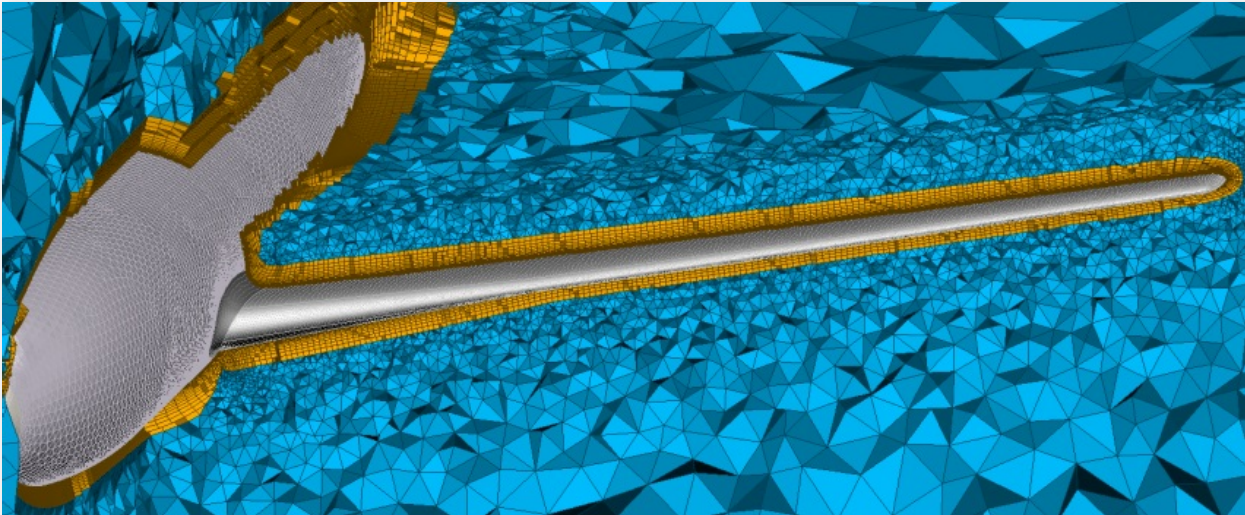October 4, 2016

BETA CAE Systems announces the release of the v16.2.3 of its software suite

About this release

BETA CAE Systems announces the release of the new ANSA / EPILYSIS / META v16.2.3 suite.

This maintenance release is focused on the correction of identified issues and is addressed to those who wish to continue to use the v16.2x branch with its issues resolved and not upgrade to v17x.

The most important additions and fixes implemented in v16.2.3 are listed below.

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Known issues resolved in ANSA

General

ANSA.defaults: Lines from ANSA.defaults files from previous versions could be read as errors.

GUI

Toolbar: A custom toolbar containing a whole group from the User Script menu, would appear as an empty toolbar when ANSA was relaunched.

Data Management

Frozen Elements would not be deleted during replacing a part and they could not be re-positioned during DM operations.

Shell Mesh

Scripting: Scripting function *CreateEntity* would not create second order shells.

DECKS

Renumber: Renumber rules with increment value higher than 1 would not be applied normally with LAMINATE Properties and Materials.

Safety

Interior: The FMVSS201U tool would not follow the regulation about considering or not the Sun Roof SET in the calculations of Targets.

Abaqus

When a STEP was deleted, unexpected termination might occur

Kinetics

Upon input in .cmd format, expressions of VTORQUE forces might not be read.

Optimization

Optimization Task: The performance of DOE might cease responding, in case of de-activated (or not selected) Design Variables.

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

The Reading scalar results issue in the Max Of All Angles calculation has been resolved.

Reading ANSYS displacement results from DMP runs could cause unexpected termination.

Reading EnSight files with adaptive mass elements could cause unexpected termination.

Reading a LS-DYNA file with no grids defined could cause unexpected termination.

Reading PamCrash file with modules could cause unexpected termination.

NVH Calculators

In the Modal Response tool, if a response node was not present, modal energy plots lacked phase or were not plotted at all.

Unexpected termination could occur when calculating additional TPA Fractions in the FRF Assembly tool.

General

Plotting a large number of curves, such as mode participations from the Modal Response tool, would impact performance.

META could block while creating a report for a Stress Linearization Path.

Editing a presentation in the Report Composer while another presentation was in slideshow mode could cause unexpected termination.

The OIC toolbar would calculate wrong Neck Injury Criteria for H3 dummies if the output units were not set to SI.

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.

META Project files saved from version 16.2.3 are compatible and can be opened by META version 16.0.0 or later. To be readable by META versions earlier than v16.0.0, they have to be saved selecting the option "Version <16.0.0".

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, or its subsidiaries, 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. Contact us if you miss your account details. The [PublicDir] 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 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_v16.2.3"** and are dated as of **October 4, 2016.** 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 META 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.