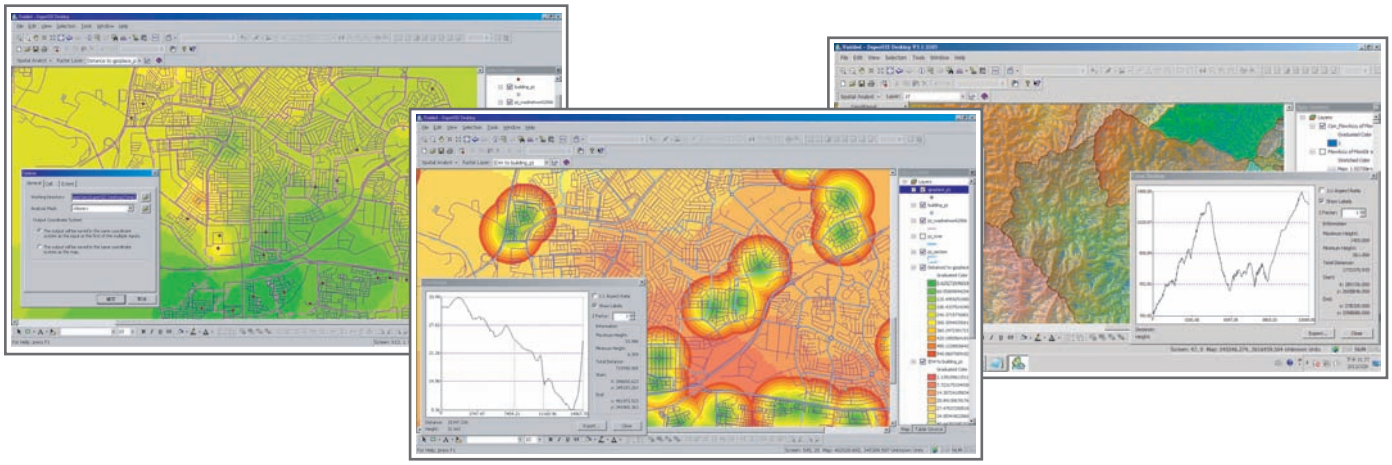
SuperGIS Spatial Analyst 3



SuperGIS Spatial Analyst 3, fully integrated with SuperGIS desktop 3, enables you to create, inquire, and analyze raster data. Supplying a variety of spatial modeling and analysis tools, SuperGIS Spatial Analyst 3 is ideal for obtaining the required geospatial information, performing different raster-based spatial analyses, and eventually extracting new information from the existing data to support your spatial tasks.

Key Features of SuperGIS Spatial Analyst 3 :

- Perfectly integrate vector data with raster data
- Analyze the relationship of spatial data
- Perform plenty of powerful analyses for raster data
- Provide hydrologists with comprehensive analysis tools
- Conduct statistics operation of raster data
- Easily create surface with interpolation tools

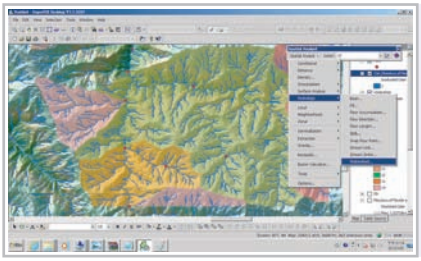
Functionality

- Conditional Analysis
- Density Analysis
- Surface Analysis
- Local Analysis
- Zonal Analysis
- Cross section
- Raster Calculator
- Distance Analysis
- Interpolation
- Hydrology Analysis
- Neighborhood Analysis
- Generalization Analysis
- Extraction & Overlay
- Image processing

Applications

- Spatial Location
- Social Security
- Facility Management
- Environment Protection
- Topography & Hydrology
- Science Research Assistance
- Natural Resources & Weather
- Medical Care & Infection Analysis
- Disaster Prevention & IResponse

SuperGIS Spatial Analyst 3 provides diverse tools and functions for carrying out in-depth spatial analyses.

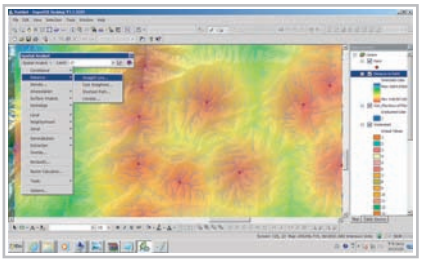


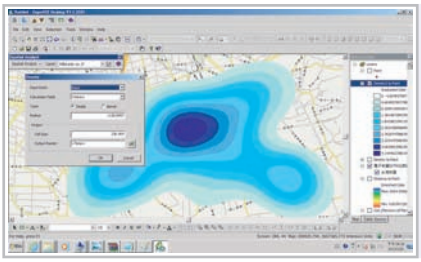
Hydrology Analysis

- The extension helps hydrologists to extract new information from hydrologic data. It contains various methods like basin, flow accumulation, flow direction, etc. With digital elevation model, hydrology analysis can be used solely or repeatedly to derive the flow direction and flow accumulation of the surface drainage model.

Distance Analysis

- Distance analysis is based on sample points to calculate the distance and traveling costs between each raster point and the nearest sample point. Several analyses are offered, such as Straight Line Distance, Cost-Weighted Distance, Shortest Path, and Corridor.



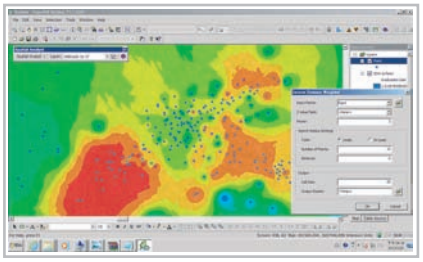


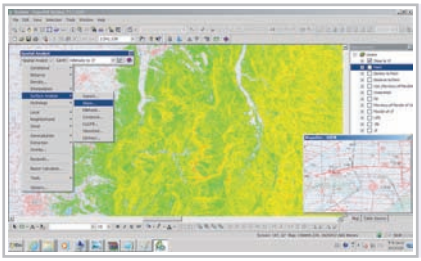
Density Analysis

- The density mapping tools offer Simple and Kernel methods to generate successive raster data by applying the distribution of the attributes on a certain surface. Both point and line can be analyzed.

Interpolation Analysis

- With Inverse Distance Weighted (IDW) and Trend methods, you can utilize Interpolation analysis to convert the sample points within an area to estimate the data of continuous surface and to predict the unknown values according to random point data in an area.





Surface Analysis

- By using surface analysis tools, you can define, build, and analyze complex surfaces in the original elevation. The analysis data can be displayed with quantities and charts, including slope, aspect, hillshade, contour, viewshed, etc.

- **Supported File Formats**
  - Supported vector formats, such as GEO, SHP, etc.
  - Supported raster formats, such as SGR, MrSID, GeoTIFF, JPG, ECW, etc.
- **System Requirements**
  - Windows 2000/ XP/ 2003/ Vista/ 2008/ 7 (32/64bit)

SuperGeo® GIS Software & Solution
2F., No.324, Sec. 1, Neihu Rd., Neihu Dist., Taipei City 114, Taiwan (R.O.C.)
Phone: +886-2-25467700 staff@supergeotek com
Fax: +886-2-25450167 www.supergeotek.com