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Subject: Re: multi-threading slower than single thread

Posted by [mirek](#) on Sat, 30 Jan 2010 07:48:42 GMT

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nixnixnix wrote on Fri, 29 January 2010 16:23Hi,

I have a very strange thing happening. Just over 1 year ago I wrote some multi-threading code that scaled the performance of my calculation linearly with number of virtual cores. However, now that same code performs worse than a single thread.

Using my SVN I have stepped back in time one year and recompiled that code and it performs as I remember it.

My code now is many many times slower and the single threaded version performs better than the multithreaded version.

Generally, this is a sign that either synchronization costs or thread management costs are higher than gains of using multiple cores....

Hard to comment more without seeing the code.

When you are speaking about svn, are you speaking about U++ (then it would be useful to at least provide svn revision which appears to break it) or your code?

Quote:

(size?) of the exe that is causing it to perform hundreds of times worse.

Not really impossible. Can be a cache issue. But IMO unlikely.

Mirek

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