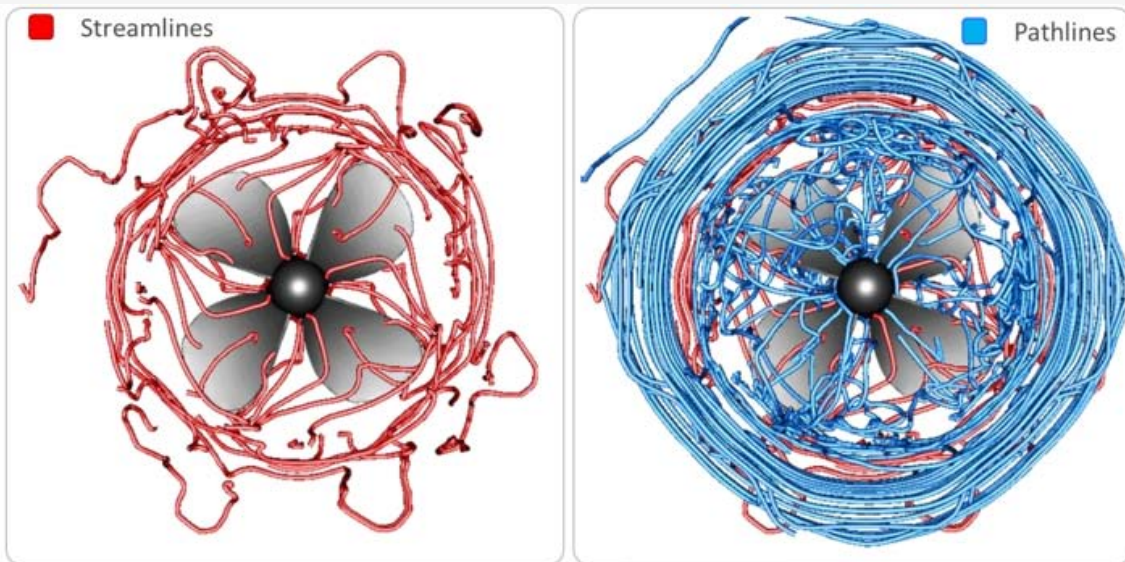


BETA CAE Systems S.A. announces the release of ANSA & μ ETA v15.1.3



About this release

BETA CAE System S.A. announces the release of v15.1.3 of ANSA / μ ETA pre- and post- processing suite. This maintenance release focuses on the correction of identified issues for the ANSA / μ ETA 15.1x branch and is addressed to those who wish to continue to use the v15.1x branch with its issues resolved.

Amongst the new fixes of v15.1.3 the most noticeable are listed below:

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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.
- First point releases, such as v15.1.0, v15.2.0 and so on, with code corrections but also with additional software features and enhancements are released every three months.
- Second point releases, such as v15.2.1, v15.2.2, v15.2.3 mainly 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 whether it is critical to implement this release in their environment.

This release

This release of v15.1.3 implements code corrections, to the v15.1.2 release and the latest pre-existing releases of the 15x branches. The corrections implemented in this release were also propagated to the imminent v15.2.0.



Known issues resolved in ANSA

General

The measurements of 2nd order solid Facets could provide erroneous results.

Volume mesh

Volumes might not be recognized correctly.

Connections & Assembly

In certain cases, when applying Checks> Connections, all connections would be checked instead of only the visible.

DECKs

The performance in Connectors realization has been enhanced.

Applying Utilities>Transform might not affect C.PLANES.

Transformation with Scale definitions might have erroneous behavior on the model.

LS-DYNA: When a database contained BOXes, erroneous calculation of mass would occur when performing the calculation on visible entities.

MEDINA: When the Offset was in mode "Free-ID", entities with conflicting IDs would be skipped during input.

Abaqus: In certain cases, applying the Checks>Contacts>From List for 2nd order elements would result in excessive memory usage or unexpected termination.

For more details about the new software features, enhancements and corrections please, refer to the Release Notes document.



Enhancements and known issues resolved in μ ETA

Enhancements in μ ETA

Abaqus

Abaqus 6.14 is now supported.

Nastran

Hyperelastic CTRIA6/CQUAD8 elements are now supported.

Known issues resolved in μ ETA

General

Clear and Create New could lead to unexpected termination.

Unexpected termination might occur when reading a filename that contained the characters %n .

Nastran Interface

Contact Status results were not read correctly from SOL400 results.

PAM-CRASH Interface

Reading vector results from FEMZIP-compressed files might cause unexpected termination.

PERMAS Interface

Unexpected termination when importing a .dat file.

Linear Combination

Wrong nodal stresses were produced when field results were linearly combined with the Average, Compute option.

NVH Calculators

Unexpected termination might occur when calculating responses using mass connections

Report

Saving reports that included spreadsheets with user-defined cell-coloring would yield corrupt files.

Unexpected termination might occur when cancelling the recording of a video started from within the Report Composer.

For more details about the new software features, enhancements and corrections please, refer to the Release Notes document.



Compatibility and Supported Platforms

ANSA files saved by all the first and second point releases of a major version are compatible to each other.

New major versions can read files saved by previous ones but not vice versa.

The .metadb files saved with μ ETA version 15.1.3 are compatible and can be opened by earlier versions of μ ETA.

Support for 32-bit platforms has been discontinued for all operating systems except for Windows.



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_v15.1.3**" and are dated as of **November 11th, 2014**. 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 .sh installer file residing in the folder with respective platform name, for Linux and MacOS or the respective .msi installer file for Windows, 32bit or 64bit, have to be downloaded.

In addition to the above, optionally, the μ ETA Viewer is available to be downloaded for each supported platform.

The tutorials and the example files reside in the folder named "TUTORIALS". This folder includes the complete package of the tutorials and example files, and a package with only the updated ones.

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

Earlier software releases are also available in the sub-directory called "old" or in a folder named after the product and version number.



Documentation

Updated ANSA tutorials

Basic ANSA

Batch Mesh

Batch Mesh for solid

Assembly of Metal sheets with Spotwelds and seamlines.

