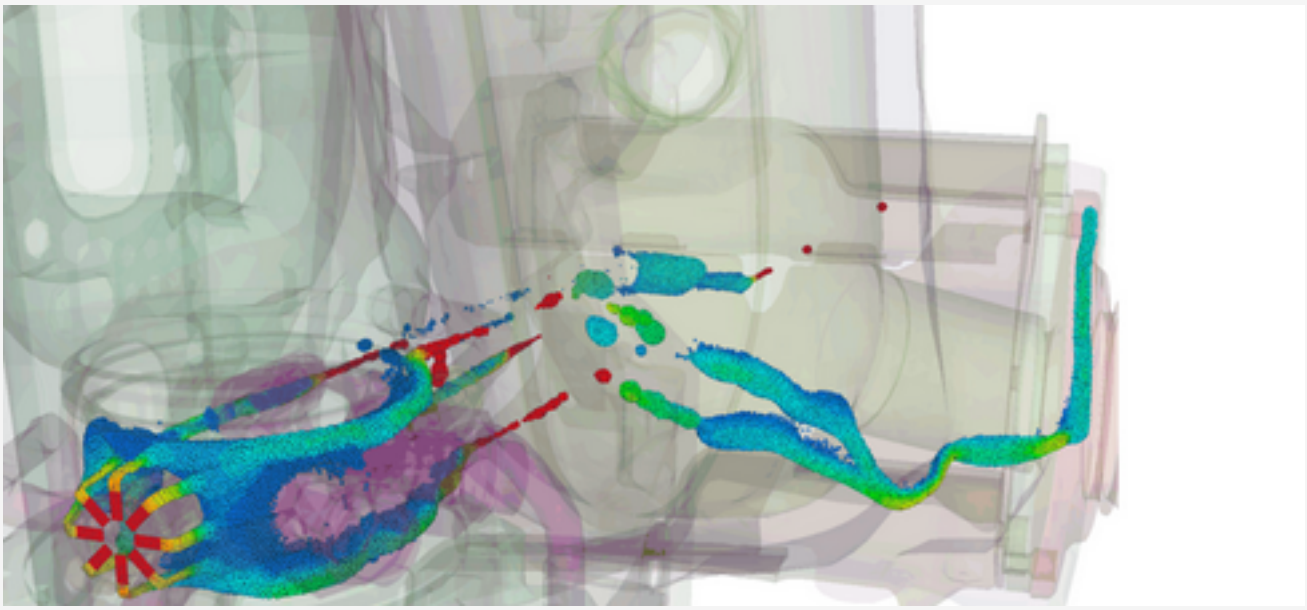


December 6, 2019

## BETA CAE Systems announces the release of the v19.1.5 of its software suite



### About this release

BETA CAE Systems announces the release of the ANSA/EPILYSIS/META v19.1.5 series.

Apart from fixes for detected issues, this version also hosts noteworthy enhancements and implementations.

The most important enhancements and fixes are listed below:

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### Enhancements and known issues resolved in ANSA

#### Enhancements in ANSA

##### Compare

A new option has been added in the Compare Settings namely "Apply\_Differences\_Similarities\_PID\_Matching". It controls how incoming PIDs are merged, when selecting "Apply Similarities/Differences" with the "Faces to copy" option.

#### Known issues resolved in ANSA

##### Model Browser

ANSA might cease to respond, when opening a file with a large number of instances.

## Topo

The Base.ConsProject() script function would erroneously return deleted entities when the option "Delete Faces" was activated.

## DECKs

The RES.MAP functionality would not map results on all selected parts.

## NASTRAN

Fixed performance issue for mass calculation when NSM BCs were involved.

## RADIOSS

During input, unexpected termination might occur, when /MONVOL was read.

## STAR-CCM+/STAR-CD

Non-polyhedral elements would not be read correctly, for files containing topology type information.

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

## Known issues resolved in EPILYSIS

### NVH

EPILYSIS would not output the results for the x-direction of the first node, when calculating an MNF file.

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

## Enhancements and known issues resolved in META

### PAM-CRASH

Reading FPM results from ERF files is now enhanced, both in terms of speed and memory usage.

### Modal Response & FRF Assembly

Significant performance improvement, when reading loads from Abaqus .inp files in the Modal Response tool.

Moreover, the total displacement in the Modal Response tool is now calculated as the maximum displacement across all angles, instead of the magnitude of the complex displacement vector. Now this calculation is compatible with the calculated results when loading "Magnitude" curves in the 2Dplot of META.

## Known issues resolved in META

### Read Results

Unexpected termination might occur, when trying to read results exported from AutoForm .m01 file (PAM-STAMP format).

Unexpected termination could occur, when reading displacements from Radioss H3D file.

### Identification of Entities and Data

Selecting nodes using polygonal and front only selection, could lead to unexpected termination.

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 19.1.5 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 Downloads menu items give you access to the public downloads. 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\_v19.1.5**" and are dated as of **December 6, 2019**. 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, download from the respective folders, the .sh file for Linux or the .msi file for Windows.

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.