Subject: Re: reading an ascii file efficiently
Posted by jeanh on Fri, 27 Nov 2009 18:39:08 GMT
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nata wrote:
> Hi guys,
>
> I'm reading an ascii file and I can do that using different methods.
> Now, I'm trying to use the most efficiently method. I do something
> like this:
>
> lines=FILE_LINES(file)
> rr=STRARR(lines)
> OPENR, lun, file, /GET_LUN
> READF, lun, rr
> FREE_LUN, lun
>
> Now i have all the information in rr variable. Each line have the
> following information:
> 280 , 0 , 280 , 0 , -58.085 , -32.616 , -32.000
> or
> 15 , 1 , 15 , 1 , -60.908 , -32.603 , -32.000
>
> And I need to return only the last value, so -32.000. I can use
> STRSPLIT or STRMID with STRPOS but is not efficient so I'm trying to
> use READS for each line. Something like this:
>
> aux=0.
> result=FLTARR(lines)
> FOR i=0l, lines-1 DO BEGIN
> READS, rr[i], aux, aux, aux, aux, aux, aux, aux,
> FORMAT='(F0,",",F0,",",F0,",",F0,",",F0,",",F0,", ",F0,",",)'
> result[i]=aux
> ENDFOR
>
> You can see that I don't know how to use the FORMAT keyword properly
> so maybe you have an idea of how to skip the first 6 values.
> Using a template, strsplit, etc. I found that this is the most
> efficient way to read this *@#$* file.
>
> Thanks if you can help me with this format or if you have a
> suggestion.
>
> nata
>

what about reading your data in a float array directly?
data = fltarr(nbCol,nbLines)

readf,lun,data

dataToKeep = data[nbCol-1,*]

Jean
