Subject: Re: correlation of single pixels
Posted by Brian Daniel on Fri, 09 Nov 2012 12:35:10 GMT
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This sounds like an Optical Flow problem. Do a google scholar search. I know there are a bunch of freeware matlab code packages on the web. I haven't seen OF packages in IDL. =(

-Brian

On Friday, November 9, 2012 2:53:26 AM UTC-5, haik...@gmail.com wrote:
> Thanks Klemen,
>
>
>
> but somehow it didn't really help. I figured I have to use a template consisting of my pixel and the neighboring pixelsto find the offset. But something's wrong.
>
>
>
> I tried:
>
> CONV= where(max(CONCOVAR(image1, image2, /Correl)))
>
> where concovar is a function returning the correlationmatrix of the images, but somehow all my offsets are 0. That can't be (I checked on the images and there must be an offset around 1 or 2 pixels).
>
>
>
> On the other hand I tried using correl_optimize (I found it on the internet), but those results are even weirder. My template is an array of 5x3 elements and the other image is an array of 11x3 elements. correl_optimize returns a y-offset between -2,5 and 2,5 pixels. But how can the y-offset possibly be in a range of 5 pixels when both images only consist of three pixels in y direction? Same with x direction.
>
>
>
> I don't have a clue as to what I do wrong. Has someone an explanation for this?
>
>
>
> cheers,
>
> Max