## 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!