

What's New In SA

CHAPTER

2

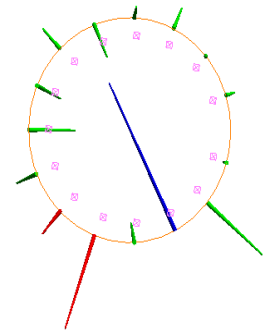
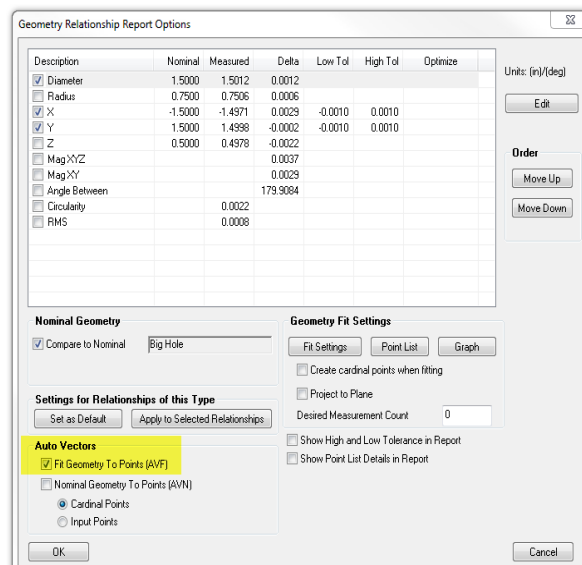
One of the advantages of SpatialAnalyzer is that development occurs at a brisk pace. New feature requests, bug fixes, and changes are implemented quickly, giving you the opportunity to start taking advantage of newly implemented features in a very short period of time.

2015.07.28

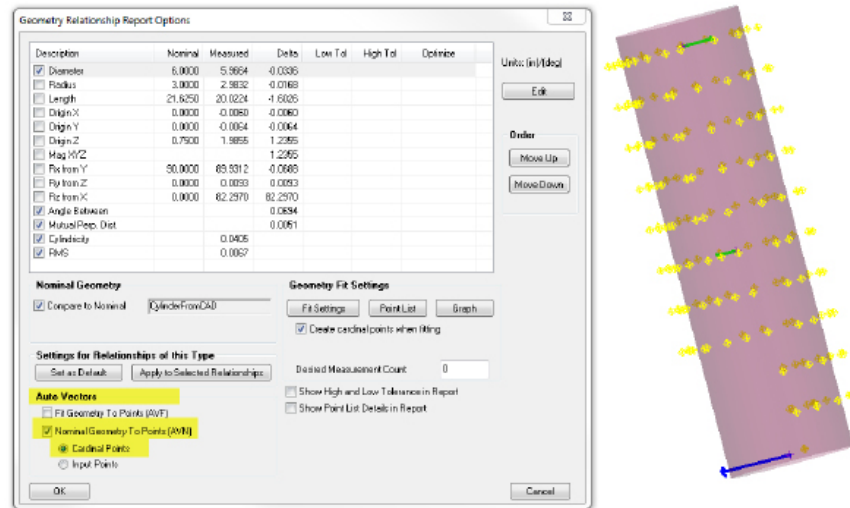
Relationship Enhancements

Auto Vectors

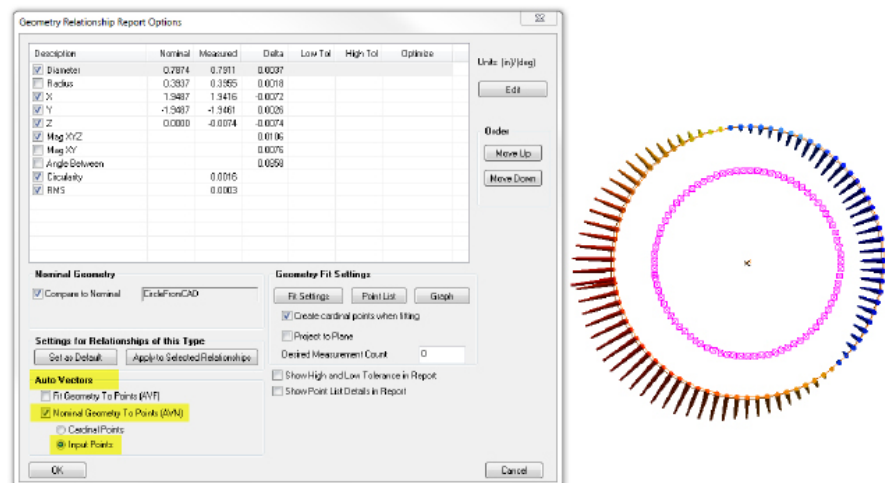
Users may now activate auto vectors to display the deviation of individual measurements to their fit geometry. The abbreviation *AVF* refers to *Auto Vector Fit*.



Auto vectors may also be activated to display the deviation between cardinal points of the measured feature to the nominal:



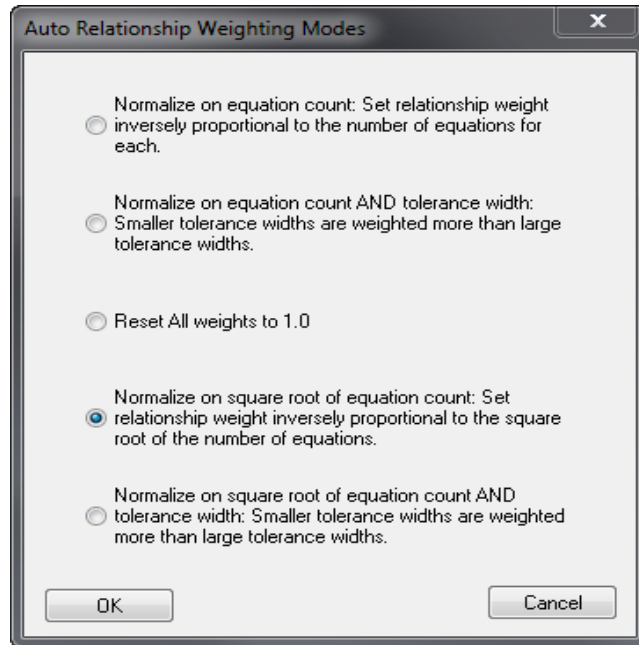
or between input points (compensated measurements) to the nominal geometry:



The abbreviation *AVN* refers to *Auto Vector Nominal*.

Normalize Weighting Options

Two new relationship weighting options have been added for relationship fitting. They use the inverse of the *square root(N)* where *N* equals the number of equations for relationship fit computation.



Average Point

Capability has been added to rename the average point and collect multiple average points in the same group.

The **Apply to Selected Relationship** option in the **Average Point Relationship Properties** dialog has been added.

Added **Sweep + Move** operation support in both the *Copy* and *Move* modes to preserve the same average point group/target name as it was defined in the source relationship.

Leica Automation Interface Driver

Added a **Measure** button for **TMAC** mode. This will send a measurement (at the probe tip center, if one is attached) to SA.

The **Record** button for the AT960 in the AIC will send the reflector center location for a subsequent beam reset command from MP.

New Measurement Plan Commands

Utility Operations

- **Get Screen Resolution.** Returns screen left, top, width and height for specified display.

Construction Operations

- **Rename Item.** Allows user to rename/relocate a callout view, chart, dimension, event, picture, relationship, SA Doc, SA Report, SA Report Template, scale bar and a table.

Instrument Operations (PCMM)

- **Configure and Measure.** The logic for this command as it pertains to arms is now identical to that of laser trackers. Please see the SA Readme file for more information.