
Subject: Re: AMD CPU - (pentium way faster)
Posted by [Brian Jackel](#) on Thu, 31 Jan 2002 19:23:23 GMT
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Hi Bob

I ran the same tests using IDL 5.4 on three machines here

- 3) 1.6 Ghz Athlon (512 Mbytes ram)
- 4) 1.2 Ghz Pentium (1 Gbyte ram)
- 5) 2 x 600 Mhz Pentium (512 Mbytes ram)

all under Win2000 professional with the latest updates.
Results were obtained by compiling, throwing out the first few results, then averaging four.

Time_test.pro

- 3) 0.641
- 4) 0.683
- 5) 2.03

Time_test2.pro

- 3) 1.67
- 4) 1.80
- 5) 5.14

So the Athlon is fastest, but not by the clock speed multiplier.
Also, dual processors don't buy you anything when running a single copy of IDL. Maybe that'll improve with the newer threaded versions.

Why is Bob's Linux/Athlon combination so slow? Do RSI link to a particularly bad numerical library? I'd really like to know what's going on here. My long term plan is to migrate from Windows to Linux, but I'm not keen on a 50% degradation in effective processing power.

Brian

Robert Stockwell wrote:

- > Ok, here are my current numbers comparing IDLDE 5.5 on:
- > 1) 1.4 ghz Athlon 512Mram (Desktop) running Redhat 7.2 Linux
- > and the KDE desktop
- > 2) 1.13Ghz Pentium III 512Ram (Laptop) running Windows2000 SP2
- >
- > These were all averaged repeated runs, no "compile time".
- >
- > Time_test.pro

> 1 (1.4Ghz Athlon) = 0.78 seconds
> 2 (1.1Ghz pentium) = 0.63 seconds
>
> Time_test2.pro
> 1 (1.4Ghz Athlon) = 2.00 seconds
> 2 (1.1Ghz pentium) = 1.64 seconds
>
> Anyone else see speed differences in IDL on windows vs linux,
> or on pentium vs athlon? Or am I anomalous, cause if its just me, I'll
> start looking at the memory I have and other hardware reasons for
> the slow athlon.
>
> Cheers,
> bob
