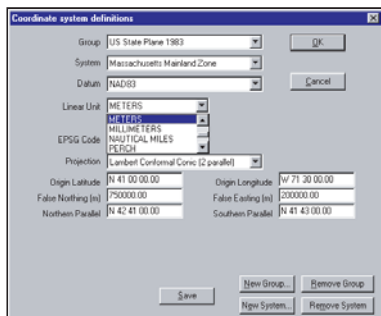


# GeoCalc™ 5.3

Why should you have to reinvent the wheel?



Define custom coordinate systems!

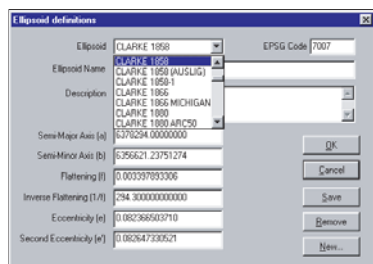
"As the leading provider of software and services for the upstream oil and gas industry, Landmark is always interested in technology that enhances the performance, functionality or availability of our product offerings. Blue Marble's world class GeoCalc solution enhances our conversion capabilities overall, providing an efficient way for Landmark to offer a range of highly accurate coordinate system support in key applications."

John Sherman  
Executive Vice President  
Systems and Marketing  
Landmark Graphics



## Leave your coordinate conversion headaches behind!

GeoCalc is the underlying coordinate conversion engine used in our Geographic Calculator application. It is an easy to use, affordable option for your own application, and saves you the cost of re-inventing, testing and maintaining your own coordinate conversion engine. Once embedded in your application, there are no copy protection hassles for your end user. Distribute your licensed application on an unlimited basis!



Define custom ellipsoids!

### GeoCalc users include...

Agilent Technologies  
AirCom International  
Analytical Surveys  
Axiom Corporation  
Fieldworker  
Fugro  
Kodak Global Imaging  
Landmark Graphics  
Lucent Technologies  
Schlumberger  
Thales Navigation Inc.

## GeoCalc UNIX versions!

GeoCalc is also available as a shared UNIX library for Solaris. We also offer source code licenses for your deployment on other UNIX platforms. Contact us for availability and pricing details.

## Technical Support

Annual subscription covers your development kit all year long!

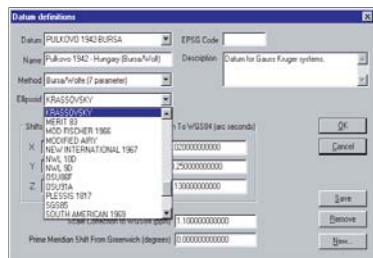
## Order Today!

You can order and download the GeoCalc from our web site at

[www.bluemarblegeo.com](http://www.bluemarblegeo.com)  
You can also order by calling  
800.616.2725

## How Simple is it?

GeoCalc is a collection of function calls organized in a simple, elegant framework. You need to only call a single function to perform the most complex coordinate conversions. The simplest GeoCalc-based application may need to call only three or four GeoCalc functions! Once you've built your app simply redistribute the 352K DLL and your app to your end users.



Define custom datums!

"The extensive datum and projection support we found in GeoCalc saved us weeks of programming when we decided to offer our navigation, dredge guidance, and hydrographic surveying software worldwide."

Casey Carmichael  
Rowe Surveying & Engineering

"GeoCalc has saved us thousands of dollars and hundreds of hours of development, testing, and support. It has proven to be a reliable and comprehensive solution for our application. Highly recommended!"

Jim Emery  
Analytical Surveys

## Flexible Distribution Licensing!

Our business model provides the flexibility that you demand. Developers must complete a simple, two-page License Agreement specifying the deployment of their application to end users. A reasonable annual fee applies in exchange for unlimited distribution of your GeoObjects application, contact us for details!



397 Water Street, Ste. 100 Gardiner, Maine 04345 USA

(800) 616-2725 Fax: (207) 582-7001

Latitude 44° 13' 47.53" N Longitude 69° 46' 29.11" W

[www.bluemarblegeo.com](http://www.bluemarblegeo.com)

## Features

### Define custom coordinate systems

- ◆ Define custom datum parameters
- ◆ Define custom ellipsoid parameters
- ◆ Define custom unit parameters
- ◆ Link an "unknown" coordinate system to a useable pre-defined coordinate system!

### New coordinate systems

- ◆ Military Grid Reference System (MGRS, with WGS72 ellipsoid)
- ◆ Bell Labs V & H (V & H)

### New map projections

- ◆ Belgium variant of Lambert Conformal Conic
- ◆ Swiss Oblique Mercator
- ◆ Conformal Cylindrical Projection of Hungary (EOV)

## What's Inside

### Datum Transformation Methods

- ◆ Molodensky
- ◆ Bursa-Wolfe
- ◆ DMA MRE
- ◆ NADCON, VERTCON
- ◆ HPGN
- ◆ NTV2 (Canadian and Australian methods)

## Parameters

- ◆ Over 165 defined Ellipsoids
- ◆ Over 630 defined Datum Transformations
- ◆ Over 30 defined linear units
- ◆ 7 angular units

## Conversion Data

### Common coordinate system support

- ◆ US State Plane 1927 (both original and exact solutions)
- ◆ US State Plane 1983
- ◆ UTM (Universal Transverse Mercator) North and South zones
- ◆ Gauss-Kruger Modified, 3TM, and 6TM
- ◆ XYZ Cartesian Earth-Centered Earth Fixed (ECEF)

### Grids

- ◆ Argentina
- ◆ Australia
- ◆ Austria
- ◆ Bahrain
- ◆ Belgium
- ◆ Borneo
- ◆ Columbia
- ◆ Cuba
- ◆ Egypt
- ◆ England
- ◆ France
- ◆ Ghana
- ◆ Greece
- ◆ Holland
- ◆ India
- ◆ Iraq
- ◆ Ireland
- ◆ Italy
- ◆ Japan
- ◆ New Brunswick
- ◆ New Zealand
- ◆ Nigeria
- ◆ Peru
- ◆ Phillipines
- ◆ Qatar
- ◆ Quebec
- ◆ Romania
- ◆ Veracruz

## Map Projections

- ◆ Albers Equal-Area Conic
- ◆ Azimuthal Equal Area
- ◆ Azimuthal Equidistant
- ◆ Bonne
- ◆ Cassini
- ◆ Double Stereographic
- ◆ Equal-Area Cylindrical
- ◆ Equidistant Conic
- ◆ Equidistant Cylindrical
- ◆ European Stereographic
- ◆ Gnomonic
- ◆ Hotine Oblique Mercator (Rectified Skew)
- ◆ Hungarian National System (EOV)
- ◆ IMW Polyconic
- ◆ Krovak
- ◆ Lambert Conformal Conic (1 parallel)
- ◆ Lambert Conformal Conic (2 parallel)
- ◆ Laborde
- ◆ Mercator
- ◆ Miller Cylindrical
- ◆ Mollweide
- ◆ Orthographic
- ◆ Polar Azimuthal
- ◆ Equal Area
- ◆ Polar Azimuthal Equidistant
- ◆ Polar Stereographic
- ◆ Polyconic
- ◆ Robinson
- ◆ Sinusoidal
- ◆ Space Oblique Mercator
- ◆ Stereographic
- ◆ Stereographic 70
- ◆ Transverse Mercator (Gauss-Kruger)
- ◆ Two-Point Fit (polynomial projection)
- ◆ Van der Grinten 1



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