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Precision 5530 TEST 1

JB1 Reaper Custom Build vs Dell Precision 5300

Test Systems:

LUP Review Precision 5530

Processor: Intel Core i9-8950HK @ 4.80GHz (6 Cores / 12 Threads), Motherboard: Dell 0FP2W2 (1.3.0 BIOS), Chipset: Intel Cannon Lake PCH Shared SRAM, Memory: 2 x 16384 MB DDR4-2667MT/s 16ATF2G64HZ-2G6E1, Disk: SM961 NVMe SAMSUNG 512GB, Graphics: Intel UHD 630 3072MB (1200MHz), Audio: Realtek ALC3266, Network: Intel Wireless-AC 9260

OS: Ubuntu 18.10, Kernel: 4.18.0-8-generic (x86_64), Desktop: GNOME Shell 3.30.0, Display Server: X Server vt.handoff=1, OpenGL: 4.5 Mesa 18.2.1, Compiler: GCC 8.2.0, File-System: ext4, Screen Resolution: 3840x2160

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++ --enable-libmpx --enable-libstdcxx-debug --enable-libstdcxx-time=yes --enable-multiarch --enable-multilib --enable-nls --enable-objc-gc=auto --enable-offload-targets=nvptx-none --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 --with-tune=generic --without-cuda-driver -v

Disk Notes: NONE / errors=remount-ro,relatime,rw
Processor Notes: Scaling Governor: intel_pstate performance
Security Notes: KPTI + __user pointer sanitization + Full generic retpoline IBPB IBRS_FW + SSB disabled via prctl and seccomp + PTE Inversion; VMX: conditional cache flushes SMT vulnerable

jb1-reaper

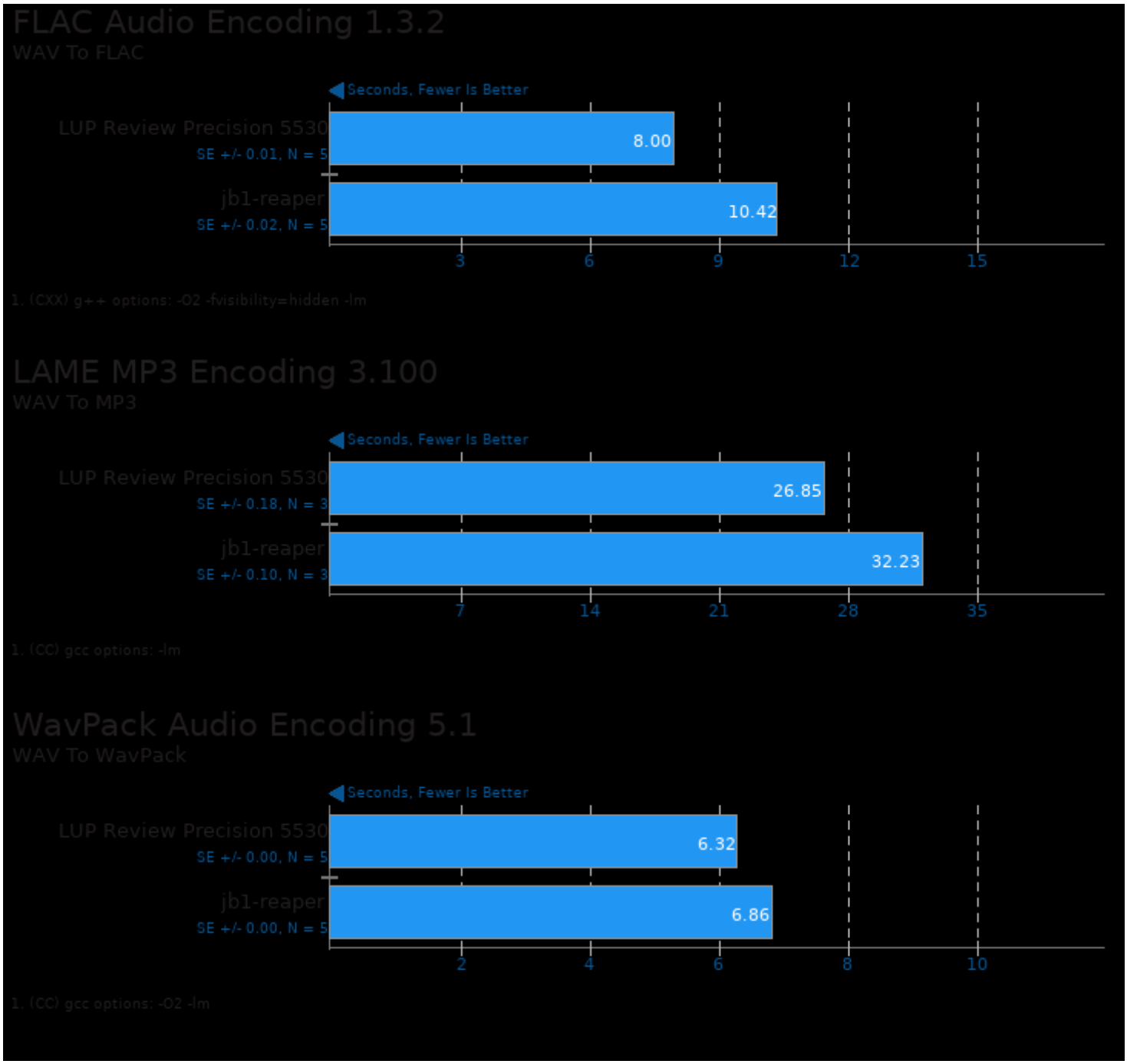
Processor: Intel Core i7-4790 @ 4.00GHz (4 Cores / 8 Threads), Motherboard: ASUS Z97-A-USB31 (0401 BIOS), Chipset: Intel 4th Gen Core DRAM, Memory: 1 x 8192 MB DDR3-1600MT/s, Disk: 2000GB TOSHIBA DT01ACA2 + 120GB ADATA SP550, Graphics: ASUS NVIDIA GeForce GTX 560 Ti 1024MB, Audio: Realtek ALC892, Monitor: DELL S2240M + DELL S2240T, Network: Intel Connection

OS: Ubuntu 18.04, Kernel: 4.15.0-22-generic (x86_64), Desktop: KDE Plasma 5.12.6, Display Server: X Server 1.19.6, Display Driver: nouveau 1.0.15, Compiler: GCC 7.3.0, File-System: ext4, Screen Resolution: 3840x1420

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++ --enable-libmpx --enable-libstdcxx-debug --enable-libstdcxx-time=yes --enable-multiarch --enable-multilib --enable-nls --enable-objc-gc=auto --enable-offload-targets=nvptx-none --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 --with-tune=generic --without-cuda-driver -v
Processor Notes: Scaling Governor: intel_pstate powersave
Security Notes: KPTI + __user pointer sanitization + Full generic retpoline IBPB IBRS_FW + SSB disabled via prctl and seccomp

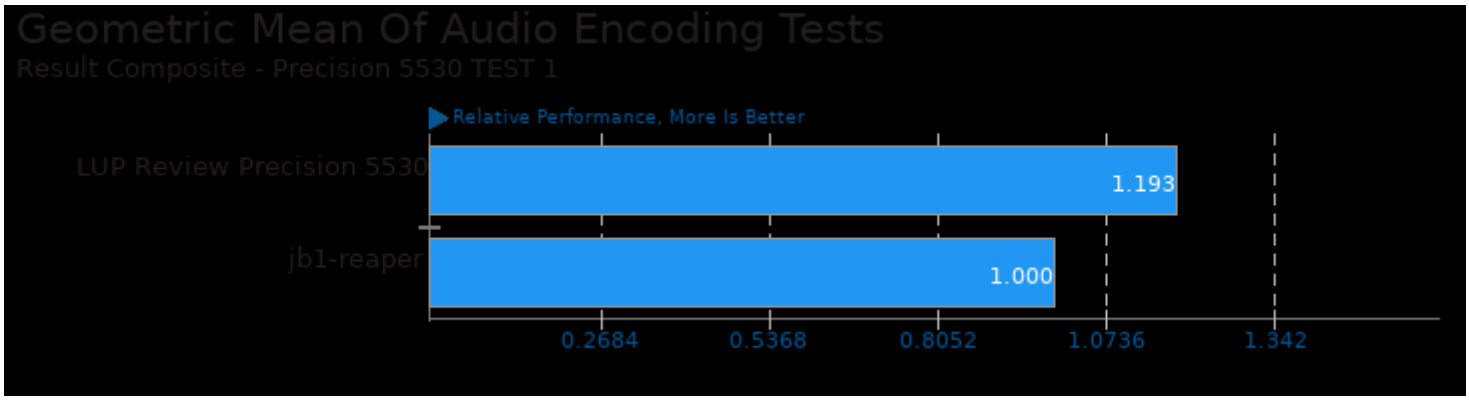
	LUP Review Precision	jb1-reaper
FLAC Audio Encoding - WAV To FLAC (sec)	**8.00**	**10.42**
Normalized	100%	76.78%
Standard Deviation	0.3%	0.5%
LAME MP3 Encoding - WAV To MP3 (sec)	**26.85**	**32.23**
Normalized	100%	83.31%
Standard Deviation	1.2%	0.5%
WavPack Audio Encoding - WAV To WavPack (sec)	**6.32**	**6.86**
Normalized	100%	92.13%
Standard Deviation	0.1%	0.1%

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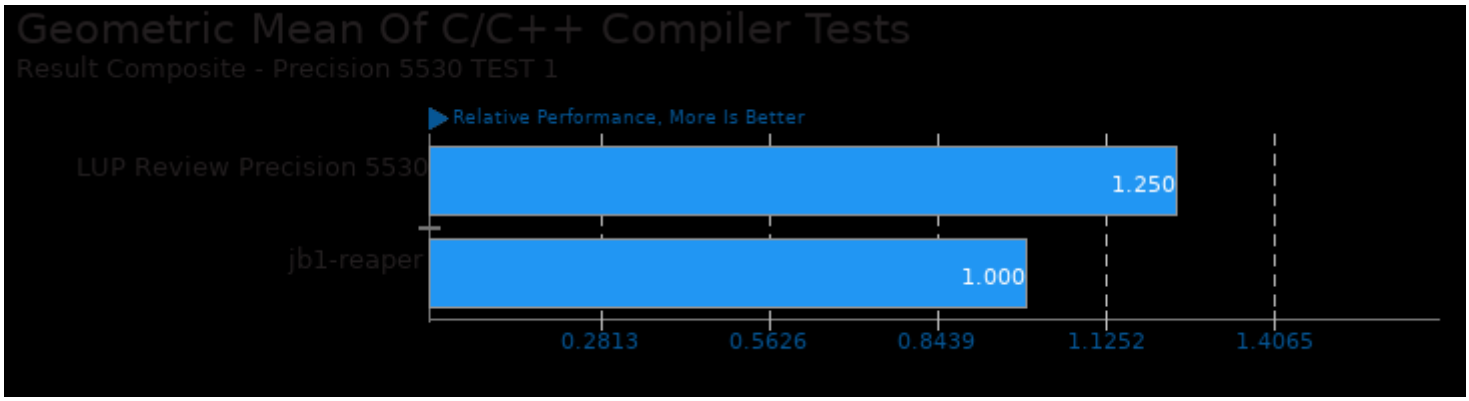


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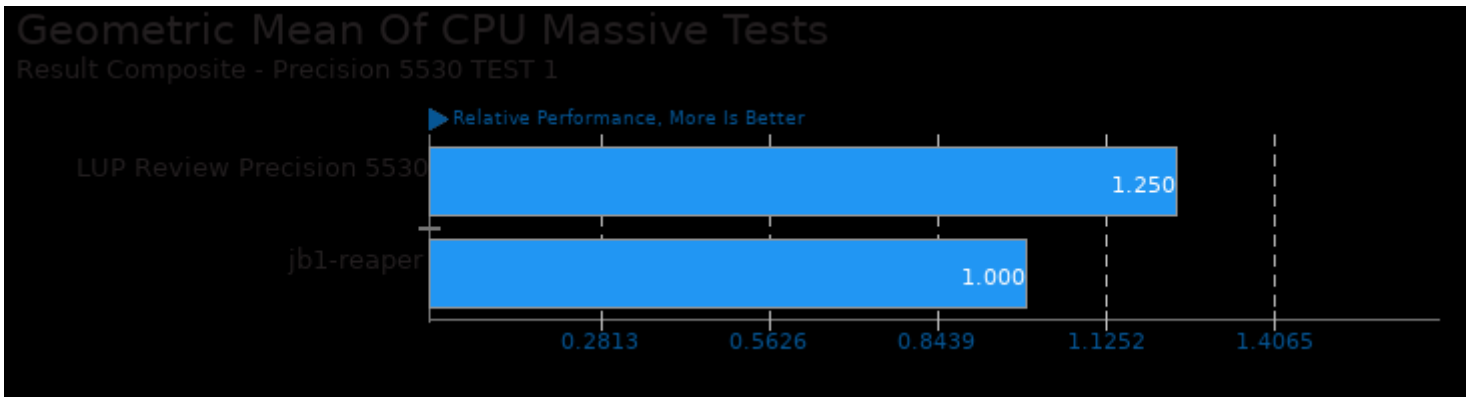
These geometric means are based upon test groupings / test suites for this result file.



Geometric mean based upon tests: pts/encode-mp3, pts/encode-flac and pts/encode-wavpack



Geometric mean based upon tests: pts/encode-mp3 and pts/encode-flac

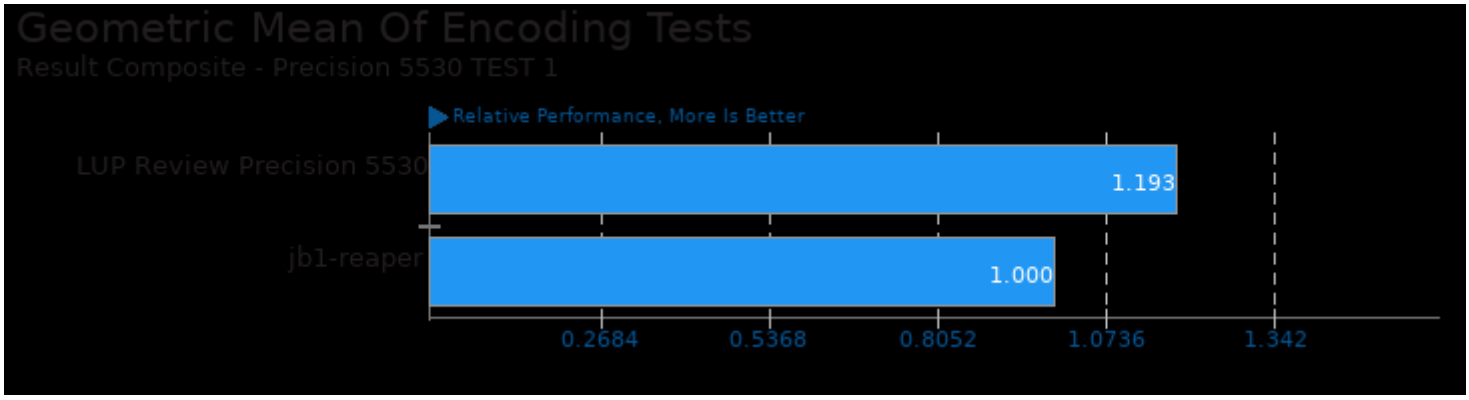


Geometric mean based upon tests: pts/encode-flac and pts/encode-mp3

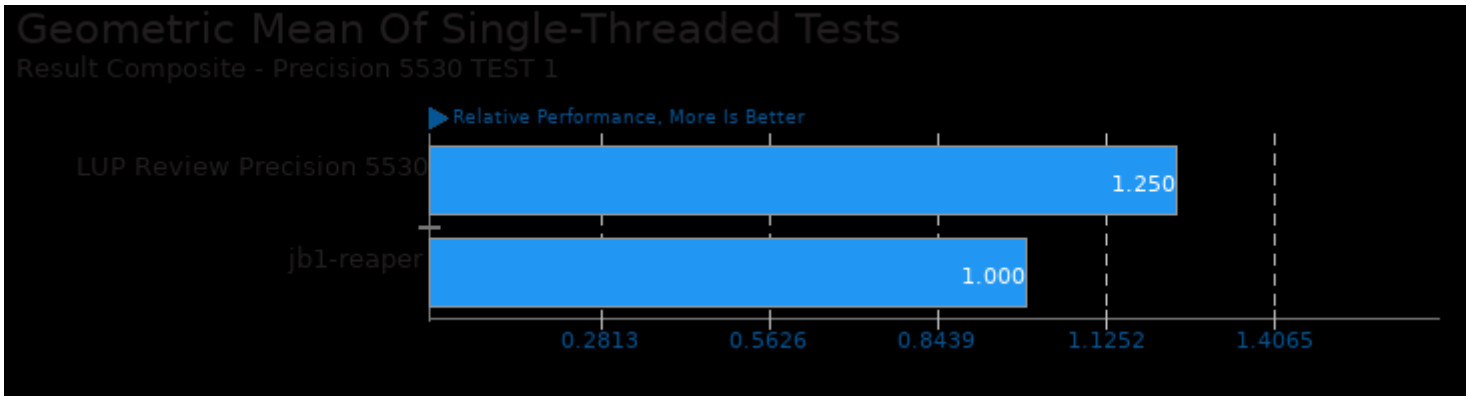
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Geometric mean based upon tests: pts/encode-mp3, pts/encode-flac and pts/encode-wavpack



Geometric mean based upon tests: pts/encode-mp3, pts/encode-flac and pts/encode-wavpack



Geometric mean based upon tests: pts/encode-flac and pts/encode-mp3

This file was automatically generated via the Phoronix Test Suite benchmarking software on Thursday, 28 March 2024 09:32.