## Subject: Re: Warping surfaces to match control points Posted by Dick Jackson on Thu, 05 Jul 2001 15:35:19 GMT

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"Brad Nelson" <br/>
- strad.nelson@nrc.ca> wrote in message news:4e53fd15.0107050552.1442c0ea@posting.google.com...

- > I purchased a magnetic field grid which was generated from poor
- > navigation data. When we flew through the area again and measured the
- > magnetic field, many of the anomalies were displaced by km. Does
- > anyone have an IDL procedure for warping an existing image (my grid
- > data) to a set of control points (my flight measurements). All of the
- > warping programs that I have seen rely on two images and a few "this
- > pixel should be over here" control points. Nowhere have I found an
- > algorithm that takes many points and matches features. Any
- > suggestions?

I haven't used it before, but from the online help, I think WARP\_TRI may be just what you're looking for.

Cheers,

--

>

-Dick

Dick Jackson / dick@d-jackson.com

D-Jackson Software Consulting / http://www.d-jackson.com

Calgary, Alberta, Canada

Subject: Re: Warping surfaces to match control points Posted by Dick Jackson on Thu, 05 Jul 2001 17:57:17 GMT View Forum Message <> Reply to Message

"Dick Jackson" <dick@d-jackson.com> wrote in message news:XO%07.9489\$6N.15397@shaw-ty2...

- > "Brad Nelson" <brad.nelson@nrc.ca> wrote in message
- > news:4e53fd15.0107050552.1442c0ea@posting.google.com...
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- > just what you're looking for.

Forgive me for following up my own message, but I saw that I misread Brad's question and was in touch with him directly. We concluded that it's really a sort of registration problem he has, with a lot more flexibility in the transform model than usually seen in mis-registration. Anyone with a better idea than turning it into a big optimization problem?

Cheers,

-Dick

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