Subject: Re: Warping surfaces to match control points
Posted by Dick Jackson on Thu, 05 Jul 2001 17:57:17 GMT
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"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...
>> 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.

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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