GeoRover® Range Tools Extension

PREPARE. VISUALIZE. TAKE ACTION.

Ring, ellipse, and arc features created with confidence

The Leidos GeoRover Range Tools extension provides powerful and interactive tools for creating, editing, and importing ring, ellipse, and arc feature layers in the commercial Esri® ArcGIS® for Desktop application (Basic, Standard, or Advanced).

These tools provide a fast, flexible interface for operational use and are compatible with any ArcGIS datum or coordinate system. Ring, ellipse, and arc features can be created on-the-fly and stored in shapefiles or geodatabase feature classes in the ArcMapTM application. The Range Tools extension allows for quick and easy creation and visualization of numerical range data on a map.
FEATURES

- Interactive point and click and coordinate based tools to create, edit and delete ring, ellipse, and arc features from shapefiles and geodatabase feature classes (personal, file, and ArcSDE®) on-the-fly within the ArcMap® interface.

- Wizard-driven import tool creates or updates range feature layers from any delimited text file (.csv, .txt, .tab, etc.), Excel® spreadsheet, database (Access®, Oracle®, SQL Server®, etc.) or semi-structured copy/pasted text with coordinates.

- Updating feature parameter values (radius, diameter, heading, sweep, semi/major axis, semi/ minor axis) updates feature size/shape instantly.

- All tools employ robust, smart, and flexible coordinate parsing capabilities to support widely used coordinate systems and formats (DD, DM, DMS, UTM, MGRS, XY).

- Range features are always geodetically correct when created and edited using the Range Tools extension.

- One-click button for displaying/hiding range feature center points.

- Options menu available for customizing user preferences and default settings, including add/edit and layer symbology, feature creation methods, and coordinate system behavior.

The Range Tools extension supports the creation of arc features with a center point, heading, radius, and sweep.

 BENEFITS

- Compatible with any ArcGIS datum or coordinate system.

- Fully compatible with enterprise (ArcSDE) databases.

- Quick and easy visualization of numerical range data on a map.

- Manage sets of range features based on the same center point.

- Fast, flexible interface for operational use.

- Range features are stored in shapefiles or feature classes.

- Combine coordinate import and buffering into one step.

- Flexible licensing options include Single Use and Concurrent Use.

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