
Subject: Re: A problem with envi_save_rois
Posted by [Jean H.](#) on Fri, 01 May 2009 12:31:44 GMT
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frasca wrote:

> Hi,
>
> Please could some one tell me why the following program does not
> work?

try adding "envi" at the top of your procedure... it will give you
access to the Envi's functions
Jean

```
>  
> pro veamos, event  
> ;  
> ; Choose the bhtmref.img file  
> ;  
> ENVI_SELECT, fid=fid  
> ;  
> ; Get the dimensions for this  
> ; file and create an ROI  
> ;  
> ENVI_FILE_QUERY, fid, dims=dims  
> roi_id = ENVI_CREATE_ROI(ns=ns, nl=nl, $  
> color=4, name='Square')  
> ;  
> ; Define the square and add  
> ; the polygon object to the ROI  
> ;  
> xpts = [100, 200, 200, 100, 100]  
> ypts = [100, 100, 200, 200, 100]  
> ENVI_DEFINE_ROI, roi_id, /polygon, $  
> xpts=xpts, ypts=ypts  
>  
> ENVI_SAVE_ROIS, 'Square.roi', roi_id  
>  
> end  
>  
> When executed it says:  
>  
> Variable is undefined ENVI_ROIS(ENVI_ROI_COMMON) The result may be  
> invalid  
>  
> It looks like I follow the rules in the reference guide, actually  
> except for the envi_save_roi is a copy and paste of the  
> envi_create_roi (page 191)
```

>
> Thanks in advance,
> Jose

Subject: Re: A problem with envi_save_rois
Posted by [josea.malpica](#) on Fri, 01 May 2009 13:47:43 GMT
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> try adding "envi" at the top of your procedure... it will give you
> access to the Envi's functions
> Jean

I just did it; I suppose this is what you mean:

```
pro veamos, event
;
; Choose the bhtmref.img file
;
ENVI
ENVI_SELECT, fid=fid
;
; Get the dimensions for this
; file and create an ROI
;
ENVI_FILE_QUERY, fid, dims=dims
roi_id = ENVI_CREATE_ROI(ns=ns, nl=nl, $
color=4, name='Square')
;
; Define the square and add
; the polygon object to the ROI
;
xpts = [100, 200, 200, 100, 100]
ypts = [100, 100, 200, 200, 100]
ENVI_DEFINE_ROI, roi_id, /polygon, $
xpts=xpts, ypts=ypts
```

```
ENVI_SAVE_ROIS, 'Square.roi', roi_id
```

```
end
```

but it still keeps giving the same error.

Thanks anyway, for your response.

Jose

Subject: Re: A problem with envi_save_rois
Posted by [Jean H.](#) on Fri, 01 May 2009 14:31:38 GMT
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```
> ENVI_SELECT, fid=fid
> ;
> ; Get the dimensions for this
> ; file and create an ROI
> ;
> ENVI_FILE_QUERY, fid, dims=dims
> roi_id = ENVI_CREATE_ROI(ns=ns, nl=nl, $
> color=4, name='Square')
```

Ok, next try... you are using ns and nl, but they are not defined anywhere...

Jean

Subject: Re: A problem with envi_save_rois
Posted by [josea.malpica](#) on Fri, 01 May 2009 18:52:26 GMT
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```
> Ok, next try... you are using ns and nl, but they are not defined
> anywhere...
>
> Jean
```

I only change in the code:
ENVI_FILE_QUERY, fid, dims=dims
ENVI_FILE_QUERY, fid, dims=dims, ns=ns, nl=nl
and the procedure works perfectly.
There is a typo in the reference guide page 191
Thank you very much for your help Jean

Jose
