
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 always 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 tells

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/>

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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
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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!
