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## LAPTOP

Intel Pentium Dual E2180 testing with a Dell 0DR845 (A22 BIOS) and ATI RV515 128MB on Ubuntu 20.04 via the Phoronix Test Suite.

### Test Systems:

#### Intel HD - Intel Core i5 450M

Processor: Intel Core i5 450M @ 2.40GHz (2 Cores / 4 Threads), Motherboard: Dell 023HKR (A16 BIOS), Chipset: Intel Core DRAM, Memory: 4096MB, Disk: 500GB TOSHIBA MK5061GS, Graphics: Intel HD 2GB, Audio: IDT 92HD81B1X5, Network: Broadcom NetXtreme BCM5761e PCIe + Intel Centrino Advanced-N 6200

OS: Ubuntu 20.04, Kernel: 5.4.0-107-generic (x86\_64), Desktop: Xfce 4.14, Display Server: X Server 1.20.13, OpenGL: 2.1 Mesa 21.2.6, Vulkan: 1.1.182, Compiler: GCC 9.4.0, File-System: ext4, Screen Resolution: 1366x768

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,objc++,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-Av3uEd/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

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--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: acpi-cpufreq ondemand (Boost: Enabled) - CPU Microcode: 0x7
Security Notes: itlb_multihit: KVM: Mitigation of Split huge pages + l1tf: Mitigation of PTE Inversion; VMX: conditional cache flushes SMT vulnerable + mds: Vulnerable: Clear buffers attempted no microcode; SMT vulnerable + meltdown: Mitigation of PTI + 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 Retpolines IBPB: conditional IBRS_FW STIBP: conditional RSB filling + srbds: Not affected + tsx_async_abort: Not affected
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## Optiplex755-E2180

Processor: Intel Pentium Dual E2180 (2 Cores), Motherboard: Dell 0DR845 (A22 BIOS), Chipset: Intel 82Q35 DRAM + ICH9DO, Memory: 4096MB, Disk: 250GB Western Digital WD2502ABYS-23B7A, Graphics: ATI RV515 128MB, Audio: Analog Devices AD1984, Monitor: 24M35, Network: Intel 82566DM-2

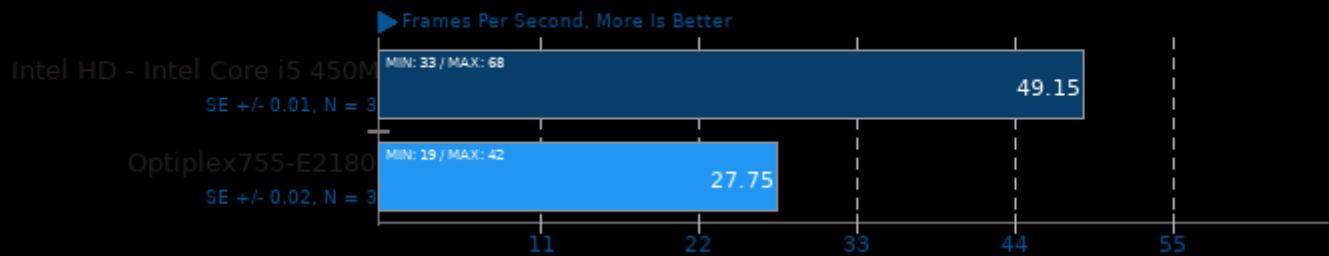
OS: Ubuntu 20.04, Kernel: 5.15.0-53-generic (x86\_64), Desktop: Xfce 4.14, Display Server: X Server 1.20.13, OpenGL: 2.1 Mesa 21.2.6, Vulkan: 1.1.182, Compiler: GCC 9.4.0, File-System: ext4, Screen Resolution: 1920x1080

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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,objc-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-Av3uEd/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: CPU Microcode: 0xa4
Graphics Notes: EXA
Security Notes: itlb_multihit: KVM: Mitigation of VMX unsupported + l1tf: Mitigation of PTE Inversion + mds: Vulnerable: Clear buffers attempted no microcode; SMT disabled + meltdown: Mitigation of PTI + mmio_stale_data: Unknown: No mitigations + rebleed: Not affected + spec_store_bypass: Vulnerable + spectre_v1: Mitigation of usercopy/swapgs barriers and __user pointer sanitization + spectre_v2: Mitigation of Retpolines STIBP: disabled RSB filling PBRSB-eIBRS: Not affected + srbds: Not affected + tsx_async_abort: Not affected
```

	Intel HD - Intel Core i5 450M	Optiplex755-E2180
Xonotic - 1366 x 768 - Low (FPS)	<b>49.1495478</b>	<b>27.7504431</b>
Normalized	100%	56.46%
Standard Deviation	0%	0.1%
FLAC Audio Encoding - WAV To FLAC (sec)	<b>44.411</b>	<b>103.034</b>
Normalized	100%	43.1%
Standard Deviation	0.4%	0.3%
GIMP - resize (sec)	<b>32.483</b>	<b>50.127</b>
Normalized	100%	64.8%
Standard Deviation	2.2%	0.2%

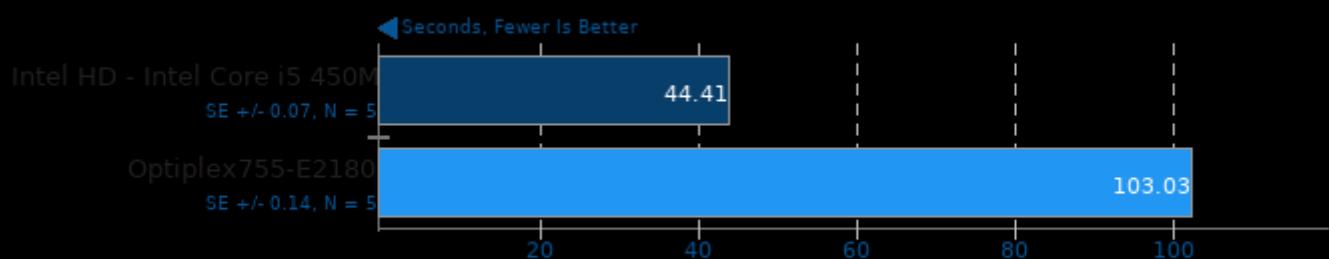
## Xonotic 0.8.2

Resolution: 1366 x 768 - Effects Quality: Low



## FLAC Audio Encoding 1.3.3

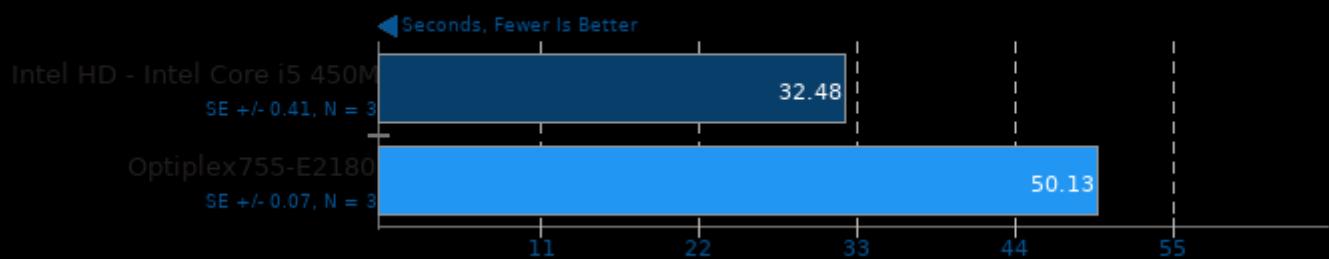
WAV To FLAC



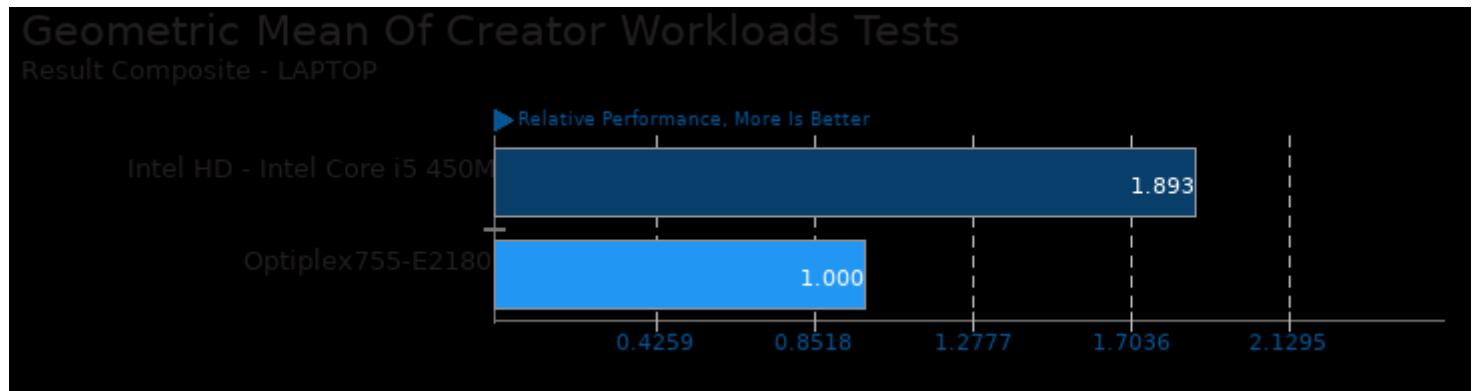
1. (CXX) g++ options: -fvisibility=hidden -lm

## GIMP 2.10.18

Test: resize



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



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

*This file was automatically generated via the Phoronix Test Suite benchmarking software on Thursday, 28 March 2024 13:05.*