Subject: Re: how to get time consumed by idl program? Posted by Ralf Flicker on Sat, 05 Oct 2002 13:05:37 GMT

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Wayne Dou wrote:

>

- > i am a beginner of idl, and i am anxious to compare idl with other
- > softwares such as matlab, but i don't know how to calculate the time
- > idl program used to complete a task, i am wondering if there is a
- > function to do the job.

A simple way to clock something specific is to use the "systime" function, for instance:

```
t0 = systime(1); code your process here
t1 = systime(1)
elapsed = t1-t0
```

There are IDL benchmarking routines (time_test2.pro) that can gauge the performance of IDL on different computers, but I don't know how useful that is for comparing with different programs (I don't know what Matlab might have implemented). I alway write my own benchmarking code to test a few specific operations like I showed above (for instance FFTs, matrix multiplications, splines and interpolations etc).

I actually have a question to the same effect as yours, but concerning Yorick, so I'll post that in a separate thread.

ralf

Subject: Re: how to get time consumed by idl program? Posted by R.Bauer on Sat, 05 Oct 2002 16:18:42 GMT

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Wayne Dou wrote:

- > i am a beginner of idl, and i am anxious to compare idl with other
- > softwares such as matlab, but i don't know how to calculate the time
- > idl program used to complete a task, i am wondering if there is a
- > function to do the job.

>

> thank you!

Dear Wayne,

if you like to know how much time two steps take you can try systime as described by Ralf.

Another tool is the profiler. The online help tolds

The PROFILER procedure allows you to access the IDL Code Profiler. The IDL Code Profiler helps you analyze the performance of your applications. You can easily monitor the calling frequency and execution time for procedures and functions.

there is an example in the help described too.

regards

Reimar

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Forschungszentrum Juelich email: R.Bauer@fz-juelich.de http://www.fz-juelich.de/icg/icg-i/

a IDL library at ForschungsZentrum Juelich http://www.fz-juelich.de/icg/icg-i/idl_icglib/idl_lib_intro. html

Subject: Re: how to get time consumed by idl program? Posted by waynedou on Sun, 06 Oct 2002 07:58:02 GMT View Forum Message <> Reply to Message

thank you all. yesterday i used systime() to do the job, but it doesn't work, just now i used systime(1) and i've got the result. now i'm trying profiler.

thank you very much!