Subject: Re: AMD CPU - (pentium way faster)
Posted by Robert Stockwell on Thu, 31 Jan 2002 15:47:50 GMT
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Robert Stockwell wrote:

> Brian Jackel wrote:
>
>> Hmmm, interesting.
>>
>> We just got a 1.6Ghz AMD and 1.2Ghz Pentium. Both running Windows2000
>> Professional. The
>> STREAM benchmarks (http://www.cs.virginia.edu/stream/)
>> claim that the AMD is *much* faster, while
>> IDL timetests indicate only a slight advantage
>> for the AMD.
>> I wonder what's up with the Linux version?
>>
>>   Brian
>>
>

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

So, the athlon is .78/.63 = 23% slower,
or 2/1.64 = 21% slower.

Of course, clock down the athlon to 1.13 ghz
and the time is 2.00*1.4/1.13 = 2.47 seconds,
and the percent slowness would be
2.46/1.64 = 50% slower.

YIKES!

and this is after my sys admin promised that the Athlon
1.4ghx would be much faster than the 1.8Ghz pentium I was
GOING TO BUY, until he talked me out of it. Such is life
on the cutting edge.

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