
Subject: Problem in band operations.

Posted by [SUNIL CHOUDHURY](#) on Mon, 30 Jun 2014 10:27:28 GMT

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Hi,i am using envi 4.8 .

I have selected some image file using ENVI_SELECT command.

I want to perform some mathematical operation on the bands of the image file like-
b1+b2-20

How to get bands b1 and b2.

Subject: Re: Problem in band operations.

Posted by [skymaxwell@gmail.com](#) on Tue, 01 Jul 2014 19:02:16 GMT

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Good day!

Here is the code,which allow to solve your task

```
ENVI_SELECT,FID=image_fid,POS=position_bands, $
  DIMS=image_dims,TITLE='Pick file'
IF (image_fid EQ -1) THEN RETURN
ENVI_FILE_QUERY,image_fid,NS=number_samples,NL=number_rows,N B=number_bands, $
  INTERLEAVE=data_format,WL=wavelengths
band1=ENVI_GET_DATA(FID=image_fid,DIMS=image_dims, POS=position_bands[0])
band2=ENVI_GET_DATA(FID=image_fid,DIMS=image_dims, POS=position_bands[1])
temp=band1+band2-20
ENVI_ENTER_DATA,temp,BNAMES='Calculated value'
```

regards

> Hi,i am using envi 4.8 .

>

> I have selected some image file using ENVI_SELECT command.

>

> I want to perform some mathematical operation on the bands of the image file like-

>

> b1+b2-20

>

> How to get bands b1 and b2.

Subject: Re: Problem in band operations.

Posted by [SUNIL CHOUDHURY](#) on Wed, 02 Jul 2014 11:04:16 GMT

On Wednesday, July 2, 2014 12:32:16 AM UTC+5:30, skymaxwell wrote:

```
> Good day!
>
> Here is the code,which allow to solve your task
>
>
>
>
> ENVI_SELECT,FID=image_fid,POS=position_bands, $
>   DIMS=image_dims,TITLE='Pick file'
>   IF (image_fid EQ -1) THEN RETURN
>   ENVI_FILE_QUERY,image_fid,NS=number_samples,NL=number_rows,N B=number_bands,
> $
>   INTERLEAVE=data_format,WL=wavelengths
>   band1=ENVI_GET_DATA(FID=image_fid,DIMS=image_dims, POS=position_bands[0])
>   band2=ENVI_GET_DATA(FID=image_fid,DIMS=image_dims, POS=position_bands[1])
>   temp=band1+band2-20
>   ENVI_ENTER_DATA,temp,BNAMES='Calculated value'
>
>
>
> regards
>
>
>
>
>
>> Hi,i am using envi 4.8 .
>
>>
>
>> I have selected some image file using ENVI_SELECT command.
>
>>
>
```

>> I want to perform some mathematical operation on the bands of the image file like-
>
>>
>
>> b1+b2-20
>
>>
>
>> How to get bands b1 and b2.

Thanks for your reply, it was helpful
but still i have one problem ,
in exp=band1+band2-20 ,only the first two band are selected I want to select the
band from the available band list
waiting for your reply

regards

Subject: Re: Problem in band operations.
Posted by skymaxwell@gmail.com on Sat, 05 Jul 2014 05:18:24 GMT
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look at ENVI_GET_DATA routine and look there to POS keyword.

Also may be using of Band Math will be easy for your task ?

regards

Subject: Re: Problem in band operations.
Posted by [SUNIL CHOUDHURY](#) on Mon, 07 Jul 2014 05:53:24 GMT
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On Saturday, July 5, 2014 10:48:24 AM UTC+5:30, skymaxwell wrote:

> look at ENVI_GET_DATA routine and look there to POS keyword.
>
>
>
> Also may be using of Band Math will be easy for your task ?
>
>
>
>
>

> regards

THANKS skymaxwell your guidance was helpful

regards

sunil
