



Geo-PostProcess

Post Processing Solution for GPS and Inertial Navigation

Geo-PostProcess is a fully automated GPS and GPS/IMU post-processing software solution designed for enhancing static and dynamic data. The software offers a full inertial navigation post-processing capability. The software is compatible with RINEX files from any type of geodetic receiver as well as binary files from recorded by Geodetics' inertial navigation hardware including Geo-LDV. The software can also accommodate moving reference receivers and provides numerous tools and extensive statistics generation.

Geo-PostProcess Capabilities

GPS Processing

- + Geodetics Precise Instantaneous Network Positioning
- + Optional multi-epoch Kalman Filter RTK
- + Network RTK
- + Long-baseline processing
- + Precise satellite clock and orbit information
- + Native support for many GPS sensors
- + GPS outlier identification and correction

GPS/IMU Processing

- + Advanced Extended Kalman Filter with up-to 54 states
- + External sensor data integration (i.e. barometer, compass ...)
- + Wander Azimuth frame based
- + Enhanced double difference carrier phase ambiguity fixing
- + Tight and loose coupling
- + Precise ephemeris
- + Forward and backward fixed interval smoother
- + Compatible with Geo-LDV inertial navigation system
- + Native support for many IMU's
- + Native support for many GPS sensors

