



Draft Angle Analysis Plug-In Build 1331 Release Notes

August 7, 2009

Description

The Draft Angle Analysis Plug-in allows the user to specify one or more parts in an assembly, and ask for visual feedback on what level of draft angle has been applied to these surfaces when compared to a “pull direction”.

Requirements

- SpinFire 8.3 Build 1212 released in March 2008 or later.
- Reader Build 1247
- .Net 2.0
- Windows XP

Functionality

This release of the Draft Angle Analysis (DAA) plug-in represents a major upgrade from the first release. Here are a few of the many items that have been included.

- Licensing was added.
- The display now uses smooth shading instead of flat.
- The UI has been simplified to allow for either limit or delta tolerancing.
- The analysis can be applied to entire parts or set of surfaces.
- On-line help was developed and can be accessed from the plug-in.

Improvements/Bug Fixes

A problem with compatibility with other plug-ins has been resolved. Plug-ins were developed with different versions of .NET and when SFP is launched, not all plug-ins would activate if other plug-ins were installed. With this build the incompatibility issue has been resolved.

Additionally the following bugs have been resolved.

- 6812 Dialog stays in picking mode when create coordinate system dialog is displayed
- 6809 Analyze button should be enabled as long as the entity count is not zero
- 6801 Switching to a different document before analysis is complete will cause DAA to hang
- 6770 Entity count reported is incorrect when Shift-Select is used
- 6769 Incorrect icon used for polylines in the DAA tree
- 6768 Pick in Viewer stops working
- 6767 Stop button doesn't work

- 6724 The default selection mode should be All Parts
- 6723 Analyze button should be disabled when nothing is selected
- 6610 Draft Angle Analysis plug-in should not do auto expand
- 6609 Draft Angle Analysis plug-in dialog should come out of picking mode when user does a SFP action
- 6606 Draft Angle Analysis plug-in's Stop button needs to be pressed twice
- 6605 Draft Angle Analysis plug-in does not activate when first document is 2D
- 6604 Draft Angle Analysis plug-in should switch to loading the new assembly when switching documents
- 6603 Parts with no surface should be ignored by the Draft Angle Analysis plug-in
- 6601 Need to change some text on the Draft Angle Analysis dialog
- 6591 Uninstalling plug-in corrupts SFP install
- 6562 Plug-in is not uninstalled completely
- 5978 Licensing capability for authorized DAA module distribution
- 5976 The DAA plugin needs to allow for upper and lower angle setting
- 5975 Keep DAA window on top of SFP by default
- 5550 Draft Angle Analysis plug-in dialog needs to close when user Adds documents
- 5544 Draft Angle Analysis plug-in fails to pick after changing Reference Frame before picking
- 5543 Parts no longer highlight after using Draft Angle Analysis plug-in
- 5542 Draft Angle Analysis plug-in's version number does not show up on the Plug-in page on SFP
- 5469 Draft Angle Analysis plug-in picking cursor canceled when going from 2D to 3D view mode
- 5458 Draft Angle Analysis plug-in breaks Zoom Window drag box
- 5452 Draft Angle Analysis plug-in will not work when installed into a different root directory

Known Issues

The following known issues exist with the Draft Angle Analysis plug-in.

- Some parts have the surface normal incorrectly oriented (the surface normal points into the part instead of out) so the resulting analysis will be off.