Subject: Re: Writing a very large file
Posted by pgrigis on Fri, 07 Dec 2007 20:39:03 GMT
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Hi Wayne, I don't see this effect on my Mac...

Ciao,
Paolo

```
      0      0.47319698
      1      0.86947393
      2       1.3010280
      3      0.88083601
      4      0.90536904
      5      0.87050986
      6       1.1563799
      7       1.3074460
      8      0.86915302
      9      0.90732503
     10      0.87124896
     11       1.3134921
     12      0.87872696
     13      0.88537407
     14       1.2747021
     15      0.88525605
     16      0.87100291
     17      0.89240909
     18       1.3015611
     19      0.89991498
     20      0.88492012
```

wlandsman wrote:
> I am writing a sequence of images to a single very large file on my
> Linux system. I find that the processing dramatically slows down
> after the first few images. The simplified code looks like the
> following:
>
> pro test
> ; Display the time required to write a series of image to a single
> large file
> im = intarr(4096,4096)
> t = systime(1)
>
> close,1 & openw,1,'test.dat'
> for i=0,20 do begin
> writeu,1,im
> print,i,systime(1)-t & t = systime(1)

> endfor
>
> close,1
> return
>
>
> IDL> test
> 0 0.22054195
> 1 0.26708603
> 2 0.35127902
> 3 0.37285185
> 4 3.3877730
> 5 6.1666460
> 6 6.1697872
> 7 6.2481630
>
>
> So the first four images take ~0.3s each to write, while subsequent
> images require more than 6 seconds each. I suspect that the slowing
> down is due to IDL (or the OS) needing to extend the file size. (I
> checked that it is not a memory usage problem.) So I think
> things would speed up if I could specify the final file size at the
> beginning -- perhaps there is a way to do this in Unix? I have
> experimented with the BUFSIZE and RAWIO keywords to OPENW but so far
> without any improvement.
>
> Thanks for any suggestions, --Wayne
