
Subject: Re: Get rid of unwanted lines.

Posted by [Jean H.](#) on Fri, 05 Sep 2008 19:34:09 GMT

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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".
