patch to make 2.4.32 work on i486 again

Source: http://linux.derkeiler.com/Mailing−Lists/Kernel/2006−01/msg11571.html

- *From*: Jacek Lipkowski <sq5bpf@xxxxxxxxxxxxxxxxx>
- *Date*: Tue, 31 Jan 2006 23:29:05 +0100 (CET)

Booting the 2.4.32 kernel compiled for a i486 on an i486 box fails,
because "Kernel compiled for Pentium+, requires TSC feature!" (printed
from check_config() include/asm−i386/bugs.h). To reproduce, select 486 in
the kernel configuration and grep CONFIG_X86_TSC .config

Seems strange that no one noticed this, am i the only one still using 486
boxes? :)

Jacek

Simple patch against vanilla 2.4.32:

−−− arch/i386/config.in.old 2006−01−30 22:57:21.000000000 +0100
+++ arch/i386/config.in 2006−01−30 23:00:55.000000000 +0100
@@ −65,6 +65,7 @@
define_bool CONFIG_X86_POPAD_OK y
define_bool CONFIG_RWSEM_GENERIC_SPINLOCK n
define_bool CONFIG_RWSEM_XCHGADD_ALGORITHM y
+ define_bool CONFIG_X86_TSC n
fi
if ["$CONFIG_M486" = "y"]; then
define_int CONFIG_X86_L1_CACHE_SHIFT 4
@@ −72,6 +73,7 @@
define_bool CONFIG_X86_ALIGNMENT_16 y
define_bool CONFIG_X86_PPRO_FENCE y
define_bool CONFIG_X86_F00F_WORKS_OK n
+ define_bool CONFIG_X86_TSC n
fi
if ["$CONFIG_M586" = "y"]; then
define_int CONFIG_X86_L1_CACHE_SHIFT 5
−
To unsubscribe from this list: send the line "unsubscribe linux−kernel" in
the body of a message to majordomo@xxxxxxxxxxxxxxx
More majordomo info at http://vger.kernel.org/majordomo−info.html
Please read the FAQ at http://www.tux.org/lkml/

- ***Follow−Ups***:

- ***Re: patch to make 2.4.32 work on i486 again***
  - *From:* Grant Coady

- Prev by Date: ***Re: + cpufreq-_ppc-frequency-change-issues-freq-already-lowered-by-bios.patch added to -mm tree***
- Next by Date: ***Re: patch to make 2.4.32 work on i486 again***
- Previous by thread: ***Re: + cpufreq-_ppc-frequency-change-issues-freq-already-lowered-by-bios.patch added to -mm tree***
- Next by thread: ***Re: patch to make 2.4.32 work on i486 again***
- Index(es):
  - ***Date***
  - ***Thread***