Subject: Re: Loading Sorted Images into a 3D array
Posted by Kenneth P. Bowman on Thu, 21 Jul 2011 16:21:03 GMT

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In article
<4719e461-98c5-4792-851a-69e510229f00@x10g2000vbl.googlegroups.com>,
 M R <manisha.rkp@gmail.com> wrote:

> I have a stack of 55 png images (256 X 256, 24-bit each). I am
> creating a 3D array and would like to load the images in an ascending
> order. But this is not happening since IDL is loading them
> 1,10,101,.....2,20,201....and so on. How so I use the SORT command for
> loading them in an order?
>
> file=file_search('filepath*.bmp',COUNT=count)
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> arm=bytarr(256,256,count,/nozero)
>
> for i=0,count-1 do begin
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>   image=read_image(file[i])
>
>   arm[*,*,i] = image
>
>   end
> end

I am sure this can be done in IDL, but it seems to me that
the simple solution is to rename your files ...001.png, ...002.png,
etc. That will probably make things easier in other ways also.

Ken Bowman

Subject: Re: Loading Sorted Images into a 3D array
Posted by M R on Thu, 21 Jul 2011 16:57:35 GMT

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On Jul 21, 11:21 am, "Kenneth P. Bowman" <k-bow...@null.edu> wrote:
> In article
> < 4719e461-98c5-4792-851a-69e510229...@x10g2000vbl.googlegroup s.com >,
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It worked! Thank you!

Subject: Re: Loading Sorted Images into a 3D array
Posted by Gray on Fri, 22 Jul 2011 02:17:17 GMT
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On Jul 21, 12:57 pm, M R <manisha....@gmail.com> wrote:
> On Jul 21, 11:21 am, "Kenneth P. Bowman" <k-bow...@null.edu> wrote:
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>> Ken Bowman
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Or, sort the numbers in a numerical format (like integers) instead of
as strings.

Subject: Re: Loading Sorted Images into a 3D array
Posted by Carsten Lechte on Mon, 25 Jul 2011 08:20:34 GMT
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On 21/07/11 18:21, Kenneth P. Bowman wrote:
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> the simple solution is to rename your files ...001.png, ...002.png,
> etc. That will probably make things easier in other ways also.

Or, if the filenames are not under one's control, one could try to
parse them like this:

```
files = string( indgen(100), format='("asdf",i0)')
print, files
```

```
fileswrong = files[ sort( files)] ; sort lexically
print, fileswrong
nums = long( strmid( fileswrong, 4))
print, nums
filesrightagain = fileswrong[ sort( nums)]
print, filesrightagain
```

chl