
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.

Mitchell R Grunes, grunes@imsy1.nrl.navy.mil. Opinions are mine alone.
