

ISO Geodetic Registry

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|---------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <i>Item class</i> | Transformation | |
| <i>Name</i> | WGS 84 (G730) to WGS 84 EGM84 - OHt [2] | |
| <i>Item status</i> | VALID | |
| <i>Identifier</i> | 488 | |
| <i>Information source</i> | <i>Title</i> | The World Geodetic System 1984 Earth Gravitational Model |
| | <i>Author</i> | H.L. White, Defense Mapping Agency Aerospace Center |
| | <i>Publisher</i> | Defense Mapping Agency Aerospace Center |
| | <i>Publication date</i> | 1986-05-02 |
| | <i>Edition date</i> | |
| <i>Information source</i> | <i>Title</i> | Maintenance and Enhancement of the World Geodetic System 1984 |
| | <i>Author</i> | S. Malys, J.A. Slater |
| | <i>Publisher</i> | Institute of Navigation |
| | <i>Publication date</i> | 1994-09 |
| | <i>Edition date</i> | |
| | <i>Series/Journal name</i> | Proceedings of the 7th International Technical Meeting of the Satellite Division of The Institute of Navigation (ION-GPS-1994), Salt Lake City, UT, September 1994 |
| | <i>Page</i> | 17-24 |
| <i>Data source</i> | ISO Geodetic Registry | |
| <i>Remarks</i> | Transformation from WGS 84 (G730) ellipsoidal heights to EGM84 orthometric heights using the EGM84 geoid model defined by spherical harmonic coefficients. | |
| <i>Operation version</i> | 2.0 | |
| <i>Scope</i> | Spatial referencing | |
| <i>Operation accuracy</i> | 1.0 m | |
| <i>Source CRS</i> | WGS 84 (G730) - LatLonEHt | |
| <i>Target CRS</i> | WGS 84 EGM84 - OHt | |
| <i>Operation method</i> | Geographic3D to Gravity Related Height (EGM84-SH) | |

Extent

| | | |
|--------------------------------|-----------------------------|--------|
| <i>Description</i> | World. | |
| <i>Geographic Bounding Box</i> | <i>West-bound longitude</i> | -180.0 |
| | <i>North-bound latitude</i> | 90.0 |
| | <i>East-bound longitude</i> | 180.0 |
| | <i>South-bound latitude</i> | -90.0 |

Operation parameter values

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|--------------------------------------------|------------|
| <i>Spherical harmonic coefficient file</i> | egm180.nor |
|--------------------------------------------|------------|

ISO Geodetic Registry

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|--------------------|-------------------------------------------------------------------------------------------------------|
| <i>Item class</i> | OperationMethod |
| <i>Name</i> | Geographic3D to Gravity Related Height (EGM84-SH) |
| <i>Item status</i> | VALID |
| <i>Identifier</i> | 77 |
| <i>Data source</i> | ISO Geodetic Registry |
| <i>Remarks</i> | Spherical harmonic representaiton of EGM84 geoid using a single spherical harmonic coefficients file. |

Operation parameters

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|--------------------------------------------|
| <i>Spherical harmonic coefficient file</i> |
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