Subject: I/O with file lists
Posted by spacermase on Mon, 21 Jun 2010 18:48:20 GMT

Hello all,

I'm running an image conversion procedure, vcr2fits.pro, which
requires two arguments, the image name and the name of the .fits file
that will be created. Due to the large number of images that need to
be converted, I'd like to be able to run it in batches, and have
created lists of file names and output names (rather unimaginatively
named input.list and output.list, respectively). This is probably a
newbie question, but what's the best way to read these lists into IDL
so vcr2fits can process them? With IRAF, for example, this is done by
entering '@input.list' and '@output.list' into the input and output
parameters- I am hoping that an equivalent exists for IDL.

Suggestions?

Subject: Re: I/O with file lists
Posted by wlandsman on Tue, 22 Jun 2010 11:47:42 GMT

Are you looking for something like the following?

```
readcol,'input.list',infile,f='A'     ;Read input file names into
strings
readcol,'output.list',outfile,f='A',count=n
for i=0,n-1 do vcr2fits,infile[i],outfile[i]
```

On Jun 21, 2:48 pm, spacermase <thomsonmasonfis...@gmail.com> wrote:
> Hello all,
>
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> requires two arguments, the image name and the name of the .fits file
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> Suggestions?

Subject: Re: I/O with file lists
Posted by Nikola on Tue, 22 Jun 2010 15:28:12 GMT
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On Jun 21, 8:48 pm, spacermase <thomsonmasonfis...@gmail.com> wrote:
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> requires two arguments, the image name and the name of the .fits file
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> parameters- I am hoping that an equivalent exists for IDL.
>
> Suggestions?

If I understand correctly, you don't have a list with file names, but
you want to create it? If yes, I normally use FILE_SEARCH function to
generate a list of images that have to be processed:

list = FILE_SEARCH(directory+'*.fits')

Once you have it, you can run

FOR i = 0, nimages DO your_pro(list(i))

Check IDL help for the details of FILE_SEARCH:
http://star.pst.qub.ac.uk/idl/FILE_SEARCH.html