

SuperGIS Topology Analyst 1.0

Specification Description

Topology Analysis

- Supports the use of Clean to process data before conducting topology analysis.
- Build process is supported for generating topology.
- Topology results can be exported to:
 - ❖ SFA (SuperGeo Feature Archives) file format: saves features of point, polyline, and polygon at once and records spatial relationships between features.
 - ❖ GEO and Shapefile formats: do not record spatial relationship between features.
- During the Clean process, users can set up a Fuzzy Tolerance parameter.
- During the Clean process, users can set up a Dangle Length parameter.
- With the Data Conversion function, users can convert the features stored in the SFA topology data to Polygon, Polygon Label Point, Polyline and Node vector files in *.geo or *.shp format.
- Tools for polygon label point:
 - ❖ Enable users to build a Polygon Label Point data from the SFA file to a point layer in GEO or Shapefile format.
 - ❖ Enable users to calculate the polygon layers in GEO or Shapefile format to obtain a Polygon Label Point data and export the result as a point layer.
- Attribute tools :
 - ❖ Enable users to assign related fields to join the attribute tables of SFA topology data or Polygon attributes of vector files in GEO or Shapefile format.
 - ❖ Enable users to assign related fields to join the attribute tables of SFA topology data or Polyline attributes of vector files in GEO or Shapefile format.

Support file format

- Vector files in GEO (SuperGeo GEO Format) and Shapefile formats are supported.

User interface and environment

- Can only be used on the Desktop SuperGIS platform.
- In accordance to the extensions of SuperGIS COM structure.
- User interface available in both Chinese and English.
- Complete Chinese and English user manuals.

System requirements

- CPU: Pentium II 266 or above
- RAM: 512 MB or above
- Operating system: Windows 2000/Windows XP/Windows 2003 /Windows Vista