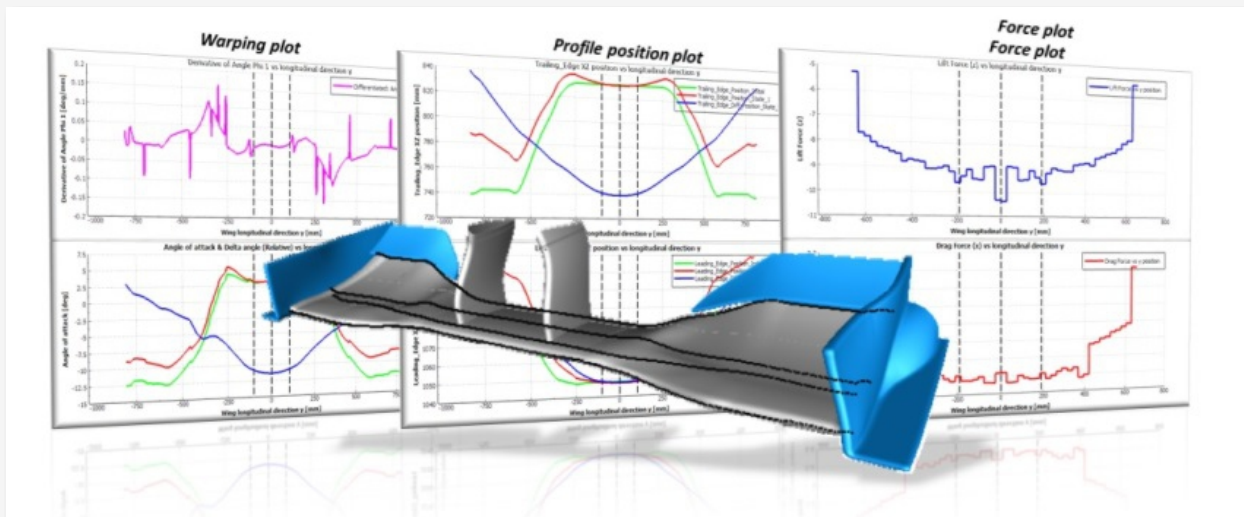


December 8, 2016

BETA CAE Systems announces the release of the v16.2.4 of its software suite



About this release

BETA CAE Systems announces the release of the new ANSA / EPILYSIS / META v16.2.4 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 fixes implemented in v16.2.4 are listed below.

Contents

- [Known issues resolved in ANSA](#)
- [Known issues resolved in META](#)
- [Compatibility and Supported Platforms](#)
- [Download](#)

Known issues resolved in ANSA

General

Applying the Focus Near function with the "Dense search" option active might cause unexpected termination when 2nd order SHELLS/SOLIDS existed.

SGRAPH: The "Show Only" option on color bar would not display the correct entities.

PLM/CAD data input

The CAD translator's GUI would not pass the arguments of the "Extra options" field to the translator.

A new option called 'Read plmxml structure' has been added to read the plmxml structure either through the 'ProductDef' or through the 'ProductView' sections of a plmxml file.

Compare Report: Parts would not be colored according to the settings that define differences.

Meshing

Volume Mesh: Meshing a volume that contained interior spots in great proximity with the TetraRapid generator would cause unresponsiveness.

Mesh Checks: The Negative Volume function has been enhanced to fix negative, due to erroneous orientation, elements.

Supported Interfaces

LS-DYNA: Since v16.2.0, when the paths defined in *INCLUDE_PATH ended with "/", an erroneous include file name would be written out, missing its first character.

LS-DYNA: Value "0" can now be defined in the parameter IHYPER of MAT41 card. A related case of ANSA erroneously replacing value "0" by "-1" of IHYPER, during output, has been also corrected.

Pre-processing tools

Laminates Drape: The Draping algorithm would occasionally produce improper material orientation in corners.

In certain cases, during Abaqus output, the data of the Rosette might be lost.

Deck Info: The algorithm for the Mass calculation related to NSM has been Improved, eliminating cases of wrong mass calculation due to the definition of NSM on a "Range of Ids".

Input Renumber: Special Numbering rules per type would be lost if assigned on an include, when reading this include as a separate (main) file.

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

Known issues resolved in META

General

When the Linux version of META terminated unexpectedly, the license would not be released by the license server.

The graphics performance was not optimal on the new AMD WX-series graphics cards.

Stress Linearization would not be performed on certain cases of Full Tensor results.

Linearly combining Medina Nodal Stress results could lead to unexpected termination.

The size of an image which was inserted in an excel table was not drawn correctly when saved in .pdf format by the Report Composer.

Supported Interfaces

Stress results on TRIA3 elements would not be read from NX Nastran 11 files.

Unexpected termination might occur when reading PAMCRASH files with CDATA comment blocks of 82 characters or more.

Unexpected termination when reading multiple Radioss Extra Variables results simultaneously.

Transparent shells would not be drawn correctly in cases of Enight adaptive mesh analyses.

Star CCM+ VolumeFractionResults would not be read.

Scripting

The script function models.DeleteModel would delete models from all windows instead of the specified ones.

The script function elements.DistanceElementToGroup would not calculate Total Elongation correctly.

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 16.2.4 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_v16.2.4**" and are dated as of **December 8, 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.