Virtual Advanced

SpatialAnalyzer

SpatialAnalyzer

Instructors

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Featured Topics

REVIEW OF FUNDAMENTALS
Instrument toolbars.
Basic alignment techniques.
Drift checks.
SA Toolkit.

MEASUREMENT
Standard interface.
Simulation.
Observations vs. points.
Point metadata.

AUTO MEASURE
Multi-Pass.
Auto-correspond to proximity triggers.
Geometry triggers.

RELATIONSHIPS
Auto vectors.
Fit constraints.
Normalize weighting.
Tolerances.

GD&T
Import annotations.
Create annotations.
Perfom GD&T inspection.

TRANS-TRACK
Use multiple instruments to provide live 6D positional update to allow for real-time alignment of two objects.

USMN
Instrument network and reference system establishment.
Uncertainty calculations.

AUTOMATION
Introduction to measurement plans and SDK.

Course Information

Description. This is the second course in SpatialAnalyzer that covers advanced functionality of NRK's SpatialAnalyzer software for performing operations that extend beyond basic measurement, analysis, or reporting scenarios. In addition to covering advanced functionality, a review of fundamental concepts is provided.

Duration. Three days.

Prerequisites. This course assumes a user is familiar with common, basic operation of SA. The typical student has at least six months of experience using SA nearly daily in a production environment.

Organization. This is a lecture-lab in which topics are presented and demonstrated by the instructor, then practiced individually by the student. Realistic lab exercises, performed in groups, help to reinforce the material.

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