Subject: Re: AMD CPU - (pentium way faster)
Posted by Robert Stockwell on Thu, 31 Jan 2002 22:19:29 GMT

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Brian Jackel wrote:

> 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
>

I retract my statement that pentiums are faster.
Rather win2000 runs IDL faster than linux runs IDL.
Also, the 50% number I threw out there is too high,
(due to faster cache, memory etc), and the number
should be ~20%.

Do you have any linux systems or better yet, dual boot?

Here is the data on a dual boot computer I just tested
(this is also posted in another message):

Both trials are running idl 5.5 (in demo mode, we don't have a license on it)
I ran the time tests about 15 time each, and took an average
(after it read from file and compiled the code)
the computer: 1.4 Ghz AMD athlon, 512 Ram.

OS 1) Win2000 SP 2
    Average time for time_test.pro = 0.596 seconds
OS 2) Slackware 8 2.4.17 kernel with X3864.1 running fvw2
    Average time for time_test.pro = 0.725 seconds
0s 3) Slackware 8 2.4.17 kernel with no xwindows (i.e. command line only)
    Average time for time_test.pro = 0.721 seconds

So, that is .725/.596 = 23.5% longer on linux.
(and the command line version is slightly quicker, probably in
printing out the 10 or twnety lines of text)

Cheers,
bob