



Geodetic Manager

For a world of geodetic calculations

The **Geodetic Manager** is a comprehensive database of ellipsoids, datums and projections together with a geodetic calculator for performing all geodetic calculations

Key Features:

Simple Windows Explorer interface for viewing, editing and creating ellipsoids, datums and projections.

Geodetic Calculator to easily convert coordinates between different geodetic systems.

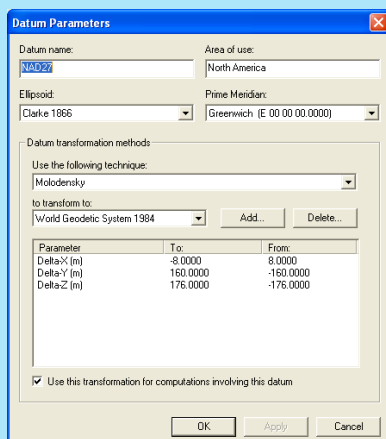
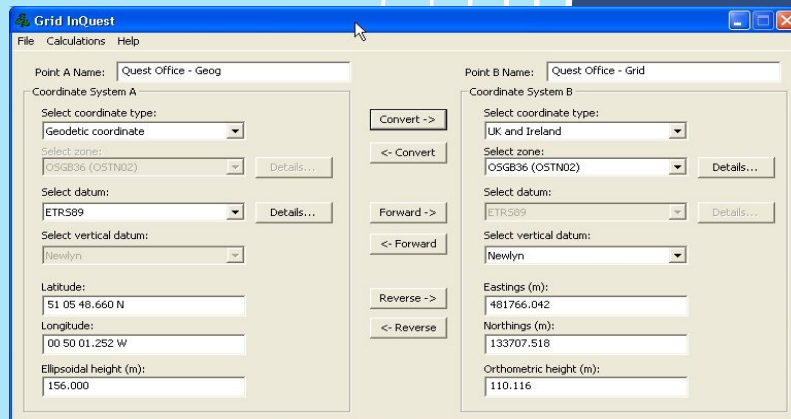
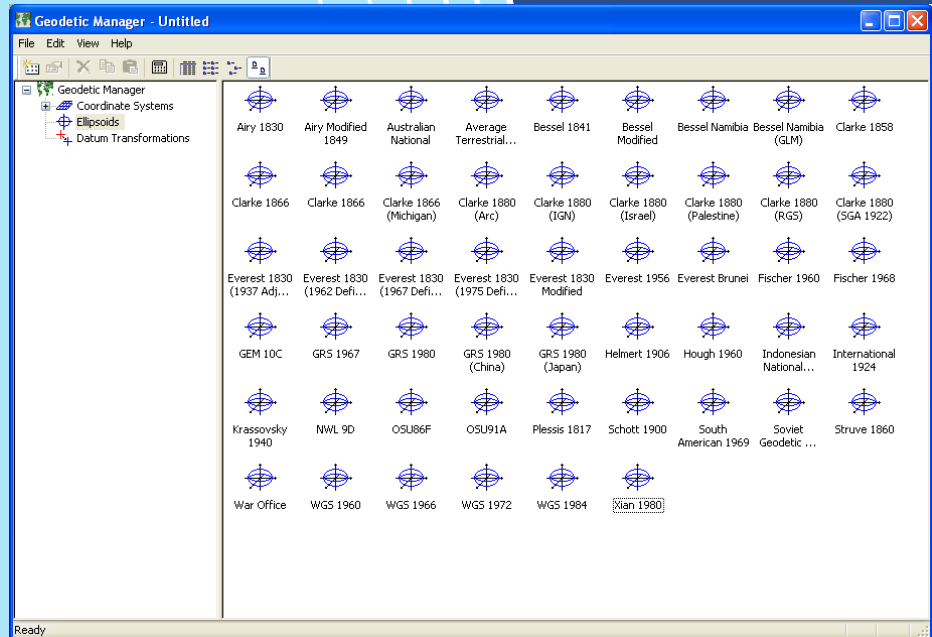
Forward and reverse geodetic computations.

File conversion of points where you define the file format.

Over 40 projections, with 100s of pre-defined ellipsoids, datums and projections

Plug in DLL available

Single or Multiple licences available



Features

Datum Transformation Methods

Molodensky (3 parameter shift)
Bursa Wolfe (7 parameter transformation)
Abridged Molodensky (3 parameter shift)
Longitude rotation
Geographical offsets (Latitude/Longitude shift)
Molodensky-Badekas
NADCON (for North America)
OSTN02 (for the UK)
ED50 to ED87 Polynomial

In Detail

- One click conversion from one coordinate system to another
- Define your own ellipsoids, datum and projections
- Convert files of coordinates
- Create your own text file formats
- Over 30 pre-defined linear units
- Forward geodetic computations using coordinates from a fixed point to an unknown point given the geodetic distance and azimuth
- Compute reverse geodetic computations between two points to output the geodetic distance and azimuth
- 1000s of pre-defined datums and projections

Projections

Alaska Conformal
Albers Equal Area
Azimuthal Equidistant
Bonne
Cassini-Soldner
Eckert IV
Equidistant Cylindrical
General Vertical Near-Side Perspective
Goode's Homolosine
Gnomonic
Hammer Aitoff
Hotine Oblique Mercator (using azimuth)
Hotine Oblique Mercator (using 2 points)
Interrupted Mollweide
Krovak Oblique Conformal Conic
Lambert Azimuthal Equal Area
Lambert Azimuthal Equal Area (sphere)
Lambert Conformal Conic (1 parallel)
Lambert Conformal Conic (2 parallel)
Lambert Conformal Conic (2 parallel for Belgium)
Lambert Conic Near-Conformal
Mercator
Mercator (2 standard parallels)
Miller Cylindrical
Mollweide
New Zealand Map Grid
Oblated Equal Area
Oblique Mercator
Orthographic
Parabolic
Polar Stereographic
Polyconic
Robinson
Transverse Mercator
Space Oblique Mercator
Sinusoidal
Stereographic
Van der Grinten
Wagner IV
Wagner VII

Software Requirements

Operating System Microsoft Windows 2000 / XP / Vista

