
Subject: Re: Reading multiple ASCII files in as 2d arrays and putting them into a 3d array

Posted by [polystethylene](#) on Mon, 16 Feb 2009 17:22:33 GMT

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On Feb 16, 4:59 pm, Spon <christoph.b...@gmail.com> wrote:

> On Feb 16, 4:46 pm, polystethylene <polystethyl...@hotmail.com> wrote:

>

>

>

>> I've run into a strange problem with this:

>

>> FOR i=0,nfiles-1 do begin

>> infile = string(folder)+string(i+1,format='("/",i3.3,".dump")')

>> OPENR,lun,infile,/GET_LUN

>> rows = FILE_LINES(infile)

>> data = fltarr(10,nstar,nfiles)

>> framearray = fltarr(10,rows)

>> READF,lun,format = '(I2,1x,I2,1x,I2,2x,F0,2x,I0,5F0.3)',framearray

>> close,lun

>> free_lun,lun

>> data[0,0,i] = framearray

>> print,i

>> print,data[*,*,i]

>> ENDFOR

>> print,data

>> RETURN

>> END

>

>> I've stuck a print statement within the loop to check that each 2-d

>> array is being written to the 3-d array with each pass of the loop,

>> and it seemed to be working fine.

>> However, when I came to pass the variable 'data' out to another

>> procedure, I noticed it was (mainly) full of zeros. A quick print

>> statement outside the loop within the above procedure revealed that I

>> had zeros throughout the entirety of 'data', except for the final

>> value of i.

>

>> I.e. there were only values for data[*,*,124], where 124 is the last

>> value of the loop index.

>

>> Has anyone come across such behaviour before?

>

> Hi Stefan,

>

> you need to stick this line:

> data = fltarr(10,nstar,nfiles)

>

> outside your FOR loop, so you don't keep re-defining it (full of
> zeroes) at every iteration.
>
> Regards,
> Chris

Ahha of course!

Good spot. Thanks guys

I love this place :D

I have a feeling it'll be some time before I'll be able to contribute
anything back to it though =/
