
Subject: Re: Maximum Likelihood processing time
Posted by [lbuse](#) on Wed, 10 Mar 2004 10:28:39 GMT
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> Hello,
>
> I think what you are seeing is that when a routine is first called, IDL
> has to search for it and (possibly) compile it. Subsequent calls don't
> have to be compiled.
>
> You could compile the routines before running the routine (see .compile)
> or you could perform your comparisons only after the routine has been
> called at least once.
>
> Ben

Hi Ben,

thanks for your answer. Unfortunately, I don't think that this is
the (only) problem. I'll try to explain what happens with an example:

- I run the classification for the first time with 5 bands, and I get
a processing time of 12 seconds. Now, all the routines have been
compiled, and, if your suggestion is correct, the processing time
should be constant for further classifications, but I noticed the
following problem:

- If, after the first 5 bands classification, I run a 50 bands
classification, the processing time is about 300 seconds.

- If, after the 5 bands classification, I run an intermediate 45
bands classification (which takes about 275 seconds), and then a 50
bands classification, the time required for the 50 bands
classification decreases to about 85 seconds !

- If now I quit IDL, restart it, and perform again the 50 bands
classification, I get a processing time of 15 seconds !

Now, I think that this behaviour could be related to a "memory
allocation" problem, but I don't know how to manage it.

Does anyone have a suggestion ?

Thanks for the help,

Lorenzo
