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Subject: Re: How to subset many images in batch mode?

Posted by [David Fanning](#) on Tue, 23 Jan 2007 14:34:57 GMT

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kavin writes:

- > I want to subset many images with one smaller image in batch mode, but I
- > can not find the right command to fulfill it.
- > waiting for the answers.....

Say what!? I think I know why the answers are elusive. :-)

Cheers,

David

--

David Fanning, Ph.D.

Fanning Software Consulting, Inc.

Coyote's Guide to IDL Programming: <http://www.dfanning.com/>

Sepore ma de ni thui. ("Perhaps thou speakest truth.")

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Subject: Re: How to subset many images in batch mode?

Posted by [James Kuyper](#) on Tue, 23 Jan 2007 17:24:45 GMT

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kavin wrote:

- > Hi, everyone!
- >
- > I want to subset many images with one smaller image in batch mode, but I
- > can not find the right command to fulfill it.
- > waiting for the answers.....

What do you mean by "subset [an] image with [a] smaller image"? I know what subsetting means, and the result creates a smaller image, but I don't understand where the word "with" comes in.

REBIN is usable for subsetting if you're subsetting by an integral factor on each dimension. CONGRID is the routine you need if it isn't an integral factor.

I don't know of any special problems with doing this in batch mode. What have you attempted, and how does it fail?

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Subject: Re: How to subset many images in batch mode?

Posted by [Jean H.](#) on Tue, 23 Jan 2007 17:36:33 GMT

kavin wrote:

> Hi,everyone!  
>  
> I want to subset many images with one smaller image in batch mode,but I  
> can not find the right command to fulfill it.  
> waiting for the answers.....  
>

So you mean you have one small image that you want to use as a mask?

1) get the corners coordinates of your "small image"  
2) convert them to the pixel coordinate of your "big image" (in ENVI I believe)  
3) Find the cells that are within this area, using POLYFILL  
4) subset your image using the indices from #3    newImage = bigImage[indices]  
5) if your "big images" have the same characteristics, use the indices you found in #3 for all of them. If not, go to #2

Jean

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Subject: Re: How to subset many images in batch mode?

Posted by [kavin](#) on Wed, 24 Jan 2007 08:35:44 GMT

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yeah,I want to use a smaller image as mask to subset many big images automatically.

It's a heave work.

I want to know that does there exist any ENVI routine to accomplish my task automated?

<jghas...@DELTHIS.ucalgary.ANDTHIS.ca> wrote:

> kavin wrote:  
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>  
> Jean

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Subject: Re: How to subset many images in batch mode?

Posted by [Jean H.](#) on Wed, 24 Jan 2007 17:57:47 GMT

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kavin wrote:

> yeah,I want to use a smaller image as mask to subset many big images  
> automatically.  
> It's a heave work.  
> I want to know that does there exist any ENVI routine to accomplish my  
> task automated?

I don't think there is 1 function for this... so you will have to  
implement the 4 steps described below!

Jean

>

> <jghas...@DELTHIS.ucalgary.ANDTHIS.ca> wrote:

>

>> kavin wrote:

>>

>>> Hi,everyone!

>>

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>> Jean

>

>

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Subject: Re: How to subset many images in batch mode?

Posted by [kavin](#) on Thu, 25 Jan 2007 06:29:09 GMT

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