

Mapping Software: Summary of Features  
Products listed in ascending price order

## THEMATIC AND PIN MAPPING

Ranged-fill types:

Quantiles

Equal proportions

Percentiles

Standard deviations

Bivariate

Expression-based

User-defined values

Proportional fill

Dot-density fill

Pin mapping:

Ranged symbols

Proportional symbols

Ranged lines

Separate data-point files

Summary statistics

Maximum number of thematic variables

## SPATIAL ANALYSIS

Address location

Locate features:

By pointing/by coordinates

Within radius/within region

Distance expressions:

Fixed distance

Variable (expression-based)

Buffer (range of influence)

Distance measurement

Routing

## MAP DISPLAY AND WORKSPACE MANAGEMENT

Zoom:

Fixed zoom/zoom box

To scale/within range of feature

Undo zoom

Pan/rotate

Layer management:

Displays layers individually

Displays layers according to map scale

Creates layers by data operations

Creates layers by polygon intersection

Overlays layers from different files

Customization:

Macros

Programming language

Customizable menus

## DATA FILE HANDLING

Database interface

Spreadsheet interface

Native data file format

Data file import/export formats:

ASCII (comma-delimited)

ASCII (fixed-field)

ASCII (tab-delimited)

.DBF

.DIF

.WK1

SQL interface

Data files per map

Database operations:

Query/sort

Browse/filter

Join/append

Union/intersection

Search within range/Boolean search

Save and recall search sets

Create indexes

Calculate fields

Summary/advanced statistics

## PRESENTATION FEATURES

Point symbols

Point colors

Line styles

Line weights

Line colors  
Fill patterns  
Colors  
Transparent background  
Page layout elements:  
Legend/map scale  
Number of insets  
Move/size/rotate elements  
Freehand annotations  
Users can add symbols/lines  
Drawing tools  
Imports clip art  
Groups and ungroups  
Text annotations  
Justifies text  
Rotates text  
Number of fonts  
Scales fonts to map size/to page size  
Map file export formats:  
CGM  
.DXF  
HPGL  
.PCX

MapInfo for  
Windows  
\$995

Atlas\*GIS

GisPlus  
\$2495 \$2995

|           |       |       |
|-----------|-------|-------|
| y         | y     | y     |
| y         | y     | y     |
| n         | y     | y     |
| n         | y     | y     |
| n         | y     | y     |
| y         | y     | n     |
| y         | y     | y     |
| n         | y     | n     |
| n         | y     | y     |
| y         | y     | y     |
| n         | y     | y     |
| y         | y     | y     |
| y         | n     | n     |
| n         | y     | y     |
| Unlimited | 2     | 14    |
| y         | y     | y     |
| y / y     | y / y | y / y |
| y / y     | y / y | y / y |
| y         | y     | y     |
| n         | y     | y     |
| n         | y     | y     |
| y         | y     | y     |
| n         | n     | y     |
| y / y     | n / y | y / y |
| y / y     | y / y | y / y |
| y         | y     | y     |
| y / n     | y / y | y / n |

|   |   |   |
|---|---|---|
| y | y | y |
| y | y | y |
| y | y | y |
| n | y | y |
| y | y | y |

|   |   |   |
|---|---|---|
| n | y | y |
| n | n | y |
| n | n | y |

|                        |           |         |
|------------------------|-----------|---------|
| MapInfo for<br>Windows | Atlas*GIS | GisPlus |
|------------------------|-----------|---------|

|      |      |             |
|------|------|-------------|
| y    | y    | y           |
| n    | y    | y           |
| .DBF | .DBF | Proprietary |

|                |       |       |
|----------------|-------|-------|
| y / y          | y / y | y / y |
| n / n          | y / y | y / y |
| y / y          | y / y | y / y |
| y / y          | y / y | n / n |
| n / n          | n / n | n / y |
| y / n          | n / n | y / y |
| y              | n     | y     |
| Limited by RAM | 2     | 40    |

|       |       |       |
|-------|-------|-------|
| y / y | y / y | y / y |
| y / y | y / y | y / y |
| y / n | y / y | y / y |
| n / n | y / n | y / y |
| y / y | y / y | y / y |
| y     | y     | y     |
| y     | y     | y     |
| y     | y     | y     |
| y / n | y / n | y / y |

|              |           |     |
|--------------|-----------|-----|
| 30           | 93        | 255 |
| 16.7 million | 60        | 16  |
| 2            | 10        | 1   |
| 8            | Unlimited | 5   |

|                    |           |           |
|--------------------|-----------|-----------|
| 16.7 million       | 60        | 16        |
| 8                  | 250       | 250       |
| 16.7 million       | 560       | 16        |
| y                  | y         | y         |
| y / n              | y / y     | y / y     |
| Unlimited          | 2         | 1         |
| y / y / n          | y / y / n | y / y / n |
| y                  | y         | n         |
| y / y              | y / y     | N/A       |
| y                  | y         | N/A       |
| n                  | n         | N/A       |
| n                  | y         | N/A       |
| y                  | y         | n         |
| n                  | y         | N/A       |
| n                  | y         | N/A       |
| Uses Windows fonts | 7         | None      |
| y / n              | n / y     | N/A       |
| n                  | y         | n         |
| n                  | n         | n         |
| y                  | y         | y         |
| n                  | n         | y         |