Inspire

Beta Changes

New Beta: 2024.1.123.0 Posted: April 19, 2024

Prev. Beta: 2024.1.114.0 Posted: April 12, 2024

This lists changes in the new beta since the prev. beta.

Beta postings should be used for testing and feedback only, not for production use.

Improvements

- When **lines** are constructed "**From Object Axis**", we now assure that if the input object is a geometry with a **size**, the resulting line will have the **same length** as the input object.
- A **computed nominal** will now be **created** for geometric features (circles, lines, planes, etc.) whenever one or more nominals exist in the inputs, **even if they are not currently valid**. This enables you to **reference this computed nominal** elsewhere even if it's not currently valid.
- When **point features** are **extracted from cloud** and the cloud has directions available, any cloud points which generally **face in the opposite direction** from the nominal geometry will be **ignored**. This allows, for example, extraction from thin parts without data from an opposite face corrupting the results.
- **Instruments**
    - **Hexagon CMM Arms (Model 7 Series and older)**
        - **Configure Instrument Connection dialog** was being **shown after every disconnect and reconnect.**
        - Since the ability to set connection parameters was introduced in RDS, it has been an option in Inspire.
        - To support running older versions of Inspire before this introduction, connection parameters were retrieved from RDS after successful connection.
        - That retrieval has shown to no longer work properly for Series 7 arms as of upgrading from RDS API v.6.2 to v.6.4.
        - This caused the retrieved parameters to be incorrect, and a subsequent connection would fail. Hence the recurring Configure Connection dialog.
        - As a result, the connection parameters that were used in the connection are now saved, as opposed to retrieving from RDS.
        - This is done for all arms exept RA8 arms, for which the retrieval from RDS still works.

- **Python Scripting**
  - Added a **Verbose button** to the Script Recorder for detailed output of script command arguments
  - **Run()** method now **returns a reference to its script command** instead of a Boolean
- Added ability to **create simulated measurements on features and CAD**
  - Need to have an instrument and one or more features and/or CAD models
  - Click Instrument >> Simulate Measurements
    - Supports probing (points are created) and scanning (clouds are created)
    - Results are associated with the selected instrument
  - Select features and/or CAD from which to generate simulated measurements

Fixes

- In some languages, instrument model numbers are listed last. The **auto-incrementing of instrument names** can lead to confusion because this will result in the model number changing for a jumped instrument (for example). The default instrument name scheme has been modified to prevent this from happening.
- It was possible to save **duplicate settings profiles** for certain settings (ie, Cloud Extraction). This has been fixed, and these duplicate profiles will be removed when opening Inspire.
- Fixed a **crash** which could occur in some cases when **sound is enabled** and an **antivirus application** is active.