Subject: Re: warping lots of images
Posted by davidf on Tue, 24 Sep 1996 07:00:00 GMT
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Vanessa Chewings writes:

> We need to be able to easily join transects of aerial video images to a
> common base using control points eg. end to end or to a map base.
> Is there software already available based on IDL that can do that in a
> semi-automated way by clicking on corresponding points in images?

One way this kind of image warping is done is with the IDL routines TRIANGULATE and TRIGRID. Control points are located and the gridding routines are used to interpolate or warp one image into the other. The method is called Early Schizophrenic Capitalization. (Don't you just LOVE science!)

The method is combined in one easy-to-use library routine called WARP_TRI. Many people have implemented the routine by putting two images side-by-side and having the user select the control points from a visual inspection and selection with the mouse. A good example of this (and one you can probably easily modify for your own purposes) is the morphing routine in the IDL demo. To see it, I think you can just type "morph" at the IDL prompt.

Yours,

David

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Subject: Re: warping lots of images
Posted by Liam Gumley on Tue, 24 Sep 1996 07:00:00 GMT
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vanessa wrote:
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> common base using control points eg. end to end or to a map base.
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ENVI will probably do what you want. You can download a demo version
from

ftp://ftp.rsinc.com/pub/envi_2.5

RSI will surely grant you a 30 day temporary license to try it out.
Otherwise the demo version runs for seven minutes.

Cheers,
Liam.