Subject: Re: rotation matching of 2D images
Posted by Craig Markwardt on Mon, 31 Jul 2006 15:47:27 GMT
View Forum Message <> Reply to Message

"phil" <philippe_kobel@yahoo.es> writes:

> Hello!
>
> I have 2 images of same sizes, but different orientations.
> One of these images is my 'reference' image, and the other one is the
> 'target' image, that I would like to rotate, so that the orientation of
> its features match the orientation of the reference image.
>
> I would then need an algorithm performing some kind of
> cross-correlation and returning the adequate rotation angle(I could
> then use the idl function ROT afterwards).
>
> Does somebody have a clue of such a procedure ?

Wayne has some good suggestions. I was also impressed by this paper:

  http://www.nmt.edu/~hjxie/Auto.pdf

which has sample IDL code to do image reconstruction by FFT, including
rotation, scale and shift.

Craig

--
 --- -------------
Craig B. Markwardt, Ph.D.   EMAIL: craigmnet@REMOVEcow.physics.wisc.edu
Astrophysics, IDL, Finance, Derivatives | Remove "net" for better response
 --- -------------