

Re: [linux-pm] [PATCH] cpuidle: avoid singing capacitors

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Source: <http://linux.derkeiler.com/Mailing-Lists/Kernel/2008-03/msg04475.html>

- *From:* Pierre Ossman <drzeus-list@xxxxxxxxxx>
 - *Date:* Tue, 11 Mar 2008 18:31:49 +0100
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On Tue, 11 Mar 2008 16:20:26 +0100

Pierre Ossman <drzeus-list@xxxxxxxxxx> wrote:

On Tue, 11 Mar 2008 11:48:22 +0100

Andi Kleen <andi@xxxxxxxxxxxxxxxxxx> wrote:

I have now found a very hacky workaround that is slightly better than disabling C3 altogether; making C3 exclusive to one core at a time. It seems to kill the noise and the system now spends 50% in C3, instead of 0%.

I suspect it won't do much of C3 if only one core is idle this way. Most likely you just disabled C3 this way in a way invisible to software.

What a letdown... I'll pull out the old watt meter again and see if I can confirm that.

It seems that you are correct Andi. Power usage is in line with C3 completely disabled. Bummer :/

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-- Pierre Ossman

Linux kernel, MMC maintainer <http://www.kernel.org>

PulseAudio, core developer <http://pulseaudio.org>

rdesktop, core developer <http://www.rdesktop.org>

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