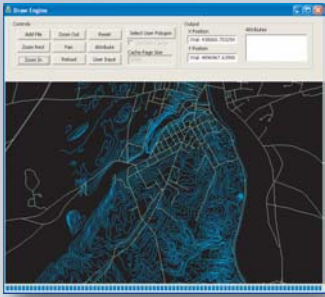


GEOTRANSLATE™ DEVELOPER TOOL

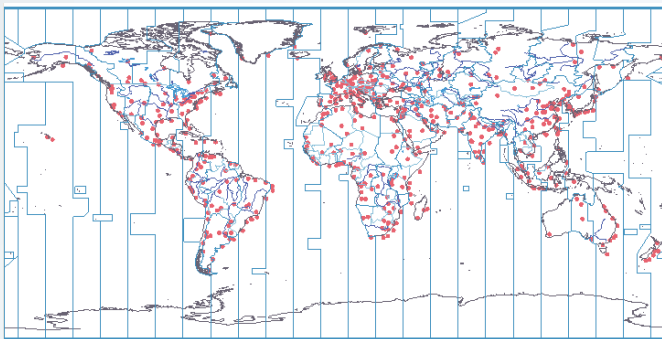
Vector Translation and Feature Manipulation for Developers



EASILY ADD FEATURE MANIPULATION TO YOUR CUSTOM APPLICATION!

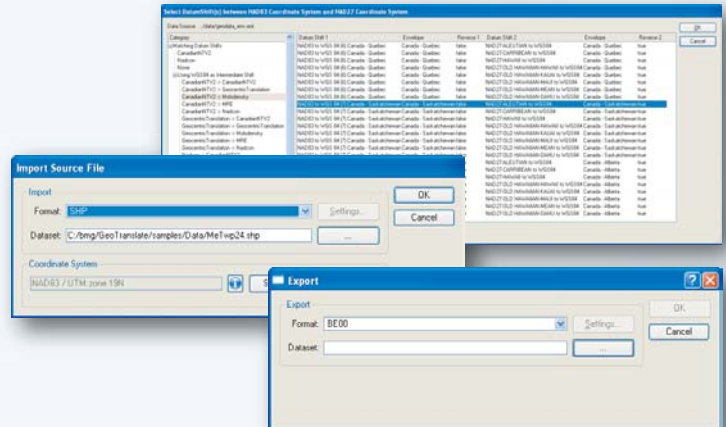
With this tool kit, users can read and write many of today's most popular GIS and CAD vector file formats. Users are also granted direct access to a wide variety of geometry objects, which can be created and manipulated on-the-fly. Along with these geometry objects, users are granted access to the metadata and attributes that are commonly associated with these features.

Give your Applications the ability to Manipulate Features on-the-fly!



TRANSLATE THE FORMATS THAT MATTER!

- Read and Write for Over 20 Formats
- Spatial Database Support
- Geometry Manipulation
- Blue Marble Coordinate Conversion Tools
- Available for Windows or Linux



Stock Dialogs are included to get your application up and running quickly.

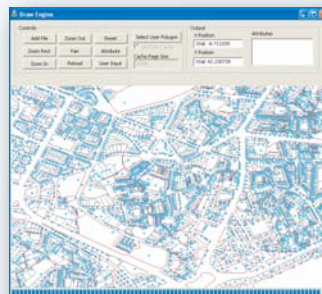
SPATIAL DATABASE SUPPORT

The latest version of GeoTranslate now has support for Oracle Geodatabase primitive geometry types, as well as coordinate system definitions. Support for PostGIS spatial database systems, Esri SDE databases and Esri personal and file geodatabases has been added as well.

NOW INCLUDING:

- New CAD to CAD converter supports block and cell preservation.
- Improved speed and disc caching for large file formats.
- New spatial index class for quicker access to geodetic files.
- Extended Geometry and Attribute processing architecture.
- Updated for GeoCalc 6.5 compatibility. This includes the new Height models for Australia, South Africa, Netherlands, Denmark and France.

THE
COORDINATE
CONVERSION POWER
OF GEOCALC



GEOCALC.XML

- Largest coordinate datasource available
- Direct match or support for EPSG, ESRI, MapInfo and Autodesk definitions

ACCURATE, RELIABLE AND POWERFUL

GeoTranslate leverages the coordinate conversion power of GeoCalc, which is recognized for its reliability, accuracy, and flexibility. It ensures that the transformations performed within GeoTranslate are as precise as possible.

COMPREHENSIVE COORDINATE CONVERSION PARAMETER DATABASE

GeoTranslate features an XML data source with pre-defined linear and angular units, ellipsoids, geodetic datums and coordinate systems. Over 12,000 coordinate system conversions are supported.



BLUE MARBLE GEOGRAPHICS

WHERE GIS DATA CONVERSION SOLUTIONS ARE BORN

397 WATER STREET, SUITE 100, GARDINER, MAINE 04345 USA
800.616.2725 / +1.207.582.6747 / FAX: 207.582.7001
44° 13' 49.50" N, 69° 46' 32" W, WGS84

WWW.BLUEMARBLEGEO.COM

FEATURES

OBJECT ORIENTED DESIGN PROVIDES ACCESS TO:

- Layers
- Features
- Geometry
- Attributes
- Metadata
- Block Definitions
- Coordinate System Definitions

SUPPORT FOR EXTERNAL COORDINATE SYSTEM DEFINITIONS

- Well-Known Text (WKT)
- ESRI PRJ
- MapInfo MAP/TAB
- EPSG Codes

XML DATA SOURCE WITH FIFTEEN OBJECT TYPES

- Angular units
- Linear units
- Prime Meridians
- Ellipsoids
- Horizontal datums
- Cartesian point styles
- Geodetic point styles
- Projected point styles
- Envelopes
- Datum shifts
- Geocentric coordinate systems
- Geodetic coordinate systems
- Fitted coordinate systems
- Projected coordinate systems
- Coordinate transformations

EPSG 7.9 SUPPORT

- Over 5,000 total EPSG objects
- XML data file
- Nearly 3,000 coordinate systems
- Over 700 datum transformations

MULTIPLE PLATFORM SUPPORT

- Windows
- Linux

WHAT'S INSIDE

COORDINATE TRANSFORMATION SUPPORT

- Support for more than 70 types of projections
- Support for more than a dozen classes of datum shifts
- Direct transformer interfaces for quick file coordinate conversion.
- Access to the current EPSG database, version 7.9
- Thousands and thousands of definitions for coordinate systems, datums, ellipsoids, datum shifts, units, and more

READ FORMATS

SUPPORTED READ FORMATS

- Arc Info Interchange (*.e00)
- Arc Info UnGenerate (*.gen)
- ASCII Text (*.txt)
- AutoCAD (*.dwg)
- AutoCAD Export Format (*.dxf)
- Bentley Microstation (*.dgn)
- Blue Marble Layer (*.bml)
- Comma Separated Values (*.csv)
- dBase DBF Format (*.dbf)
- Digital Line Graph (*.dlg)
- ESRI Shapefile (*.shp)
- Excel Spreadsheet (*.xls)
- Geographic Markup Language Simple Features Profile (*.gml)
- GPS waypoint, track, and route XML file format (*.gpx)
- Keyhole Markup Language (*.kml)
- LiDAR file support for version 1.1, 1.2, and 2.0 (*.las)
- MapInfo Interchange Format (*.mif)
- MapInfo TAB File (*.tab)
- Microsoft Access Database (*.mdb)
- S-57 - International Hydrographic Organization (IHO) Vector Interchange Format, also known as S-57 Nautical Charts (*.000)
- SDTS - Spatial Data Transfer Standard
- Tab Separated Values (*.tsv)
- TIGER/Line - U.S. Census Bureau

WRITE FORMATS

SUPPORTED WRITE FORMATS

- Arc Info Interchange (*.e00)
- Arc Info UnGenerate (*.gen)
- AutoCAD (*.dwg)
- AutoCAD Export Format (*.dxf)
- Bentley Microstation (*.dgn)
- Comma Separated Values (*.csv)
- dBase DBF Format (*.dbf)
- ESRI Shapefile (*.shp)
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- MapInfo Interchange Format (*.mif)
- MapInfo TAB File (*.tab)
- Microsoft Access Database (*.mdb)

SPATIAL DATABASES

- Esri SDE Database Connections*
- Esri Personal and File Geodatabases*
- PostGIS Spatial Database
- Oracle Spatial Database

* Requires an Esri product license

GEOMETRY OBJECTS

GEOMETRY OBJECTS INCLUDED

- Aggregate Area
- Aggregate Geometry
- Aggregate Linear
- Aggregate Point
- Area
- Donut
- Ellipse
- Linear
- Path
- Point
- Polygon
- Polyline
- Rectangle
- Rounded Rectangle
- Segment



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