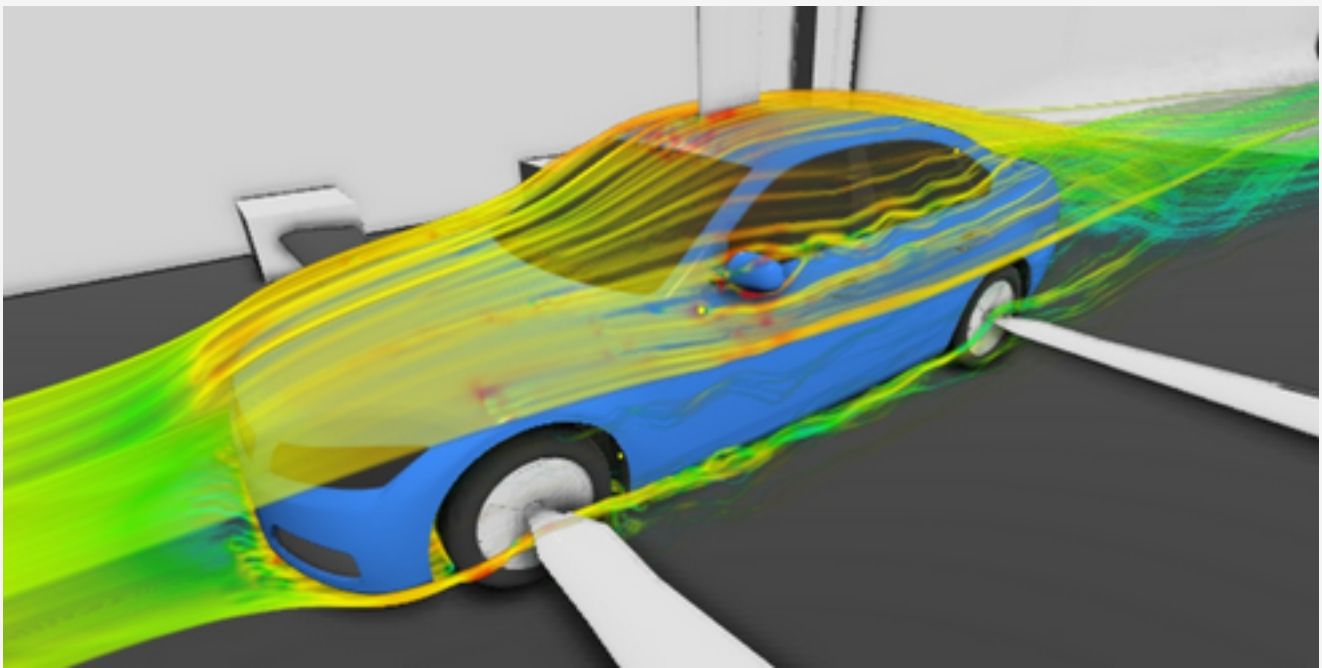


December 27, 2019

BETA CAE Systems announces the release of the v20.1.0 of its software suite



About this release

BETA CAE Systems announces the release of version 20.1.0 of its software suite with solutions for every stage of the product development process.

The v20.1.0 paves the way for more efficient process streamline and acceleration, as it successfully embraces noteworthy enhancements in the lately introduced functionality of v20x series, coupled with distinctive new features.

Some key points about the new tools and the noticeable software features of this version are highlighted below.

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New tools & Highlights

ANSA

Towards an even more efficient model build-up process, ANSA v20.1.0 expands the already introduced Standard Parts Library concept, embracing the notion of Fasteners' automatic recognition, handling and modeling through Features Manager.

Version 20.1.0 invites you to delve further into the core of BETA products by introducing new features , such as the User Defined Quality Criteria, and the enrichment of the Virtual Reality implementation with Morphing and Optimization functionality.

EPILYSIS

EPILYSIS, comes with extended functionality for SOL200 Multidisciplinary Optimization. It expands Topology Optimization capabilities with MAC-based mode-tracking, as well as Density Filtering Method and Maximum Member Size (TVMAX).

Further enhancing interoperability and interaction with other simulation software, ANSA users can now create various representations of Reduced Order Models from large scale FEM models, using EPILYSIS (or META), and then export them for use in 3rd party multi-body dynamics and control system software.

META

META goes a long way in the Graphics area, providing enhancements not only in the field of visualization, but also in the speed performance. The new version augments the Virtual Reality experience via new features, such as Voice Commands, and upgrades in existing features related to model manipulation and handling, such as Explode and Teleport.

Noteworthy performance improvement in METADB files and dedicated toolbars for NVH analysis are amongst the new tools and features that add value to our post-processing solutions. Same time, new classes supplement the creation, modification and deletion of data from Report and Spreadsheets. Coupled with a new META script API, these developments offer less memory consumption and faster execution.

KOMVOS

Following its distribution as a stand-alone application, this version, amongst other developments, brings a new layout to display DM relationships increasing efficiency in core operations, and performance in all user scenarios.

RETOMO

The introduction of Python support in RETOMO enables the acceleration of even the most demanding and time-consuming image and mesh processing actions, and makes possible the training and application of Artificial Intelligence via a Python script.

Not to be missed, the significant performance improvement for large projects, as part image manipulation and loading of large meshes take place now much faster.

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

Graphic Requirements

Upon v20.1.0, the minimum graphic requirements for ANSA and META are:
AMD or NVIDIA GPU with at least 1GB of video memory and OpenGL 3.3 support.

In case of unsupported hardware in Windows or Linux, ANSA and META will automatically fallback to software rendering using Mesa LLVM rasterizer pipeline. Additionally, Mesa can be manually activated.

For more details please refer to the Release Notes document.

New Documentation

Best practices

- Working with fastener library.

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 20.1.0 are compatible and can be opened by META version 20.0.0 or later. To be readable by META versions earlier than v20.0.0 or 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 "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_v20.1.0**" and are dated as of **December 27, 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, the .sh installer file residing in the folder with respective platform name, for Linux or the respective .msi installer file for Windows, 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.