

ISO Geodetic Registry

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| <i>Item class</i> | OperationMethod |
| <i>Name</i> | Coordinate Frame Transformation (geocentric Cartesian domain) |
| <i>Item status</i> | VALID |
| <i>Identifier</i> | 74 |
| <i>Alias</i> | Coordinate Frame Transformation |
| <i>Alias</i> | 7-Parameter Transformation |
| <i>Alias</i> | Bursa-Wolf Transformation |
| <i>Data source</i> | ISO Geodetic Registry |
| <i>Remarks</i> | This method is a specific case of the Molodensky-Badekas (CF) method in which the evaluation point is at the geocentre with coordinate values of zero. Note the analogy with the Position Vector transformation method but beware of the differences! |
| <i>Formula</i> | Geomatics Guidance Note No 7, part 2: Coordinate Conversions and Transformations including Formulas |

Operation parameters

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|---------------------------|
| <i>X-axis translation</i> |
| <i>Y-axis translation</i> |
| <i>Z-axis translation</i> |
| <i>X-axis rotation</i> |
| <i>Y-axis rotation</i> |
| <i>Z-axis rotation</i> |
| <i>Scale difference</i> |