ISO Geodetic Registry

Item class	OperationMethod
Name	**Coordinate Frame Transformation (geographic 2D domain)**
Item status	VALID
Identifier	79
Alias	7-Parameter Transformation
Alias	Geocentric Transformation
Alias	Bursa-Wolf Transformation
Alias	Coordinate Transformation
Alias	Geographic Transformation
Alias	Helmert Transformation
Data source	ISO Geodetic Registry
Remarks	This method is similar to the Coordinate Frame Transformation in the geographic 3D domain but in the geographic 2D domain. This method uses counter-clockwise rotations and is similar to the Position Vector Transformation that uses clockwise rotations. The Position Vector (clockwise) convention is used by the International Earth Rotation and Reference Systems Service (IERS) and International GNSS Service (IGS). See the geocentric Cartesian and geographic 3D variants of this method for transformations of other CRS types.

Operation parameters

X-axis translation
Y-axis translation
Z-axis translation
X-axis rotation
Y-axis rotation
Z-axis rotation
Scale difference