
Subject: Re: divide image envi-idl

Posted by [jeanh](#) on Tue, 18 May 2010 16:15:40 GMT

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Hi tonino_nestor

> I try to write a batch to divide my image but apparently, the values
> of the loop are wrong... could someone explain me what is wrong ?

what error do you get?

```
>  envi_open_file, image, r_fid=fidimage, /NO_REALIZE
>
>  if (fidimage eq -1) then begin
>    print, 'error nestor'
>  endif
```

at times, the r_fid can be an array... it works better to test if
(fidimage[0] eq -1)

```
>  result = dblarr(NSimage/5, NLimage/2, NBimage)
```

result is of type double

```
>  for i = 0, (NSimage-NSimage/5), NSimage/5 do begin
>    for j = 0, (NLimage-NLimage/2), NLimage/2 do begin
>
>      result = image[i:i+((NSimage/5)-1),j:j+((NLimage/2)-1),
> 0:NBimage-1]
```

result is of the type of image (float? double? int?)

```
>  envi_write_envi_file, result, data_type=4
>  outname = STRCOMPRESS('C:\Documents and Settings\Administrateur
> \Mesdocume'+string(i/(NSimage/5))+string(j/(NLimage/2)),/RE MOVE_ALL)
>  openw, lun, outname, /Get_lun
>  close, lun
>  free_lun, lun
```

here is your problem...

1) the output is of type float. So, if image is a double, your problem
is here!, change the data_type.

2) you need to specify more argument than that to envi_write_envi_file,
including the outname (if you don't want to have the output only in
memory), ns, nl, nb... see the help file.

3) you open and close the file... this is useless.

4) don't use STRCOMPRESS this way. The output would be, for the

begining: C:\DocumentsandSettings\ which is, I believe, not the
directory you are looking for. Instead, use strtrim ==>
+string(i/(NSimage/5)) becomes +strtrim(i/(NSimage/5),2)

Jean

```
>   endfor  
>   endfor  
>  
> end
```
