
Subject: Re: Get rid of unwanted lines.

Posted by [xiao zhang](#) on Fri, 05 Sep 2008 21:07:59 GMT

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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