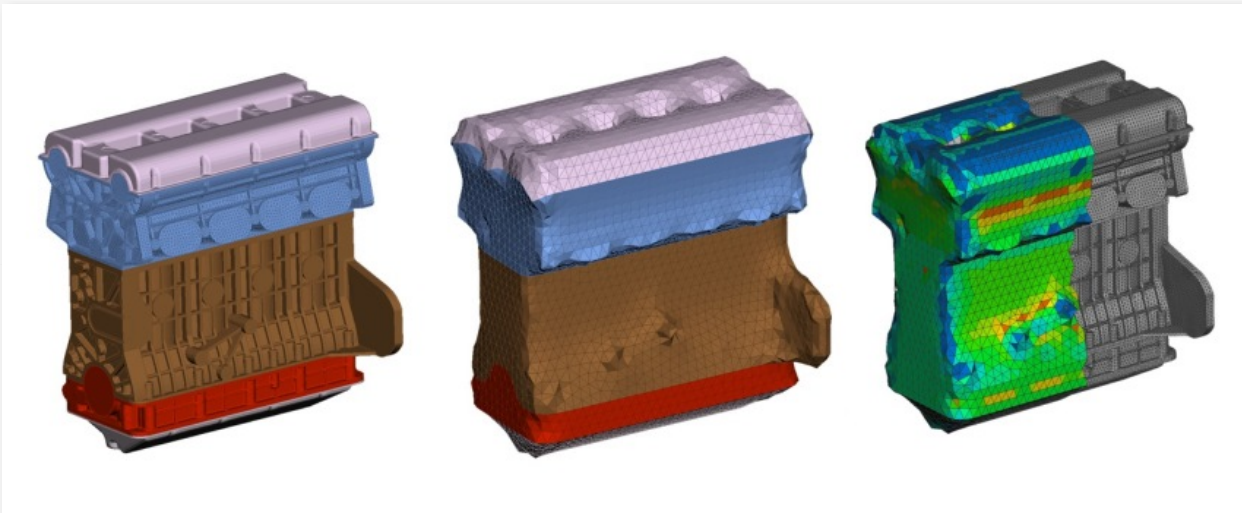


November 10, 2016

## BETA CAE Systems announces the release of the v17.0.2 of its software suite



### About this release

BETA CAE Systems announces the release of the new ANSA / EPILYSIS / META v17.0.2 suite.

This maintenance release focuses on resolving identified issues with v17.0.2.

The most important enhancements and fixes implemented in v17.0.2 are listed below.

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### Enhancements and known issues resolved in ANSA

#### Enhancements in ANSA

##### Model Browser

Replace: The incoming part is added to a chain of multiple instances, only if the outgoing part is already part of such a chain.

##### TOPO

Mid Surface Check: The sensitivity of the algorithm has been improved.

##### Shell Mesh

Elements *Point Cloud*: Significant performance improvement for cases with millions of Points.

##### DECKs

Results Mapping: Sequence name, Layer name, and Layer group fields are now imported by the results mapper when laminate information is loaded from Simulayt .Layup files.

## Abaqus

Scripting: The *SetEntityCardValues* is now able to handle the ELSET/INTERACTION field. of the \*CHANGE FRICTION keyword.

## HEXA BLOCK

Modification *Offset*: The option "Allow interior faces selection" is now available in the options list.

## Known issues resolved in ANSA

### General

Scripting: The *CreateShellsFromSolidFacets* function now accepts only Solid elements as objects, instead of solid facets.

### Volume Mesh

Volumes: Not all erroneous entities would be detected and listed at the Volume Check List.

Unstructured Mesh: During the creation of Unstructured Volume Mesh, some solid elements might be missing.

### CFD DECKSs

Deleting properties through the Property list, properties with FROZEN\_DELETE were also deleted, when the option "Delete Included Entities" was activated.

### NASTRAN

Deck Info: Improved algorithm for the Mass calculation related to NSM.

### PERMAS

Input: MPCs with ids > 99999999, would not be read.

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

ANSYS total mechanical & thermal GCS strain results for shell elements would not be read.

Unexpected termination might occur when reading Pam-Crash files with CDATA comments of 82 characters or more.

LS-DYNA ECS solid element results were not supported.

OpenFOAM displacement results would not be read correctly.

Star-CCM+ VolumeFractionResults would not be read.

### General

Software blocking trying to create a stress linearization report.

Unexpected termination with linear combination of Medina nodal stress results.

Unexpected termination when trying to copy a curve to another plot window.

Unexpected termination could occur when saving a curve in TABLED format with the option to generate A/LC points as ANSA comments.

### NVH Calculators

In the Modal Response tool if a response node was not present, modal energy plots appeared to lack phase.

In the FRF Assembly tool, states created by the Animate button had no results in certain cases.

### Identify

Software blocking with the identify history command at certain cases.

Identify history on complex results would not plot real part of curves.

Node to plane distances were not identified 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 17.0.2 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\_v17.0.2**" and are dated as of **November 10, 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.