
Subject: Re: MIP from BMP Images

Posted by [M R](#) on Thu, 07 Jul 2011 15:15:26 GMT

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On Jul 6, 6:18 pm, Paulo Penteado <pp.pente...@gmail.com> wrote:

> On Jul 6, 5:40 pm, M R <manisha....@gmail.com> wrote:

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>> On Jul 6, 2:22 pm, David Fanning <n...@dfanning.com> wrote:

>

>>> M R writes:

>>>> Thank you for the feedback. I have tried the following. The errors are

>>>> pasted below.

>

>>>> arm=bytarr(2216,1254,255,/nozero)

>>>> for i=0,254 do begin

>>>> file=file_search('filepath.bmp')

>>>> image=read_image(file[i])

>>>> arm=image[i]

>>>> end

>>>> TV,MAX(arm,dimension=3)

>>>> end

>

>>>> Errors

>>>> % Attempt to subscript FILE with I is out of range.

>

>>>> Why does it say file[i] is out of range?Should I declare file as

>>>> another array to store the images?

>

>>> You might want to count how many files you actually

>>> found with your File_Search statement. I'm going to

>>> guess no more than 1, and probably zero. You can use

>>> a COUNT keyword to return the file count to you.

>

>>> You probably want something like this:

>

>>> files = file_search('*.bmp', COUNT=count)

>>> for j=0,count-1 do

>

>>> When you put an image into your arm array, you will

>>> want something like this:

```

>
>>> arm[:,*,j] = image
>
>>> But, believe me when I tell you, you are going to want
>>> a MUCH smaller array! ;-)
>
>>> Cheers,
>
>>> david
>
>>> --
>>> David Fanning, Ph.D.
>>> Fanning Software Consulting, Inc.
>>> Coyote's Guide to IDL Programming: http://www.dfanning.com/
>>> Sepore ma de ni thue. ("Perhaps thos speakest truth.")
>
>> For the following, I get
>
>> file=file_search('filepath....\*.bmp',COUNT=count)
>
>> arm=bytarr(2216,1254,count,/nozero)
>
>> for i=0,count-1 do begin
>
>> image=read_image(file[i])
>
>> arm[:,*,i] = image
>
>> end
>
>> TV,MAX(arm,dimension=3)
>
>> end
>
>> % Array subscript for ARM must have same size as source expression.
>> Is it not picking up the images in an order? Should I try with smaller
>> size images and a fewer number of images?Thank you!
>
> This indicates that at the point the program stopped the dimensions of
> image were not 2216x1254. You can easily find what they were with a
> 'help,image' when execution is halted at that point.

```

Thank you Paulo! I have tried that and noticed two things.

1. for the following command

```
> IDL print, file
```

the output contained the list of images being loaded. But I have noticed that even though the images are stored in an ascending order

in the folder, the output is not so. Instead the output is
0,1,10,100,101,102.....12,120,121,.....13,130,131 and so on.
Is this because the files are not being loaded in an ascending manner
or it's just the output that is not in an order?

2. with >IDL help, image the output is

```
image byte =array [3,2216,1254].
```

(a). why is there a 3 in the first position? The array should be
in the format of [2216, 1254, i] where i can be anything from 0-255.

(b). is there anything that is causing the 'image' to change its
array format? I haven't declared 'image' as an array.

Thank you!
