Subject: Registration: still looking (dis-similar images, local variation)
Posted by grunes on Tue, 18 Mar 1997 08:00:00 GMT
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I am still looking for software or algorithms to do a good job of
image registration (warping one of the images so equivalent features
overlay each other) for those cases where the two images are not
all that similar (different sensors or from much different points
of view), and/or where there is a LOT of elevation-induced small
scale local variation, due to different projection-to-ground or
layover geometries.

Nice, rapid user interfaces (e.g., grab a point with a mouse
and drag it to the desired position on the other image,
while watching the two registered images blink back-and-forth
between each other) would surely help. The ability to apply
smooth warping splines to many small areas is a must.

Any ideas?

This has surely got to be one of the oldest problems in remote
sensing, and good solutions MUST exist by now. I promise to
post useful responses to the news groups.
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Mitchell R Grunes, grunes@imsy1.nrl.navy.mil. Opinions are mine alone.

Subject: Re: Registration: still looking (dis-similar images, local variation)
Posted by davidf on Tue, 18 Mar 1997 08:00:00 GMT
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Mitchell Grunes is getting desperate when he writes:

> I am still looking for software or algorithms to do a good job of
> image registration.

> This has surely got to be one of the oldest problems in remote
> sensing, and good solutions MUST exist by now. I promise to
> post useful responses to the news groups.

Perhaps you should offer a monetary reward. :-)

Cheers!

David

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