release Notes documents are available in PDF in the download directory and also in the /docs sub-directory within the installation directory.

Tutorial files availability

A TUTORIALS folder in the public area has been added, including the tutorial documentation and the necessary demo files, to facilitate the tracking of the new and the updated tutorials. This folder includes the complete package of the tutorials and a package with the updated ones only.

