

Re: OT: Wheeeeeee! New PSpice Benchmarks

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In article <cgfl2e\$6k5\$1@blue.rahul.net>, kensmith@green.rahul.net says...

> In article <mn.c1f97d4831c16dbd.15428@spamyourselfagainstawall>,
> /* frank */ <__frank__@despammed.com> wrote:
> >Dopo dura riflessione, Jim Thompson ha scritto :
> >
> >> 2.175 times faster !!!
> >
> >Faster time – surely – isn't due to 64 bit:
> >nor WinXP neither pspice.exe are 64 bit ;)
> >
> You may be wrong. A 64 bit bus can transfer more instructions per cycle
> and move a "double" in one stroke. Since the software has to do a lot of
> both, it could be the 64 bit nature of the machine that helped to gain the
> speed.

Even the lowly Pentium-1 (P5) had a 64bit bus. Memory can only be referenced a cache-line/sector at a time. You want one bit? You're getting 255 more where that one came from. ;-)

> It could also be like the new navigation system we just installed. They
> got a 25% increase in performance just by changing to a synthetic oil on
> the relative bearings.

The difference is quite likely do to the integrated DRAM controllers on the Athlon64/Opteron. The memory latency is significantly less than it would be with a northbridge attached memory system.

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Keith