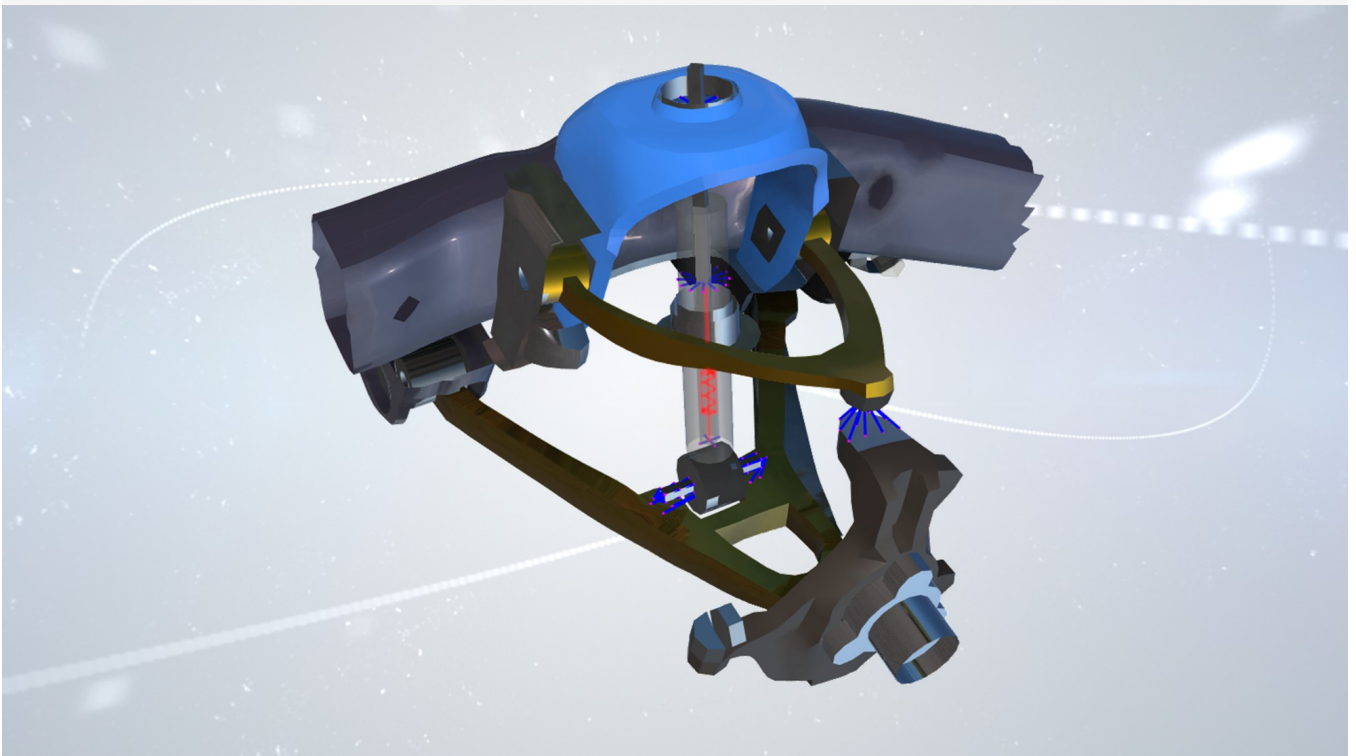


October 09, 2020

BETA CAE Systems announces the release of the v20.1.4 of its software suite



About this release

BETA CAE Systems announces the new bug-fix release of ANSA/EPILYSIS/META and KOMVOS v20.1.x series.

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

Follows a selection of the most important items:

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Enhancements and known issues resolved in ANSA

Enhancements in ANSA

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JTOpen toolkit is now upgraded to version 10.7, providing numerous fixes to already acknowledged problems.

Modular Run Management

The version spin-up mechanism of Simulation Models and Loadcases has been noticeably enhanced: From now on, it initializes the versioning attributes of associated Simulation Runs, assuming that the new Simulation Model or Loadcase version acts as a new "branch" in the Simulation Run history tree.

Known issues resolved in ANSA

License Management

ANSA would falsely release the License due to IDLE USER TIMEOUT, while running a batch (volume) mesh scenario.

Model Browser

Abnormal termination could occur, when building a marked as Current Subsystem.

Parts with empty name could cause unexpected behavior, including termination. Now such Parts are identified and fixed while reading the database.

Modular Run Management

Abnormal termination might occur following unloading and reloading a Subsystem, whose A_POINTS/LC_POINTS were used by other entities, or whose Assembly Points were used by Connectors.

TOPO

Executing the function Offset [Faces] could lead to erroneous selection, when switching to PID selection mode.

FE Representations - BOLT

The "Reconstruct Zones" option could lead to unexpected termination.

LS-DYNA

Output in i10 format would fail in cases, such as models including 2nd order solid elements or specific element types.

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

Known issues resolved in EPILYSIS

Calculate

EPILYSIS would give erroneous results at 0.0Hz frequency, in case of models with no structural damping.

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

Graphics – Drawing

META graphics performance has been significantly enhanced on NVIDIA GRID GPUs.

Known issues resolved in META

Graphics

Unexpected termination could occur when reading a new model with Render functionality enabled in multiple windows.

General

Loading a 2d model in a new window via the Template Manager could lead to unexpected termination.

Flow Paths

Output of Vortex Cores in NASTRAN format would produce unrealistic results.

Images & Video Handling

Video duration would be longer than expected, when the OpenH264 codec was used.

Collaboration Tool

Saving or loading results in a shared folder, while in collaboration, is no longer subject to disruptions.

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 20.1.4 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_v20.1.4" and "KOMVOS_v20.1.4", which are dated as of October 9, 2020. 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.