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Subject: Re: Sorry Re: which OS is faster for idl?

Posted by [Pertti Rautiainen](#) on Fri, 24 Oct 2003 09:13:00 GMT

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R.G. Stockwell <noemail@please.com> wrote:

: A while ago I came to a similar conclusion. A 1.13 ghx win2000 laptop  
: was faster than my 1.4 ghz linux AMD.  
: There must be compiler optimizations available on the ms platforms  
: that are not there on the other platforms.

Another thing is that IDL seems to be better optimized for Intel than for AMD. Here's the results for time\_test3:

P4, 2.2 GHz, 1024 MB RAM, RedHat 9.0 & IDL 6.0

1.95918=Total Time, 0.071304670=Geometric mean, 23 tests.

Athlon TB 1.4 GHz, 512 MB RAM, RedHat 9.0 & IDL 6.0

4.02103=Total Time, 0.13463139=Geometric mean, 23 tests.

When I am running an N-body simulation program in both machines, I get quite different results: when the code is compiled with g77, the computers are roughly as fast, when I use Intel's Fortran compiler, P4 is about 40% faster than Athlon. So even with Intel's own compiler, the difference is far from what time\_test3 gives.

Pertti Rautiainen

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