January 28, 2022

BETA CAE Systems announces the release of the v22.0.2 of its software suite

About this release

Aiming to further upgrade your workflow processes while eliminating numerous error-prone factors, a second bug-fix release for v22.0.x series is now deployed for ANSA/EPILYSIS/META and KOMVOS.

Follows a selection of the most important items:

Known issues resolved in ANSA
Known issues resolved in EPILYSIS
Known issues resolved in META
Known issues resolved in KOMVOS
New Documentation
Compatibility and Supported Platforms
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Known issues resolved in ANSA

General

Unexpected termination would occur while editing a material database path within Settings.

Moreover, Transform and Transform [Move] actions, such as pasting CONS/ Perimeters with underlying Volume entities, could also lead to abrupt termination.

Model Browser

Unexpected termination would occur when an empty configuration was activated.

Data Management

ANSA would terminate unexpectedly when adapted Subsystems or Group Subsystems containing adapted Subsystems were saved in DM.

DECKs

Unexpected termination would occur throughout the following cases:
- upon activation of Auxiliaries > GEB [GEB GN], when GEB was attached to Rigid material - upon Input/Output of A_POINTs, due to erroneous definition of not Applied entities - upon editing of an existing Thermal loadset, under NASTRAN > THERMAL [Applied Heat]

Plugins

The Beam Optimization tool would terminate unexpectedly right after starting, when no model was open in ANSA.

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

Known issues resolved in EPILYSIS

General

WEIGHTCHECK/GRDPNT would not be calculated correctly in SOL101 case with DMIG (M2GG).

MUMPS linear solver would fail, when memory was set to "unlimited" during an "IN ANSA" solution.

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

Known issues resolved in META

General

META would unexpectedly terminate, when deleting a window during animating.

Read Results

Default settings for loading stress results on shell elements corners were not respected and scalar results on nodes of CBAR beams could not be read correctly.

Cases of wrongly interpreted results have been combatted including:
PIDs from conjugate heat transfer Converge cases in .h5 format and Vector results on nodes of CBAR beams for Ensight.

User Toolbars – Crash & Safety

FMVSS 201U: File paths on Windows OS were not read correctly from the configuration file.

Low Speed Impact:

The toolbar could not read results in Linux.

EU-NCAP MPDB:

The Hide Flying Elements function had been fixed.

Automation

Memory leak could occur when using script function results.StartChangingCentroidScalar().

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

Known issues resolved in KOMVOS

The variance estimation of the predictions was not computed correctly.

Feature based group prediction would return zero (0) values for all but the last predictor, when few predictions were requested.

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

New Documentation in ANSA

User Guides

Tutorials:

- Map Block

New Documentation in META

User Guides

- Toolbars
  - Participation Analysis
  - Deployable Bonnet Systems Assessment

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 22.0.2 are compatible and can be opened by META version 16.0.0 or later.

Support for Mac OS has been discontinued.

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 "sign in" 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 folders named **"BETA_CAE_Systems_v22.0.2"** and are dated as of **January 28, 2022.** 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 "Previous_Versions" or in a folder named after the product and version number.