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Subject: Mosaic

Posted by [bujji](#) on Sun, 19 Nov 2006 06:23:07 GMT

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Hello All,

I am using IDL6.3 on windows. I am having some raw data sets. using ENVI routines I had georeferenced the data. Now I wud like to Mosaic the data.

How to Mosaic the data automatically using ENVI and IDL routines(the data is georeferenced).

Please suggest me a suitable way.

Regards,  
Prahlaad V

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Subject: Re: Mosaic

Posted by [Jean H.](#) on Fri, 24 Nov 2006 17:53:50 GMT

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what about something like:  $\text{round}((X \text{ origine coord of input } n - X \text{ origine coord of output}) / \text{resolution of the output})$

Jean

bujji wrote:

> Thanks Mr David,

>

> I cud resolve the problem for two images. If there are 'n' number of  
> images then tell me generic way to define X0,Y0,POS,DIMS.

>

> Regards,

> Prahlaad

>

> David Streutker wrote:

>

>> X0 and Y0 are vectors which contain the starting pixels for each of  
>> your input images, with respect to the output mosaic. For example, if  
>> you are mosaicking four 100 x 100 images into one 200 x 200 image,  
>> then:

>>

>> X0 = [0, 0, 100, 100]

>> Y0 = [0, 100, 0, 100]

>>

>> (I can't remember if these are referenced from the upper left or lower  
>> left corner.)

```
>>
>> POS determines which bands of the input files to include, and in what
>> order. If there are two bands in the four files listed above, use
>> something like this:
>>
>> POS = rebin(lindgen(2), 2, 4)
>>
>> print, POS
>>      0      1
>>      0      1
>>      0      1
>>      0      1
>>
>> Hope that helps,
>> David
>
>
```

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Subject: Re: mosaic  
Posted by [Russell Ryan](#) on Mon, 20 Aug 2012 17:57:10 GMT  
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On Friday, August 17, 2012 8:00:42 PM UTC-4, [elliott...@gmail.com](#) wrote:

- > Any good programs to mosaic astronomy images with in IDL, windows?
- >
- >
- >
- > Trying to use Perrin's library, but getting syntax errors all over the place in his code.

Do you have trustworthy astrometry in the fits headers? If so, then you might be able to kludge something up with `hastrom.pro` in the IDL astro library?

-Russell

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