Subject: Creating an image as a sum of images
Posted by FSD on Thu, 03 Feb 2005 19:33:55 GMT

Hello;
   I am new to IDL and am having a problem figuring out how to
accomplish an easy task. I have 8 images (png) that are 128x128.
I would like to create one large image that is composed of four images
in two rows with some sort of whitespace in between. Thats it. Any
help at all would be greatly appreciated.
Thanks
FSD

Subject: Re: Creating an image as a sum of images
Posted by David Fanning on Thu, 03 Feb 2005 20:59:38 GMT

FSD writes:

> Hey, thanks for the input. It sorta works but how do I read in eight
> files and write them back out again with the window? I have several
> thousand files and I need to run it seemslessly in the background.

Well, clearly you are going to have to do it in a loop. :-)

You can gather all the files in a directory with File_Search,
figure out how many there are (keyword to File_Search), and
loop through them 8 at a time.

I would display them differently though. I would display
8 files like this:

```
!P.Multi=[0,4,2]
LoadCT, 0, /Silent
Device, Decomposed=0
Erase, Color=255
FOR j=0,7 DO BEGIN
   ; read the image file and get the image on this line
   TVImage, image
ENDFOR
!P.Multi = 0
```

Cheers,

David

--
David Fanning, Ph.D.

Fanning Software Consulting, Inc.
Coyote's Guide to IDL Programming: http://www.dfanning.com/

Subject: Re: Creating an image as a sum of images
Posted by K. Bowman on Thu, 03 Feb 2005 22:45:14 GMT
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In article <fhu40117oo2oat2gg4oi0tvm1bml66r2m1@4ax.com>,
 FSD <frank@digennaro-dot-com> wrote:

>   I am new to IDL and am having a problem figuring out how to
> accomplish an easy task. I have 8 images (png) that are 128x128.
> I would like to create one large image that is composed of four images
> in two rows with some sort of whitespace in between. Thats it. Any
> help at all would be greatly appreciated.

Something like this, I think, ...

file = ['png1', 'png2', ...]

```
image = BYTARR(3, 4*128, 2*128)
FOR j = 1, 0, -1 DO BEGIN
  FOR i = 0, 3 DO BEGIN
    ifile = i + j*4
    png = READ_PNG(file[ifile])
    image[*, i*128, j*128] = png
  ENDFOR
ENDFOR
```

Add whitespace as needed ...

Cheers, Ken

Subject: Re: Creating an image as a sum of images
Posted by R.G.Stockwell on Thu, 03 Feb 2005 22:48:31 GMT
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"David Fanning" <davidf@dfanning.com> wrote in message
news:MPG.1c6c3ea4c718278989901@news.frii.com...
> FSD writes:
>
>> Hey, thanks for the input. It sorta works but how do I read in eight
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> Well, clearly you are going to have to do it in a loop. :-)
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> FOR j=0,7 DO BEGIN
> ; read the image file and get the image on this line
> TVImage, image
> ENDFOR

ahem, well, yes indeed, loops are good.
Unless you have the 1998 version of tvimage, which doesn't quite work with
p.multi   :O

-bob

"Lets just say" [TM] I really should update some of those older routines ;)

Subject: Re: Creating an image as a sum of images
Posted by David Fanning on Thu, 03 Feb 2005 23:03:25 GMT

R.G.Stockwell writes:

> ahem, well, yes indeed, loops are good.
> Unless you have the 1998 version of tvimage, which doesn't quite work with
> p.multi   :O

Uh, time marches on... :-)

Cheers,

David
--
David Fanning, Ph.D.
Fanning Software Consulting, Inc.
Coyote's Guide to IDL Programming: http://www.dfanning.com/