Subject: correlation of images
Posted by jsoamag on Wed, 02 Aug 2006 00:50:26 GMT
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hi all,
I am new to IDL and this site as well,
I tried to correlate set of images or two images, but I could not, I
tried what Phil Plait had suggested in an old message
(y1 = total(image1,1) & x1 = total(image1,2))
but I could not manage to define images.
please help me as soon as possible.
Ali

Subject: Re: correlation of images
Posted by vlk.astro on Wed, 02 Aug 2006 16:57:32 GMT
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jsoamag@hotmail.com wrote:
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> Ali

It's not clear what you mean by "correlate set of images". When you apply total() to an image, you are reducing the dimensions, so if you started out with a 2-D array, you will end up with a 1-D array (or a scalar).

I suspect that you are trying to find the shift in x and y that need to be applied to image1 to align it with image2. In that case, you are on the right track. You also need
y2=total(image2,1) & x2=total(image2,2)
and then you will have to find the lag between x1 and x2 to get the necessary shift along x, and between y1 and y2 to get the shift along y. You can use some form of chisq, or c_correlate to find the "best" lag.

Vinay