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Subject: Re: read\_ascii for many rows / possible to create automatic names for variables

Posted by [britta.mey](#) on Sat, 05 Jan 2008 15:27:15 GMT

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On Dec 6 2007, 4:10 pm, David Fanning <n...@dfanning.com> wrote:

> Mike writes:

>> I don't think this one will need regexps (although if you are entering  
>> a Buddhist monastery, a good foundation in regexps will help your  
>> meditation practice tremendously!). If no pattern is passed to  
>> strsplit, it splits on whitespace (runs of spaces or tabs). So  
>> strsplit(line, /extract) ought to do it.

>

> Oh, that's helpful. I would have read the documentation,  
> but, well, you know.

>

> Cheers,

>

> David

>

> P.S. I think you are right about that meditation practice! :-)

> --

> 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.")

Hello,

a Happy New Year and a new question concerning this stuff. I'd like to use a for loop to use this routine for many files of the same type, but i end alway up in errors (loops are really one of my infirmnesses).

How can i deal with this? Where do i have to use the indices for the different files?

#####

```
files = FILE_SEARCH('E:\Dissertation\field_campaigns
\Megacities07\spectrometer
\Megacities07_2\PC1_VIS_VN3_VN1\cosinus_vn1\90\normal\VISA-
CH2_VIS2\ALBEDO*.dat',count=nfiles)
files_dif= FILE_SEARCH('E:\Dissertation\field_campaigns
\Megacities07\spectrometer
\Megacities07_2\PC1_VIS_VN3_VN1\cosinus_vn1\90\dark\VISA-
CH2_VIS2\ALBEDO*.dat',count=nfiles_dif)
```

```

for i=0,nfiles-1 do begin

rows = File_Lines(files)
Openr, lun, files(i), /Get_Lun
line = ""
ReadF, lun, line
parts = StrSplit(line, '[' + String(9B) + ']', /REGEX, /EXTRACT)
cols = N_Elements(parts)
Point_lun, lun, 0
data = FltArr(cols, rows)
ReadF, lun, data
Free_Lun, lun
colMeans = Total(data, 2)/rows

dir(1,i,l)=colMeans[4:n_pixel+3]

endfor

```

#####

At the moment i get an error message for line "data=FltArr(cols,rows)"  
-> FLTARR: Expression must be a scalar or 1 element array in this  
context: ROWS.

Cheers,

Britta

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