
Subject: Re: IDL program runs faster on slower CPU
Posted by [Craig Markwardt](#) on Wed, 19 Mar 2014 01:47:56 GMT
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On Tuesday, March 18, 2014 8:22:44 AM UTC-4, Arthur Vigan wrote:

> Le lundi 17 mars 2014 18:33:27 UTC+1, Craig Markwardt a écrit :

>> On Sunday, March 16, 2014 6:15:04 PM UTC-4, Arthur Vigan wrote:

>>

>>> Strangely, the code runs about 4 to 5 times faster on the MacBook Pro. The code is strictly identical, with the same starting point, and it finds exactly the same result in the same number of iterations. I also mention that the program does not rely on disk access that could slow things down: all the data is in memory.

>>

>> I would suggest using PROFILER to find out where the bottleneck is. My first guess is you have some numerical faults like NaNs which are being handled by the two platforms differently. Sometimes numerical exceptions are handled very slowly because they take a round trip to the kernel.

>

>

>

> It could be a possibility, but after running the profiler I am not so sure. The profiler output seems to show very mixed results, with some things running faster on the Mac, and some things running faster on the server. But more generally, any complex program seems to run faster on the Mac

>

>

>

> I just ran a simple test on the two machines:

...

It's still worth it to check your actual problem, not a simple test.

CM
