Inventium 2014 R1 Release Notes

Introduction

Inventium 2014 R1 is the latest release of the Inventium software, which includes PreSys, and VPG Modules, Drop Test, FSI. This software includes many new features, enhancements and bug fixes which improve the product with respect to usability and expanded functionality.

Updates in PreSys 2014 R1

Substantial updates to the software have been implemented in the release of PreSys 2014 R1. The list below includes they key updates and more details can be found in user's manual and application manual.

- Model file (.mdl) format change
    - Models saved by 2012 R3 (SP1) can be opened directly but geometry information will be skipped
    - Models saved by 2012 R3 or earlier version cannot be opened directly.
    - In order to bring geometry information to 2014 R1 from the existing models, users can open existing models in 2012 R3 and export IGES file

- Geometry modeling & mesher
    - Stitch surface
    - 2-Edge mesher
    - Enhanced solid mesher (drag mesh, linear mapping and sweep mesh)

- FE modeling
    - Split element (1 to N)
    - Modify LS_DYNA rigid links
    - Renumber keywords
    - Find node by coordinates
    - Project nodes
    - Model Check
    - Unified project function
    - Unified Offset function

- Part & Connection
    - Part Replacing
    - Part Thickness Color
    - ID filter for part on/off
    - Bolt connection (LS-DYNA and NASTRAN)
    - Glue (LS-DYNA)
    - Update link for connector

- Selection & User interface
    - Select node/element by path
    - Select solid element by spreading
    - Show/hide selection dialog
    - All functions keep last exit status and parameters

- Check for updates

- Solvers
    - Support unresolved ID
    - *INCLUDE_TRANSFORM (LS-DYNA)
    - Update LS-DYNA keyword template to 971 R7.0
    - Advanced Dynamics (NISA)
    - Convert NASTRAN model to NISA

- Graph & Post-processor
    - Simplify Curve operations
    - Query
    - Reload result (LS-DYNA)
    - Read mode file d3eigv (LS-DYNA)
    - Plot history curve and contour (NISA)
    - Generate pedestrian protection analysis result picture or ppt

- Application
    - Suspension generation
    - Pedestrian protection improvement
    - Seat deformation improvement
    - Crash regulation update

- CAD interfaces updates
    - Support the latest CAD version
    - Export STEP file
    - Export ACIS file

- Performance Enhancement
    - Transparency
    - Check shell normal and reverse normal
    - Renumber elements/nodes

- User manual

Getting Support for Inventium 2014 R1

ETA Software Distributors are the primary support team for the PreSys product. Each Distributor has access to all of the tutorials and manuals that are part of the product release. Distributors are equipped to answer all questions, but may have to refer questions to ETA for resolution.

Users may also obtain supporting via http://www.eta.com or http://www.inventiumsupport.com. To request support, the user can complete a support form.

Additionally, all customers who are eligible for support may request it via email by reporting your problem to support@eta.com, or by calling 248-729-3010 from 8:00 AM – 5:00 PM (+5 GMT).

Useful Info:

ETA Software Support:

Phone: 248-729-3010
Email: support@eta.com
Website: http://www.eta.com/support2 or http://www.inventiumsupport.com

Product Updates:

Visit http://www.eta.com/login to login or register for a new account.