

Automatic Image to Map Registration ProPack

AUTOMATIC IMAGE TO MAP REGISTRATION PROPACK

Extend the functionality of the PCI ProSDK through the Automatic Image to Map Registration ProPack.

The Satellite Orbital Models ProPack support a wide range of optical, SAR, and low-resolution satellite sensors:

Overview

Image to Map Registration uses a fast Fourier transform to match detected edges in high-resolution rasters to vector datasets. Polygon matching is most useful for waterbodies, while line matching is suited to road networks.

And GDB supported vector format can be used as a reference layer, which covers the majority of commercial vector formats, including shp and e00.

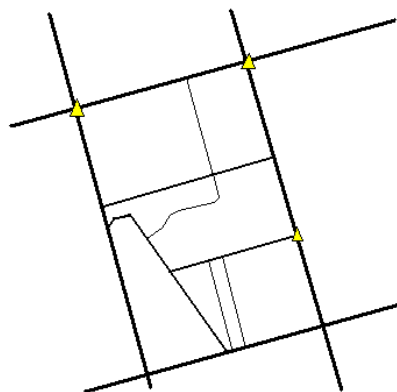


Raster Image showing matched control points.

Algorithms Included

The Automatic Image to Map Registration ProPack includes the following PPFs:

- FFTMPOLY – Extracts ground control points (GCPs) using image to polygon matching. This function is designed to work with high-resolution data.
- FFTMVEC – Extracts GCPs with image to vector line matching. This function is designed to work with high-resolution data.



Input vector road network.

For more information, contact

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