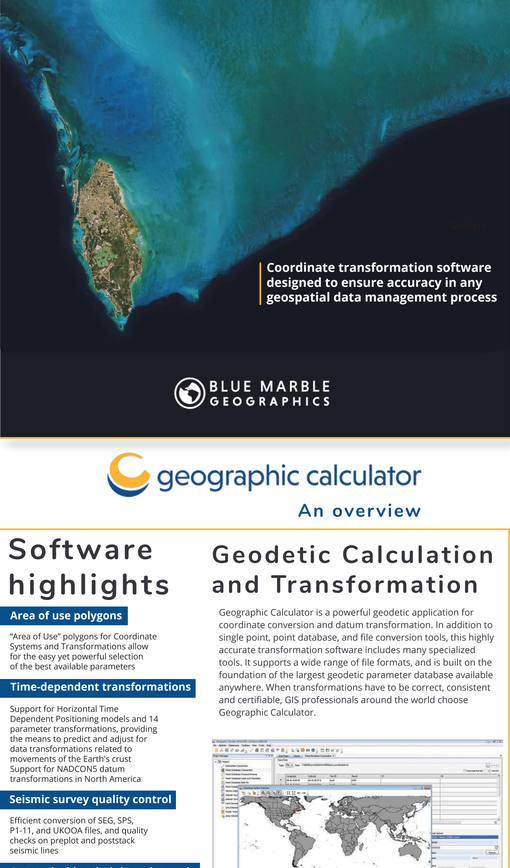
geographic calculator

Highly accurate geospatial positioning



Coordinate transformation software designed to ensure accuracy in any geospatial data management process

BLUE MARBLE GEOGRAPHICS

geographic calculator

An overview

Software highlights

Area of use polygons

"Area of Use" polygons for Coordinate Systems and Transformations allow for the easy yet powerful selection of the best available parameters

Time-dependent transformations

Support for Horizontal Time Dependent Positioning models and 14 parameter transformations, providing the means to predict and adjust for data transformations related to movements of the Earth's crust Support for NADCONS datum transformations in North America

Seismic survey quality control

Efficient conversion of SEG, SPS, P1-11, and UKOOA files, and quality checks on preplot and poststack seismic lines

Customizable administrative tools

Tools to establish standard coordinate system and transformation parameters that can be easily deployed to all users

3D coordinate support

Supports vertical and horizontal transformation, which enables accurate 3D data processing EGM2008, EGM1996, NAVD88, NGVD29, VDatum Tidal Datums, and more

Advanced projection management

Using Global Mapper to view, create or modify geoid models as well as import them into the Geographic Calculator datasource

Geodetic Calculation and Transformation

Geographic Calculator is a powerful geodetic application for coordinate conversion and datum transformation. In addition to single point, point database, and file conversion tools, this highly accurate transformation software includes many specialized tools. It supports a wide range of file formats, and is built on the foundation of the largest geodetic parameter database available anywhere. When transformations have to be correct, consistent and certifiable, GIS professionals around the world choose Geographic Calculator.

Limiting a search for coordinate systems by selecting a geographic area before processing a point database conversion job

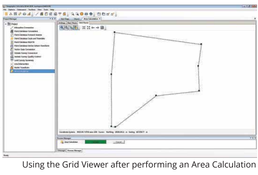
Geographic Calculator's extensive data source includes:

- More than 5,000 pre-defined projected coordinate systems
- More than 1,800 coordinate transformations
- More than 500 horizontal datums
- More than 150 vertical datums (necessary for LiDAR transformations)
- More than 80 various unit definitions
- Full matches to ESRI, MapInfo, Autodesk
- Custom coordinate systems

geocalc sdk

An overview

The GeoCalc SDK toolkit allows developers to embed the sophisticated and precise coordinate transformation technology of Geographic Calculator into custom geospatial software.



Using the Grid Viewer after performing an Area Calculation

Why reinvent the wheel when the SDK supports this:

- Embeding positional accuracy in your current application
- The world's most comprehensive coordinate transformation parameter database
- GIGS Gold Compliant
- Vertical datum support for true height conversion
- Common coordinate system dialogs
- Time-based transformations
- Dominion Land Survey

Other functions included in the GeoCalc SDK:

- Tools for improving data quality management
- DataSource User Interface Options

geocalc geodetic registry

Blue Marble's coordinate geodetic repository

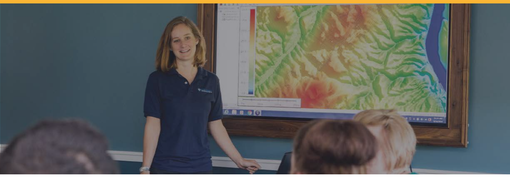
The GeoCalc Geodetic Registry is the online coordinate geodetic repository for all of Blue Marble Geographics' software. Geographic Calculator, the GeoCalc SDK, and Global Mapper have the ability to query the service to update or augment any supported geodetic object.

The online registry is a hosted version of the complete GeoCalc library; accessible anywhere as a resource and tool for surveyors, geodesists, and GIS analysts concerned with accurate and reliable coordinate reference system definitions as well as the most accurate coordinate transformations.

Registry highlights

- A cloud-hosted geodetic library
- Centralized data management
- Acess from anywhere
- Interactive map for quick coordinate reference system searches
- Data export for interoperability

With its intuitive interface, the GeoCalc Geodetic Registry allows for quick and simple searches for coordinate reference system definitions and coordinate transformations



Blue Marble Training Opportunities

CUSTOMIZED SESSIONS

A tailored curriculum focused on the needs of your company or organization

APPLIED GEODESY SESSIONS

Online or onsite classes focusing on the basics of geodesy in the context of Geographic Calculator

SELF-GUIDED SESSIONS

The Getting Started Guide provides data and instructions to learn at your own pace

Custom Software Development

Software developers can improve existing software, or create custom, stand-alone applications with Blue Marble's Software Developer Kits (SDK). The Blue Marble team of professional service engineers are available to assist in creating custom GIS applications for virtually any type of GIS project.

Blue Marble Technical Support

APPLICATION SUPPORT

Submit a Question
bluemarblegeo.com/support/support.php

Email Us
geohelp@bluemarblegeo.com

VIDEOS

Visit Our Website
bluemarblegeo.com/products/webinars.php

Visit Our YouTube Channel
youtube.com/user/BlueMarbleWebinars

OTHER RESOURCES

Kowledge Base
bluemarblegeo.com/knowledgebase/index.php

The Blue Marble Blog
blog.bluemarblegeo.com

BLUE MARBLE GEOGRAPHICS

22 Carriage Lane, Hallowell, ME, 04347 USA
+1.207.622.4622 | 800.616.2725 | info@bluemarblegeo.com
www.bluemarblegeo.com | Follow us