BETA CAE Systems S.A. announces the new v14.1.2 release of the ANSA & μETA pre- & post-processing suite

BETA CAE Systems S.A. announces the release of v14.1.2 of our ANSA & μETA pre- and post- processing suite.
This maintenance release focuses on the correction of identified problems and issues for ANSA and μETA. The most important resolved problems and new features are listed below.

Enhancements and Known Issues Resolved in ANSA

Known Issues Resolved in μETA

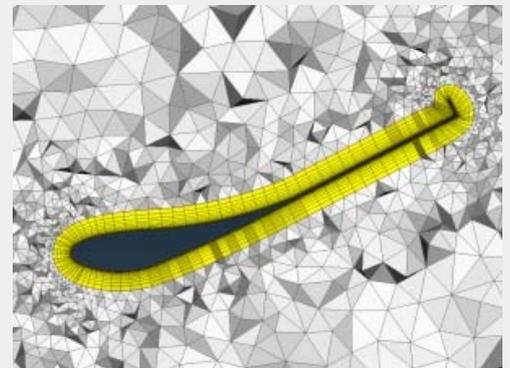**Compatibility**

Download

Documentation

New features, Enhancements and Known Issues Resolved in ANSA

Enhancements in ANSA
- A new User Defined Function called PostWrapFix included in the CFD_ANSA_TRANSL that performs automatic fix of the surface wrap mesh to eliminate intersections, flipped elements, proximities and quality violations.

Known Issues Resolved in ANSA
- Layers: Major fixes regarding proximity, smoothing, and side auto-connection
- Connection Manager: the "Do not move" option of "FE Rep Settings", would block the realization of certain FE representation types
- Reconstruction of Bolt zones would not work for 2nd order elements
- Shell mesh reconstruction would affect the connectivity between shell and solid elements
- Dummy: Move limps would lead to unexpected termination
- Pedestrian: Positioning would generate wrong named files when master file had no extension
- Nastran load creation through scripting could lead to unexpect2d termination
- PERMAS: Wrong export of masses would be applied for "Per element" and "Per Area" options

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

Go to Top

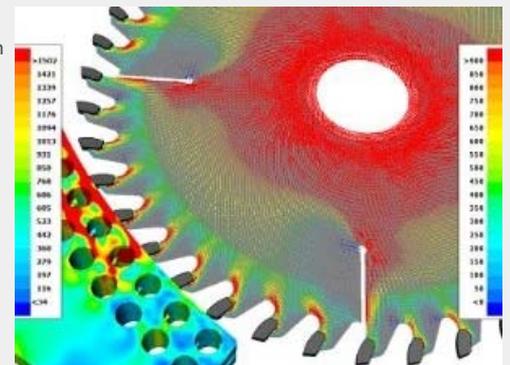## New features, Enhancements and Known Issues Resolved in μETA

Known Issues Resolved in μETA
- Unexpected termination when using the "Small Displacements" reading option in certain cases
- Abaqus models with the *MODEL CHANGE keyword would not be displayed correctly during animation
- ADINA *.op2 files: certain results would not be read correctly
- ANSYS files: results from PSD analysis would not be read correctly
- MEDINA files: complex results would not be loaded correctly on solid elements
- LS-DYNA sphout time histories: not all results would be read
- Permas .bof files: wrong tensor results would be read if both Top and Bottom results existed
- RADIOSS time histories: beam and truss would not be read correctly
- JT files would be exported with millimeter length units

and more…

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

Go to Top

Compatibility

ANSA files saved with version 14.1.2 can be opened by v14.1.x and v14.0.x but not previous versions.
The .metadb files saved with μETA version 14.1.2 are compatible and can be opened by earlier versions of μETA.

Go to Top

Download

Where to download from

Customers who are served directly by BETA CAE Systems S.A. 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 http://www.beta-cae.gr
Contact us if you miss your account details. The [Public] link will give you access to the public downloads area.
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_v14.1.2"** and are dated as of **July 9th, 2013.** 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 following files have to be downloaded:

- the .sh installer file residing in the folder with respective platform name, for Linux amd MacOS, 32bit or 64bit or the respective .msi installer file for Windows, 32bit or 64bit, and
- the turorial example files that reside at the top level of the folder of this distribution.
- In addition to the above, optionally, the μETA Viewer ia available to be downloaded for each supported platform.

The Abaqus libraries required for the post-processing of Abaqus .odb files are included in the installation package and can be optionally unpacked.

Previous software releases can be found in the sub-directory called "old" or in a folder named after the product and version number.

Go to Top

Documentation

Documentation is packed into the distribution package. After installation procedure, you will find html files that will guide you through the available PDF documents for ANSA & μETA, including the Release Notes, the Users Guides, and tutorial instructions.

Release Notes

Please refer to the Release Notes document for more details about the software corrections and the new features.
A detailed Release Notes documents are available in PDF in the download directory and also in the /docs sub-directory within the installation directory.

Tutorial files' availability

The demo files necessary to cover the tutorials' documentation for both ANSA and μETA are available to be downloaded from the top level of this version distribution in the [Public] area.

Go to Top