



encode_mp3

Intel Core i7-10610U testing with a Dell 0M5G57 (1.1.1 BIOS) and Intel UHD CML GT2 3GB on Ubuntu 20.04 via the Phoronix Test Suite.

Test Systems:

encode_mp3_roy

Processor: Intel Core i7-10610U @ 4.90GHz (4 Cores / 8 Threads), Motherboard: Dell 0M5G57 (1.1.1 BIOS), Chipset: Intel Device 02ef, Memory: 16GB, Disk: Kioxia KBG40ZNS256G NVMe 256GB, Graphics: Intel UHD CML GT2 3GB (1150MHz), Audio: Realtek ALC3254, Network: Intel-AC 9462

OS: Ubuntu 20.04, Kernel: 5.13.0-35-generic (x86_64), Desktop: GNOME Shell 3.36.9, Display Server: X Server 1.20.13, OpenGL: 4.6 Mesa 21.2.6, Vulkan: 1.2.182, Compiler: GCC 9.4.0, File-System: ext4, Screen Resolution: 1920x1080

Kernel Notes: Transparent Huge Pages: madvise

Compiler Notes: --build=x86_64-linux-gnu --disable-vtable-verify --disable-werror --enable-checking=release --enable-clocale=gnu --enable-default-pie --enable-gnu-unique-object --enable-languages=c,ada,c++,go,brig,d,fortran,objc,obj-c++,gm2 --enable-libstdcxx-debug --enable-libstdcxx-time=yes --enable-multiarch

--enable-multilib --enable-nls --enable-objc-gc=auto --enable-offload-targets=nvptx-none=/build/gcc-9-yTrUTS/gcc-9-9.4.0/debian/tmp-nvptx/usr,hsa --enable-plugin
--enable-shared --enable-threads=posix --host=x86_64-linux-gnu --program-prefix=x86_64-linux-gnu- --target=x86_64-linux-gnu --with-abi=m64 --with-arch-32=i686
--with-default-libstdcxx-abi=new --with-gcc-major-version-only --with-multilib-list=m32,m64,mx32 --with-target-system-zlib=auto --with-tune=generic --without-cuda-driver -v
Processor Notes: Scaling Governor: intel_pstate powersave (EPP: balance_performance) - CPU Microcode: 0xea - Thermal 1.9.1
Security Notes: itlb_multihit: KVM: Mitigation of VMX disabled + l1tf: Not affected + mds: Not affected + meltdown: Not affected + spec_store_bypass: Mitigation of SSB
disabled via prctl and seccomp + spectre_v1: Mitigation of usercopy/swapgs barriers and __user pointer sanitization + spectre_v2: Mitigation of Enhanced IBRS IBPB:
conditional RSB filling + srbds: Mitigation of TSX disabled + tsx_async_abort: Mitigation of TSX disabled

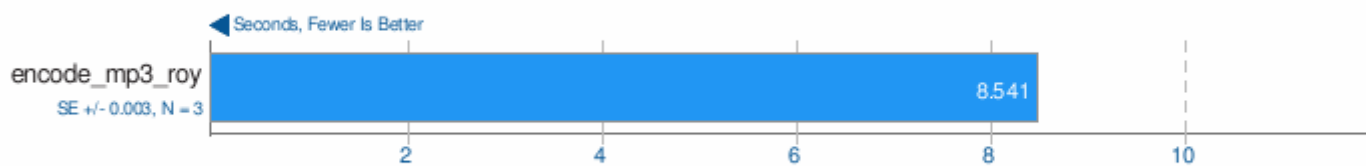
encode_mp3_roy

LAME MP3 Encoding - WAV To MP3 (sec) 8.541

Standard Deviation 0.1%

LAME MP3 Encoding 3.100

WAV To MP3



1. (OC) gcc options: -O3 -fast-math -funroll-loops -fschedule-insns2 -fbranch-count-reg -fforce-addr -pipe -lm

This file was automatically generated via the Phoronix Test Suite benchmarking software on Friday, 18 March 2022 15:41.