
Subject: Re: Loops in filenames?

Posted by [davidf](#) on Wed, 17 May 2000 07:00:00 GMT

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Simon de Vet (simon@mathstat.dal.ca) writes:

> I have a number of text files, 'surfout.01', 'surfout.02' ...
> 'surfout.12'.
>
> I can load any one of them into a 3-d array (model, longitude,
> latitude). However, since each represents a different month, I would
> like to put them all together into a 4-d array of (month, model,
> longitude, latitude).
>
> The awkward method would be to just load each one in with its own little
> code, changing the number each time. I know that there must be a better
> way.
>
> Is it possible to load the files with a loop? I don't know where in the
> help to look for such info, nor even where to start experimenting.

I should think something like this might work:

```
files = Findfiles('surfout.*', Count=numFiles)
files = files[Sort(files)]
FOR j=0,numFiles-1 DO BEGIN
  OpenR, lun, files[j], /Get_Lun
  etc.
  etc.
  Free_Lun, lun
ENDFOR
```

Be sure to check the file names before you use this code. Findfiles returns names in a strange order sometimes. It seems almost random to me. You might have to experiment with a better way to sort the names if the order is important to you.

Cheers,

David

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