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Subject: Re: MIP from BMP Images

Posted by [David Fanning](#) on Fri, 08 Jul 2011 15:41:05 GMT

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M R writes:

```
> I hope I am making some kind of progress here. I have the following
> code and I (fortunately) do not get any errors and of course the
> output is in the form of a blank black pop out screen (I am being too
> optimistic) and think atleast the program works! Below is the code
>
> fil = file_search('filepath*.bmp',COUNT = count)
> imag=read_bmp(fil[0])
> s=size(imag)
>
> arm = bytarr (s[1],s[2],count,/nozero)
>
> for i=0, count-1 do begin
>   image = read_bmp(fil[i])
>   arm[*,*,i]=image[*,*]
>   end
>
>   TV,MAX (arm, dimension = 3)
>
> end
>
> (i). imag, arm, image array sizes do not match. They are
>
> IDL> help, arm
> ARM          BYTE    = Array[3, 2216, 256]
> IDL> help, imag
> IMAG         BYTE    = Array[3, 2216, 1254]
> IDL> help, image
> IMAGE        BYTE    = Array[3, 2216, 1254]
>
> Does anyone feel that this mismatch between the array sizes is
> creating the blank black pop out screen instead of an image?
```

Well, yes, among any number of other things. :-)

I say this with all possible kindness, because I can see you are making an effort, and I want to help you, but if this code actually ran I would say it is because you have a special relationship with the programming gods. :-)

How do you know it "ran"? Did you see *\*any\** images in the window?

Let's start at the beginning. Can you open and display just one of the images in your directory? Just without trying to do a loop or anything. At best, with the way you are using the TV command (a totally worthless command IMHO) you will see a tiny sliver of your image on the left-hand side of your display window. If you want to use the TV command (a bad idea, as I mentioned), you might want to try this:

```
imageFile = Dialog_Pickfile(FILTER='*.bmp')
image = Read_BMP(imageFile)
TV, image, TRUE=1
```

So, if you want to stuff this 24-bit image into a larger array (and I pointed out in a previous article why this is almost pointless, since your images don't contain any intensity information), then you will have to make your array a four-dimensional array:

```
dims = Size(image, /DIMENSIONS)
arms = Make_Array(dims[0], dims[1], dims[2], count, /BYTE)
```

Then,

```
arms[*, *, *, j] = image
```

This, of course, assumes all your images are the same size.

I suspect this program of yours ran, maybe, one time and with errors you aren't aware of. Do you have your IDL console window somewhere where you can see it easily?

Cheers,

David

--

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Coyote's Guide to IDL Programming: <http://www.dfanning.com/>  
Sepore ma de ni thue. ("Perhaps thos speakest truth.")

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