
Subject: Re: Get rid of unwanted lines.

Posted by [xiao zhang](#) on Fri, 05 Sep 2008 21:45:29 GMT

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On Sep 5, 4:15 pm, mankoff <mank...@gmail.com> wrote:

> On Sep 5, 5:07 pm, xiao <littledd...@gmail.com> wrote:

>

>

>

>> On Sep 5, 2:34 pm, Jean H <jghas...@DELTHIS.ucalgary.ANDTHIS.ca>

>> wrote:

>

>>> xiao wrote:

>>>> Hi~ everyone, i have some data like this:

>

>>>> 1123.97 000 15.0600 000 271.850 000

>>>> 000 000 000 000 000

>>>> 000

>>>> 1127.98 000 15.2800 000 270.650 000

>>>> 000 000 000 000 000

>>>> 000

>>>> 1136.68 000 15.5100 000 269.300 000

>>>> 000 000 000 000 000

>>>> 000

>>>> 1139.05 000 15.7500 000 267.860 000

>>>> 000 000 000 000 000

>>>> 000

>>>> 000 000 000 000 000

>>>> 000

>>>> 000 000 000 000 000

>>>> 000

>>>> 000 000 000 000 000

>>>> 000

>>>> 1145.10 000 15.9900 000 266.410 000

>>>> 1155.74 000 16.2300 000 265.010 000

>>>> 1163.19 000 16.4500 000 263.700 000

>>>> I want to delete these zero lines and write other lines to another

>>>> file. How can I fulfill this ?

>>>> Anyone have good ideas?

>>>> Thank you

>

>>> so, do you always have 6 numbers per lines?

>

>>> do something like this:

>

>>> filename = 'originalFile.txt'

>>> nbLines = file_lines(filename) ;get the number of lines in the file

>>> data = fltarr(nbLines) ;create an array to get all the data

```

>
>>> openR, lun, filename, /get_lun ;open the file
>>> readf, lun, data ;get all the data
>>> close,lun ;close the file
>>> free_lun,lun
>
>>> ;Select the good lines, the ones that do NOT have only zeroes
>>> badLines = where(data[0,*] eq 0 and data[1,*] eq 0 and data[2,*] eq 0
>>> and data[3,*] eq 0 and data[4,*] eq 0 and data[5,*] eq 0, complement =
>>> goodLines)
>
>>> ;open and write the output!
>>> openW,lun, new_fileName, /get_lun
>>> printf,data[*,goodLines]
>>> close,lun
>>> free_lun,lun
>
>>> Jean
>>> PS: since you deal with float data, you might have to replace data[x,*]
>>> eq 0 by abs(data[x,0]) lt epsilon, epsilon being a number small
>>> enough to be considered as zero. Read David's Fanning website under "the
>>> sky is falling".
>
>> yes, it works, but another question arouse. When I have eight columns,
>> after i write them to another file, these numbers are not in the same
>> line. The last two numbers are in another line like this:
>
>> 964.850 0.00000 25.3800 0.00000 335.750
>> 0.00000
>> 0.237400 0.00000
>> 964.510 0.00000 25.0400 0.00000 338.800
>> 0.00000
>> 0.240100 0.00000
>> 964.140 0.00000 24.6500 0.00000 342.150
>> 0.00000
>> 0.245400 0.00000
>> 963.750 0.00000 24.2800 0.00000 345.690
>> 0.00000
>> 0.250700 0.00000
>
>> Why is that? thx
>
> See WIDTH keyword to OPEN command.

```

Thank you ,very much. it works. But when i read these files again in the same program like this:

```
OPENr,3, 'sdata1.eol'  
OPENr,4, 'wdata1.eol'
```

```
subpdata=fltarr(levlesforp,8)  
subwdata=fltarr(levlesforh,6)
```

```
READF,3,subpdata  
readf,4, subwdata
```

it always says, end of file encountered. levlesforp and levlesforh
are exactly the lines of the file generated last step. eight and six
are the column number, why is that?
