Subject: Re: slow file-handling
Posted by James Tappin on Tue, 03 Sep 1996 07:00:00 GMT
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Jorn Helbert wrote:
>
> Hi,
> I have a problem reading in a large data-file
> the file consist of 57422 rows with the following format
> t foo foo foo bx by bz
>
> all double floating and I need the foo-values not. if i just read it
> line by line it takes nearly ten minutes on a sparc twenty. my read
> block is the following
> b_temp = double([0.,0.,0.])
> t_temp = [0.0]
> WHILE NOT eof(u1) DO BEGIN
> readf,u1,t_temp,foo,foo,foo,b_temp
> t_u = [t_u,t_temp]
> b_u = [b_u,b_temp]
> END
>
> I don't know before how long the file is. so I have to use the temporary
> values.
> Any ideas how to speed this up?
>
> cheers
> jorn
>
> --
> Joern Helbert
>
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One possibility on a unix box is to spawn "wc" to see how many lines there are
(if you need VMS portability, then select that or FSTAT according to the
operating system [!version.os] -- I don't know about PC's & macs)

So you'd have something like:

```
spawn, 'wc '+filename, res
nrecs=fix(res)       ; Number of lines is first field in WC output

inarr =dblarr(7,nrecs)

openr, iu, /get, filename
```

```
readf, iu, inarr

t_u = transpose(float(inarr(0,*)))   ; Assuming you really need to go
        ; back to single precision, transpose
        ; Otherwise it will be a (1,n) array
b_u = inarr(4:6, *)
```


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