
Subject: Re: A few IDL benchmarck results - question
Posted by [Robert Stockwell](#) on Sun, 21 Oct 2001 18:20:11 GMT
[View Forum Message](#) <> [Reply to Message](#)

Interesting.

I can also post some numbers from the different computers I use.

But I have a question.

I have a laptop with 1.2 Ghz Pentium, 512M ram running win2000.

I compared it to an Athlon 1.4 ghz , 512M ram desktop running Redhat 7.0.

Both run IDL 5.4, and execute identical code. No graphics, other than printing a line about every 5 seconds. It is all floating point calculations.

Disk access neglibable, and entire process takes about 80 M of ram.

The weird thing is that my 1.2G laptop is a little quicker than the 1.4G desktop,

in spite of the fact that my sys guy guaranteed that the athlon is screaming fast

on FP operations (faster than a 1.8Ghz pentium).

An iteration on the 1.2G takes 24 minutes, on the 1.4G it takes 27 minutes.

I was expecting the 1.4G to take about 14 minutes (having been told how fast the athlon is as compared to a pentium).

Also, time_test2 takes 1.6 seconds on the 1.2Ghz laptop,
and a little over two full seconds on the 1.4Ghz desktop.

So here's the question, is IDL and/or win2000 optimized for a pentium chip?
Why is it so fast?

I do know that the IDLDE is way way better on win2000 than on linux, so are there compiler optimizations in IDL that only exist on win2000?

Cheers,
bob

PS I don't know if this is relevant, but on the 1.4Ghz linuz box, I pull IDL over from another computer to run it on mine. I can't see how that makes a difference though since it should be sitting in ram.

K. Bowman <k-bowman@null.tamu.edu> wrote in message

news:181020011253237910%k-bowman@null.tamu.edu...

> Here are a few results from an IDL code I use for benchmarks. It is a

....

> System Clock CPU OS version Time (s)

> ----- ----- ----- ----- -----

> Alpha DS20 667 MHz 21264 Tru64 UNIX V5.0A (Rev. 1094) 37

> Powermac G4 867 Mhz PPC G4 Mac OS 9.2 under Mac OS X 58

> Powermac G4 500 MHz PPC G4 Mac OS 9.1 77

> Powerbook G4 400 Mhz PPC G4 Mac OS 9.1 90

> Alpha 500au 21164? Digital Unix V4.0 878 108

> SGI O2000 180 MHz? IRIX 6.5 IP27 136

> SGI O200 180 MHz? IRIX 6.5 IP27 150

> SGI O2 IRIX 6.3 IP32 328

...