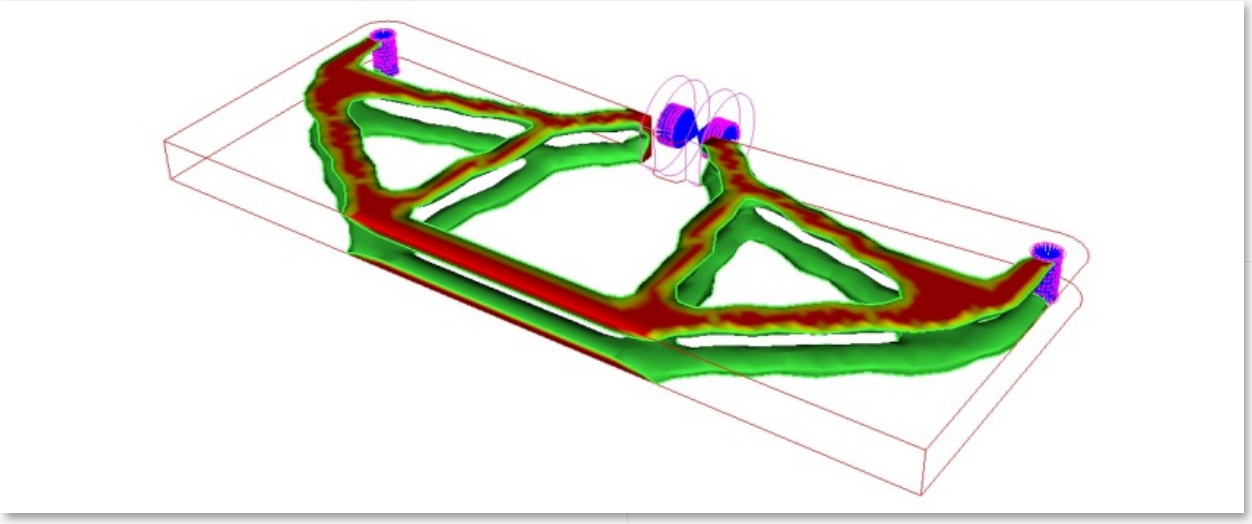
BETA
SIMULATION SOLUTIONS

physics on screen

September 24, 2018

BETA CAE Systems announces the release of the v18.1.3 of its software suite



About this release

For those committed to the v18.1x branch of our software, BETA CAE Systems announces the release of the new KOMVOS/ANSA /EPILYSIS/META suite v18.1.3.

In this version new features have been added and corrections have been implemented for identified issues.

The most important enhancements and fixes implemented are listed below.

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Enhancements and known issues resolved in ANSA

Enhancements in ANSA

CAD to ANSA Translators

The following releases are now supported:

- NX12
- CATIA R28
- Inventor 2019
- Creo 5.0
- Acis R27

Known issues resolved in ANSA

Lists

Database: Applying connections including a GUI interruption (e.g. reconstruct preview), with the connections list pick button deactivated, through the Database Browser would sometimes lead to unexpected termination.

Model Browser

General: The loading of a subsystem would fail on Windows OS, if it referenced its file through a windows path (i.e. a path containing backward instead of forward slashes) in the DM/ Load Path attribute.

DM: Application of 'Change Representation' or 'Reload' function on a part, which had been saved in DM along with its Subsystem, would lead to more than one Sybsystems in Model Browser.

Compare

During comparison, ANSA would lead to unexpected termination, in case of very long list item names.

Connections & Assembly

Bolts: Realization would not be successful, if just the 'Attach to Perimeter' search option was activated.

Decks

General:Invalid values, such as the "User Defined" option of Color Bar Range and Color Bar Options, saved in ANSA defaults when a DrawMode was active, could lead to unexpected termination in tools such as Inverse Forming and Laminate.

Input

LS-DYNA: The *INCLUDE_TRANSFORM would erroneously transform nodes of *CONSTRAINED_EXTRA_NODES entities, when the nodes were on another Include than the Include containing the rigid body definition.

Abaqus: *INITIAL CONDITIONS that were applied on elements with 9-digit Ids would not be read.

TAITherm

Material: Unexpected termination would occur when a TAITherm material.DB was saved in ANSA.

MORPH

Controls > Parameters: Morphing parameters, defined on 1D boxes, would be erroneously read in files saved by previous versions.

Scripting

Unexpected termination would occur, when importing a package in python, which did not have the __init__.py file inside the respective directory.

base.CollectEntities(): When function called for simple Parts or Model Browser Container entities would sometimes return entities that were not valid in current deck, thus not displaying their type or id.

base.CheckAndFixGeometry(): "Sharp Edges" geometry check would lead to unexpected termination, when running through script. In addition, the functionality would be affected by global ANSA defaults and not just the function arguments.

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

Enhancements in META

Read Results

Binout files compressed with gzip can now be read by META directly.

Occupant Injury Criteria Toolbar

Support of v1.6 THOR-50 and v3.2.x H3-95 dummies.

Known issues resolved in META

Read Results

META was not showing the available results when loading binout file and answering Yes to load more binout files from the same folder.

Managing Curve Data

Synchronized curves with models could become hidden.

Curves were drawn behind the Grid Lines in plots with log axes.

Images and Video Handling

Incorrect pixel format used for *.amf video files.

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 18.1.3 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 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_v18.1.3"** and are dated as of **September 24, 2018.** 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.