
Subject: Re: IDL calculating elements in arrays plus there offsets

Posted by [Will](#) on Tue, 09 Mar 2010 14:19:31 GMT

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On 8 Mar, 16:52, jean

<jghasb...@DELETETHIS.environmentalmodelers.ANDTHIS.com> wrote:

>> Sorry for impreciseness. I don't seem to be on the ball at all today.
>> Yeah that makes sense, and to answer your questions it is multiple
>> images I am loading into two seperate float arrays thats 122 images
>> for each array, so a grand total of 244 images are being loaded. The
>> idea being to compare the mass amount of images with each other and
>> moving the array around both in the x and y direction until the
>> closest match is found.

>

>> I hope that clears it up for you, as I say I am not really on the ball
>> today.

>

>> Thanks

>> Will

>

> Hi Will,

>

> ok, I get a better idea... do you want to move all your images at the
> same time and do the comparison, or one by one? (i.e., do you want to
> have a shift of let's say 1;5 for the 1st image, and 85,20 for the 2nd
> image, or do you want to move all your images by 2;5?)

>

> Anyways, "shift" is your friend here. Be careful on the edge of the
> images... you might want to remove the edges, as values are wrapped around.

>

> Now, depending on the content of your images, you can do things
> differently... like identifying a region of interest (function region),
> then identify the point of gravity and shift your images accordingly...
> but again, it all depends on the content of the images!

>

> Jean

Hi Jean

I am just looking to shift all of the images on the first array and keep all of the images on the second array the same. (Second array does not shift at all).

I thought along those lines too but i'm not sure if i'm getting my head around "SHIFT" properly. I have the program shifting the the images as described but I get the sneaking impression it is doing the wrong calculation or more likely the calculation isn't changing much. Anyway to clarify, I would be correct in assuming that the images

loaded into the 1st array are sequential, they go from one through to 122 and that when I tell the array to shift by say 1, all of the images move to the right by one image? or by one element of the images array and not the array we have just created. If I am right about my thinking and we are both agreed on "shift" then the program is doing what it is meant to and outputting the correct answers which means when I make a graph of the output I can tell where the best fit for the images is and know the offset. I think :S.

Thank you for our help

Will
