

New software version release announcement

December 21st, 2008

BETA CAE Systems S.A. announces the release of ANSA v12.1.6 with advanced new features, enhancements and corrections

The official software release is comprised by the latest ansa_v12.1.6 files that reside in the server at the time of this announcement.

These replace any pre-releases and files downloaded prior to this date (i.e. 21-December-2008).

ANSA v12.1.6 can run only with beta_lm_tools v6 or later.

It is necessary to update the License Manager to version 6.0 or later before running ANSA v12.1.6.

The latest beta_lm_tools is v6.1

Some of the advanced new features are:

Task Manager: *Cutting Box:* define a box with cutting planes. Moreover you can specify different entities on each plane cut.

Contact Flanges: you can specify the entities (parts or properties) to search for contact areas. Also an existing contact can be used as template of the created contacts.

Connections Manager: Additional validation checks for zero length elements generation and extra options for "spider2" FE-representation.

Part Manager: Save the complete parent structure option.

Mesh: New options in *Fill Hole* and for *Splitting* shell or solid elements.

Materials : The Material ID is taken from the MatDB when updating materials during the CAD translation.

Pre-processing Decks: *RENUMBER:* *Clear Range* new option. Enhancements in handling numbering rules, new IDs creation and entities selection.

MODEL CUT: extended options and capabilities. You can specify different entities on each plane cut.

CONACT>FLANGES: enhanced interface to pick entities to participate into the search, use existing contact as template.

Trim Item: PropNSM can be applied to line elements.

ABAQUS: Enhancement in auto creation of Contact pairs, in Boundaries, Initial Conditions and Constraints.

Scripting: new script built-in commands.

Script collection: new scripts and updated scripts for better performance have been added.

Documentation: updated pdf documents, including tutorials, reference manuals.

Numerous known issues resolved:

(e.g. Seatbelt creation and Impactor positioning in TASK Manager, Offset elements and Align nodes combination, ...)

For details about the new software features, enhancements and corrections please refer to the **Release Notes** pdf document that is available with the software.

Compatibility issues: ANSA databases saved by version 12.1.6 can **not** be opened by earlier versions.

Our customers may download the new software from their account in our server.