Subject: Re: reading many files
Posted by Ben Panter on Tue, 13 Mar 2007 14:55:25 GMT

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```
george wrote:
```

```
data49-5.0-4.0.dat
data50-5.0-4.0.dat
...
data49-5.0-3.0.dat
data50-5.0-3.0.dat
....
i.e. with the following form
data*-5.0-**.dat
```

Hi George,

I think you might want the STRING command with a FORMAT code. This takes a number and puts it into a string format which you can then add into your for loop. Off the top of my head, try something like

filename='data'+STRING(j,FORMAT='(I02)')+'-5.0-'+STRING(i,FO RMAT='(I1)')+'.0.dat readcol, filename,

cheers,

Ben

__

Ben Panter, Edinburgh, UK. Email false, http://www.benpanter.co.uk or you could try ben at ^^^^^

Subject: Re: reading many files
Posted by Paolo Grigis on Tue, 13 Mar 2007 14:57:44 GMT
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```
george wrote:
```

```
> Hi folks,
```

- > I have to write a short program that however have to read very many
- > files with similar names like

>

- > data49-5.0-4.0.dat
- > data50-5.0-4.0.dat
- > ...

```
> data50-5.0-3.0.dat
> i.e. with the following form
> data**-5.0-**.dat
You can use file_search first to find all matching files
Result = FILE SEARCH('/yourdirectory/subdir/data*-5.0-*.dat')
and then loop through the result array to read them in one by one.
Ciao,
Paolo
> The number of files is quite large, indeed, so I rather than to type
> any single file, I was wondering if there is any (I'm sure there's)
> way to read all this file with a FOR cicle like (obviosuly I don't
> know if the example is correct, since it's what I'm asking...)
>
> for j=49, 80 do begin
     for i=-4, 0 do begin
>
         readcol, somethings.....
> endfor
> endfor
> Thanks so much!
> Thanks a lot!
```

Subject: Re: reading many files
Posted by David Fanning on Tue, 13 Mar 2007 15:49:47 GMT
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george writes:

> data49-5.0-3.0.dat

- > The number of files is quite large, indeed, so I rather than to type
- > any single file, I was wondering if there is any (I'm sure there's)
- > way to read all this file with a FOR cicle like (obviosuly I don't
- > know if the example is correct, since it's what I'm asking...)

FILE_SEARCH should be able to collect all those files in

```
one place for you. :-)

theFiles = File_Search('data??-5.0-??.dat')

Cheers,

David
---
David Fanning, Ph.D.
Fanning Software Consulting, Inc.
Coyote's Guide to IDL Programming: http://www.dfanning.com/
Sepore ma de ni thui. ("Perhaps thou speakest truth.")
```