May 19, 2021

BETA CAE Systems announces the release of the v20.1.6 of its software suite

About this release

BETA CAE Systems announces the v20.1.6 release for ANSA/EPILYSIS/META and KOMVOS, hosting numerous fixes in recently detected issues.

Follows a selection of the most important items:

Contents

License Management for ANSA and META

Focusing on the Command Line arguments, the LM retry option (-lm retry timeout) can now be restricted by user-defined timeout. The respective flag is followed by the desired timeout in seconds and its minimum acceptable value is 60.

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

Known issues resolved in ANSA

Translators JT

Parts might be missing, when the Read mode included Geometry.

Database Browser

Abnormal termination might occur upon deletion of solid elements, when deleted directly (e.g. through the Database Browser list of

solids) or indirectly (e.g. through the deletion of other containers such as, includes or Model Containers).

Volume Mesh

Octree algorithm:Small areas are now identified more accurately and, therefore, the quality of volume mesh in Cavity is now improved.

Hexa Block

Unexpected termination could occur if a database containing pentahedral boxes was meshed by the "Mesh" function from the Hexablock list.

Compare Report

Report for Connection entities would not be generated correctly.

NASTRAN

Several issues regarding B.C. SETs and specifically HEADER have been addressed, including:
- The OUTPUT keyword would not be written, upon Case Control Command execution.
- The activation/deactivation of SOL400 Steps via scripting for HEADER [New > Loadcase] would not function properly.

Scripting

Upon base.ConsToCurves() execution, unexpected termination could occur in case other entities -instead of CONS- were provided as input arguments to the function.

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

Known issues resolved in META

Decks - HyperView

*h3d files, referencing 2019 & 2020 HyperView libs, are now successfully interpreted in META.

Decks - NASTRAN

META could cease to respond if multiple META sessions used femzip NASTRAN models to read results simultaneously.

Unexpected termination could occur when coordinates were written with single precision.

Decks - LS-DYNA

Reading geometry from *.d3plot files resulted in incorrect PID thickness.

Results would not be correct for partially loaded geometries.

Decks - TAITherm

Results in EnSight format would not be successfully read.

NVH Calculators – FRF Assembly

When modal participations were requested for a single component with no connections, the calculated results would be falsely zero.

Curve Functions – Contribution Analysis

Session command for creating contribution analysis plots would not accept curve ID ranges. Moreover, the fractions plots were not created correctly if the curve list displayed the curves from all windows.

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 20.1.6 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" or "Version <16.0.0".

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_v20.1.6"** and are dated as of **May 19, 2021.** 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.