## Subject: Re: Maximum Likelihood processing time Posted by Ibusett 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 dont' 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