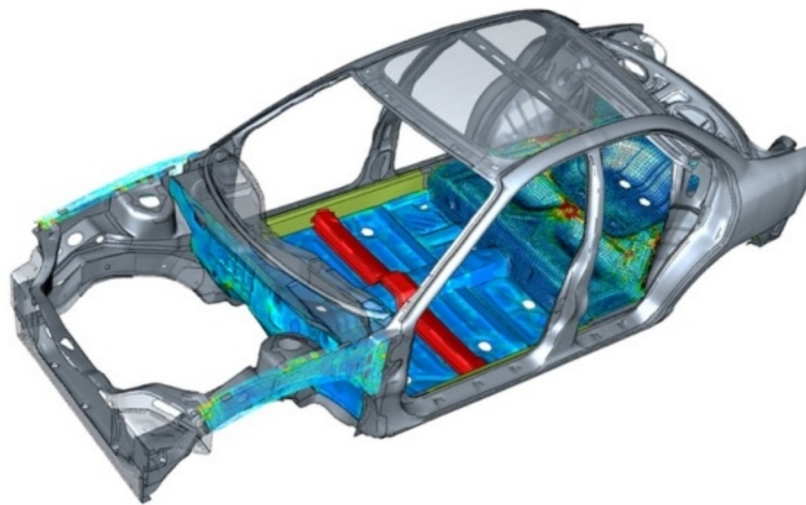


February 9, 2015

BETA CAE Systems announces the release of ANSA & META v15.2.3



About this release

BETA CAE System S.A. announces the release of v15.2.3 of ANSA / META pre- and post- processing suite. This maintenance release focuses on the correction of identified problems and issues for ANSA and META.

The most important resolved problems and new features are listed below.

Contents

[Understanding the Software Release Schedule](#)

[Known issues resolved in ANSA](#)

[Known issues resolved in META](#)

[Compatibility and Supported Platforms](#)

[Download](#)

[Documentation](#)

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 v15.2.3 implements enhancements and code corrections on v15.2.0 and v15.2.2.
Note that ANSA / μ ETA v15.2.1 had been revoked.



Known issues resolved in ANSA

GUI

The Feature selection toolbar issue, when saving and loading .xml files with labels activated, has been resolved.

Data Management

Input: Plmxml files containing more than one top level items, might not be handled correctly.

Multi-selected parts, when saved in DM, would be assigned the same version, if "Apply to all" was selected.

Mesh

Zone Cut: Gradual definition performance has been significantly enhanced. Applying ZoneCut, could affect neighboring frozen mesh. Applying Project in mode 'Create zones' could result in unexpected termination.

Volume mesh

Volume mesh might not respect the Size Boxes' Growth Rate.

Structured Mesh: Applying Rotate using an axis collinear to the extruded elements' edges, could result in unexpected termination.

Tools Conv2Poly: The procedure exhibited excessive memory utilization.

Improvements of TetraRapid implementation of growth rate for a wider range of values.

DECKs

Opening a TABLE, with large number of points, exhibited significant delay.

NASTRAN / SOL200: Algorithm selection was missing from the Simulate and DOE window.

Abaqus / STEP: Contact variables: CNAREA, CLINELOAD, CDISPETOS, CSTRESSERI and CSTRESSETOS, were missing from the *CONTACT OUTPUT keyword's variables list.

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



Known issues resolved in META

Supported interfaces

Abaqus 6.14 .odb files could not be read on MS-Windows workstations.

ANSYS results on nodes of 1st order pyramid elements were incorrect.

Column ASCII result labels might not be read correctly.

Universal file results on nodes with assigned coordinate systems might be wrong.

Section Forces

Incorrect Section forces calculated on nodes with assigned coordinated systems.

2D Plot

Unexpected termination could occur when plotting ASCII results from Nastran PLT files.

Curves from specific HDF files could not be plotted.

Displacement from coordinates curves from ERF1 files could not be plotted.

Report

Unexpected termination might occur when saving a PPTX report that contained slides with grouped shapes.

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 META version 15.2.3 are compatible and can be opened by earlier versions of META.

Support for 32-bit platform has been discontinued for all operating systems.



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 <https://www.beta-cae.com> 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_v15.2.3**" and are dated as of **February 9th, 2015**. 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, 64bit, have to be downloaded.

In addition to the above, optionally, the µETA 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 tutorials

ANSA: CFD Surface wrapping

