
Subject: How to fasten formatted printf?

Posted by [enod](#) on Tue, 05 Jan 2016 02:01:07 GMT

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Hi all,

I usually have over a thousand text files to write. Each file contains 9 columns and several thousand lines. The below is a test.

```
PRO TEST_PRINTF_FORMATTED_LARGE
```

```
  ofile='c:\test.txt'
```

```
  data=DBLARR(9,7000)
```

```
  t0=SYSTIME(/seconds)
```

```
  OPENW,fid,ofile,/get_lun
```

```
  PRINTF,fid,data,format='((3(1x,f10.5),1x,3(1x,f8.2),1x,3(1X, f4.1)))'
```

```
  FREE_LUN,fid
```

```
  DELTA_T=SYSTIME(1)-T0*1d0
```

```
  PRINT,'Total time: '+STRING(DELTA_T,FORMAT='(f)')+ ' seconds'
```

```
END
```

On my notebook, it takes about 0.14 seconds to finish the above task, e.g.

```
% Compiled module: TEST_PRINTF_FORMATTED_LARGE.
```

```
Total time:      0.1449999809265137 seconds
```

```
% Compiled module: TEST_PRINTF_FORMATTED_LARGE.
```

```
Total time:      0.1349999904632568 seconds
```

```
% Compiled module: TEST_PRINTF_FORMATTED_LARGE.
```

```
Total time:      0.1500000953674316 seconds
```

For 1000 files, it will take over 2 minutes. I wonder whether there is a way to do it very quickly.

Thank you very much!

Yunfeng Tian
