Subject: Re: IDL program runs faster on slower CPU
Posted by Craig Markwardt on Mon, 17 Mar 2014 17:33:27 GMT

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[I'm having lots of trouble posting from Google Groups the past few days.]

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.

Craig