

Re: Why do CPUs run hotter...?

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- *From:* "Roger" <irwin@xxxxxx>
 - *Date:* 19 Jun 2006 06:44:47 -0700
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krw wrote:

In article <1150707795.535043.280960@xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx>, irwin@xxxxxx says...

krw wrote:

It's called *HALT*, and has been done for at least a decade.

Only on decent preemptive OS's, a decade ago most users were still using W95 ;-)

Not true. Win95 will HALT also. ...and it's not a decent OS.

Sorry, I meant Win3.1, not that it made much difference because the W95 systems of a decade ago mostly ran software built to the old API, the OS could halt but did not know ****when**** :-;

Note that HALT is only part of a strategy. HALT can be used in the idle task of a CPU, but there is also the possibility of reducing clocks when the load is light, which is not the same thing is it :-/

One can also modulate the power supply, but these topics weren't at issue.

Re: Why do CPUs run hotter...?

Disagree, I am not talking about tweaking of the sort that overclockers do, I am talking about the possibilities the OS has to reconfigure on the fly to alter the performance vs consumption ratio.

BTW, another point is that the FP pipelines consume less when they are empty ;—)

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