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## **first-benchmark-sample**

Intel Core i5-4210M testing with a LENOVO 20BFS34A00 (GMET82WW 2.30 BIOS) and Intel HD 4600 2GB on Linuxmint 20.1 via the Phoronix Test Suite.

### **Test Systems:**

#### **benchmark-sample**

Processor: AMD Ryzen 9 3900X 12-Core @ 3.80GHz (12 Cores / 24 Threads), Motherboard: ASUS TUF GAMING X570-PLUS (WI-FI) (2802 BIOS), Chipset: AMD Starship/Matisse, Memory: 126GB, Disk: 2 x 1000GB Samsung SSD 970 EVO Plus 1TB + 2 x 500GB Western Digital WDBNCE5000P, Graphics: llvmpipe, Audio: AMD Navi 10 HDMI Audio, Network: Realtek RTL8111/8168/8411 + Intel-AC 9260

OS: Debian 10, Kernel: 4.9.0-14-amd64 (x86\_64), Desktop: LXDE 0.10.0, Display Server: X Server 1.19.2, Display Driver: modesetting 1.19.2, OpenGL: 3.3 Mesa 18.3.6 (LLVM 7.0 128 bits), Compiler: GCC 8.3.0 + Open64 PARSE ERROR: Argument:-dumpversion Couldn't find match for argumentBrief USAGE: opencc [--noflush] [-i] [-o] [-c] [--] [-version] [-h]For complete USAGE and HELP type: opencc--help, File-System: ext4, Screen Resolution: 1680x1050

Compiler Notes: --build=x86\_64-linux-gnu --disable-vtable-verify --disable-werror --enable-bootstrap --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-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: acpi-cpufreq ondemand (Boost: Enabled) - CPU Microcode: 0x8701021

Python Notes: Python 2.7.16 + Python 3.7.3

Security Notes: itlb\_multihit: Not affected + 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 Full AMD retpoline IBPB: conditional STIBP: conditional RSB filling + srbds: Not affected + tsx\_async\_abort: Not affected

## mint

Processor: Intel Core i5-4210M @ 3.20GHz (2 Cores / 4 Threads), Motherboard: LENOVO 20BFS34A00 (GMET82WW 2.30 BIOS), Chipset: Intel Xeon E3-1200 v3/4th, Memory: 16GB, Disk: 250GB Crucial CT250MX2, Graphics: Intel HD 4600 2GB (1150MHz), Audio: Intel Xeon E3-1200 v3/4th, Monitor: PL2473HD, Network: Intel I217-LM + Intel 7260

OS: Linuxmint 20.1, Kernel: 5.4.0-58-generic (x86\_64), Desktop: Cinnamon 4.8.6, Display Server: X Server 1.20.9, Display Driver: modesetting 1.20.9, OpenGL: 4.5 Mesa 20.2.6, Vulkan: 1.2.145, Compiler: GCC 9.3.0, File-System: ext4, Screen Resolution: 1920x1080

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-objc=gc=auto --enable-offload-targets=nvptx-none=/build/gcc-9-HskZEa/gcc-9-9.3.0/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

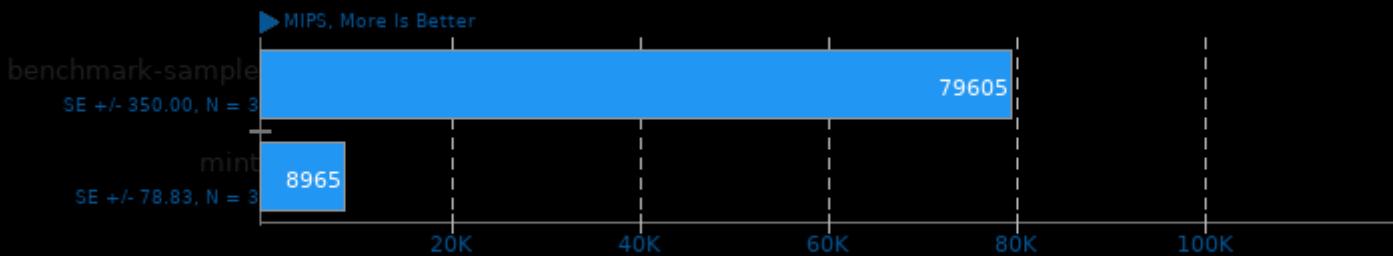
Processor Notes: Scaling Governor: intel\_pstate powersave - CPU Microcode: 0x28 - Thermal 1.9.1

Security Notes: itlb\_multihit: KVM: Mitigation of Split huge pages + l1tf: Mitigation of PTE Inversion; VMX: conditional cache flushes SMT vulnerable + mds: Mitigation of Clear buffers; 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 Full generic retpoline IBPB: conditional IBRS\_FW STIBP: conditional RSB filling + srbds: Mitigation of Microcode + tsx\_async\_abort: Not affected

	benchmark-sample	mint
<b>7-Zip Compression - C.S.T (MIPS)</b>	<b>79605</b>	<b>8965</b>
Normalized	100%	11.26%
Standard Deviation	0.8%	1.5%
<b>Gzip Compression - 2.F.C (sec)</b>	<b>9.302</b>	<b>13.098</b>
Normalized	100%	71.02%
Standard Deviation	0.9%	1.3%
<b>Timed MPlayer Compilation - Time To Compile (sec)</b>	<b>11.616</b>	<b>124.264</b>
Normalized	100%	9.35%
Standard Deviation	1.7%	6.4%
<b>Timed PHP Compilation - Time To Compile (sec)</b>	<b>11.008</b>	<b>76.249</b>
Normalized	100%	14.44%
Standard Deviation	0.9%	5.4%

## 7-Zip Compression 9.20.1

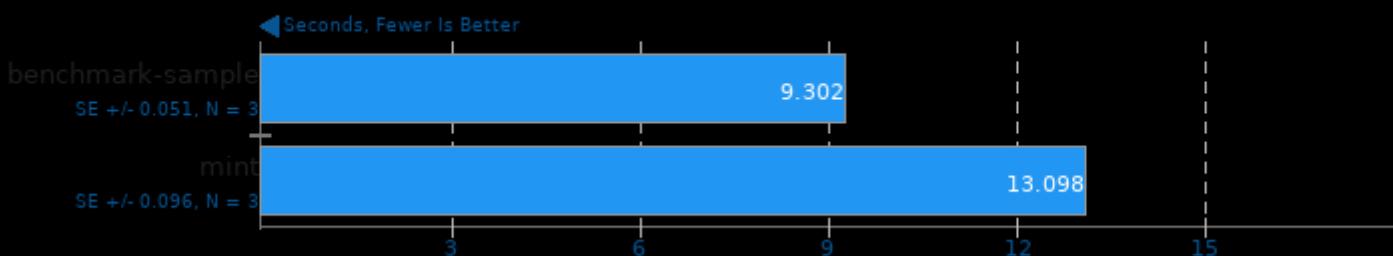
Compress Speed Test



1. (CXX) g++ options: -pipe -lpthread

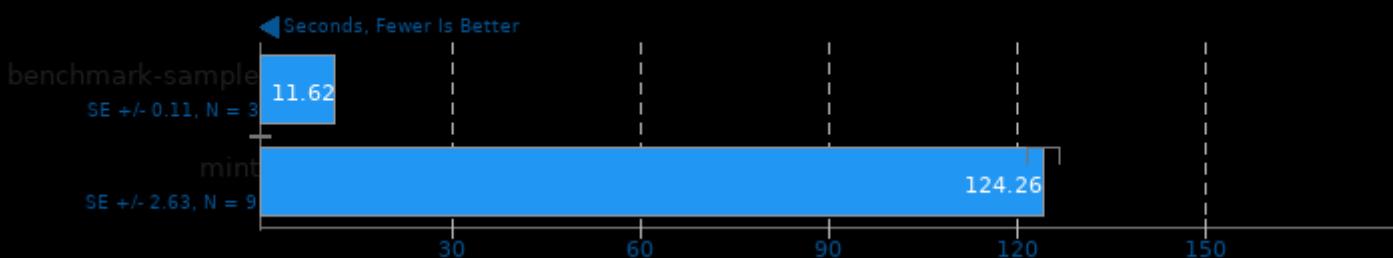
## Gzip Compression

2GB File Compression



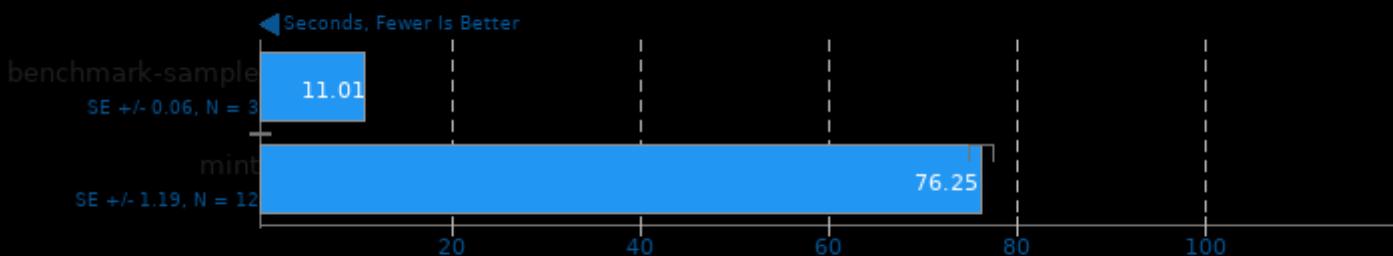
## Timed MPlayer Compilation 1.0-rc3

Time To Compile



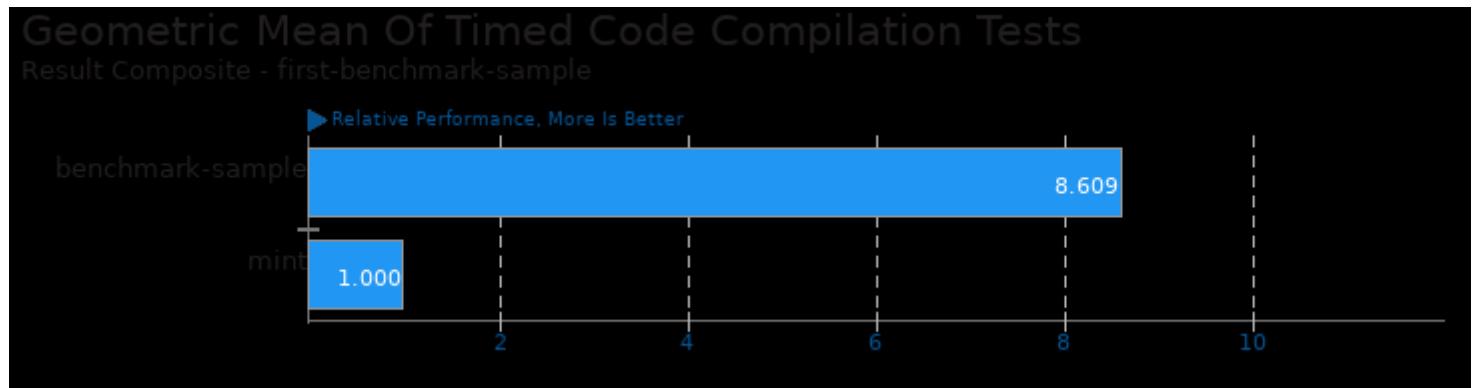
## Timed PHP Compilation 5.2.9

Time To Compile

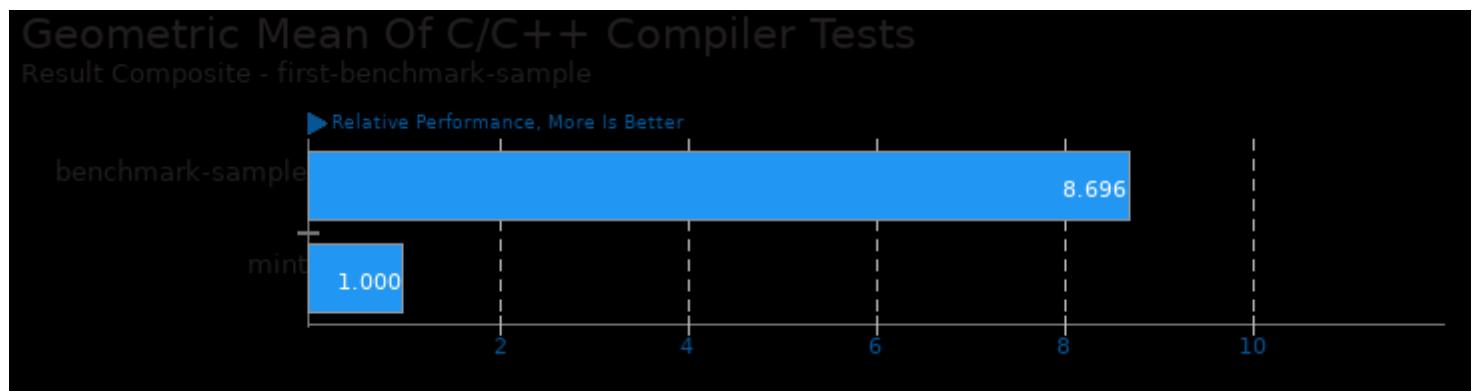


1. (CC) gcc options: -O2 -pedantic -ldl -lm

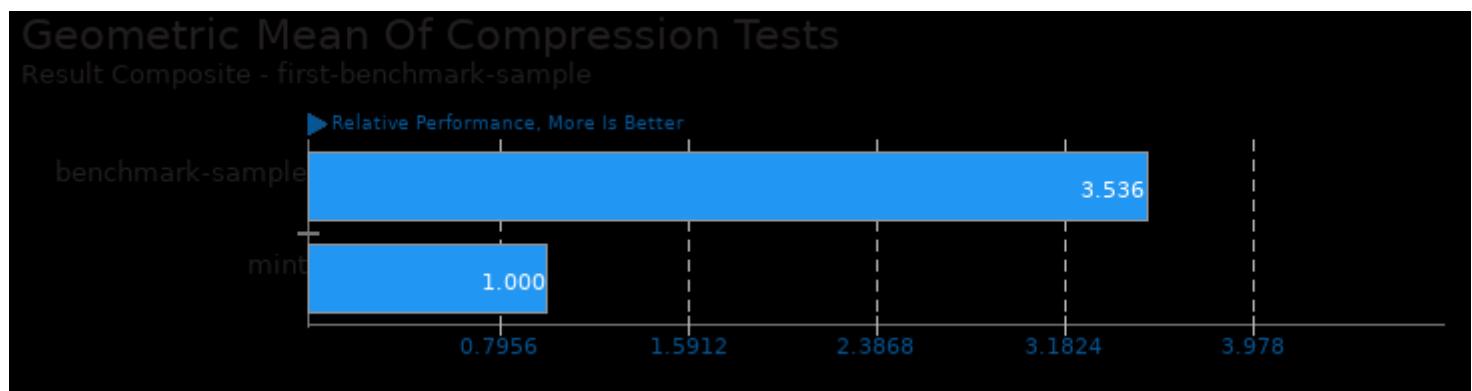
These geometric means are based upon test groupings / test suites for this result file.



Geometric mean based upon tests: pts/build-php and pts/build-mplayer



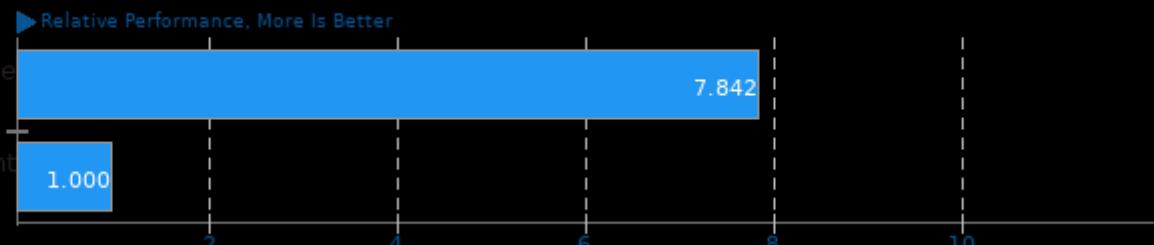
Geometric mean based upon tests: pts/build-php, pts/compress-7zip and pts/build-mplayer



Geometric mean based upon tests: pts/compress-7zip and pts/compress-gzip

## Geometric Mean Of CPU Massive Tests

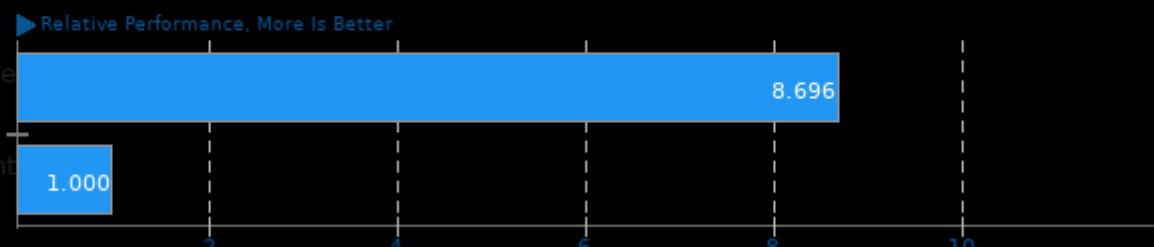
Result Composite - first-benchmark-sample



Geometric mean based upon tests: pts/build-php and pts/compress-7zip

## Geometric Mean Of Multi-Core Tests

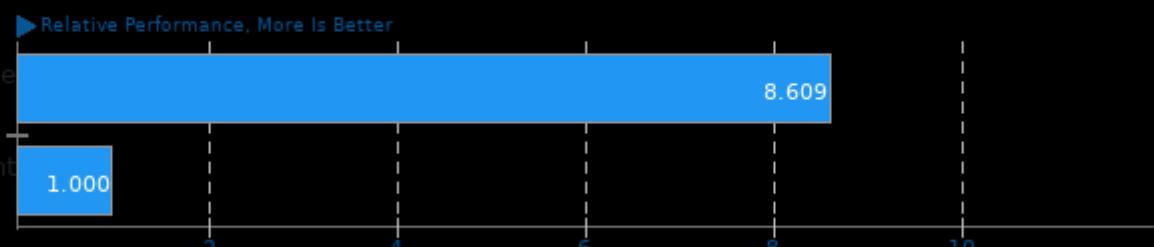
Result Composite - first-benchmark-sample



Geometric mean based upon tests: pts/compress-7zip, pts/build-php and pts/build-mplayer

## Geometric Mean Of Programmer / Developer System Benchmarks Tests

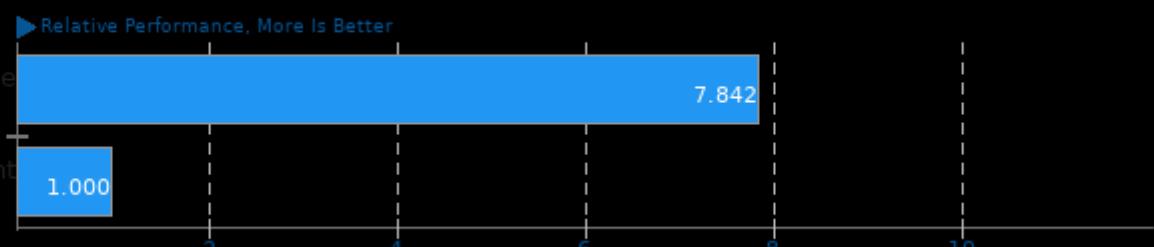
Result Composite - first-benchmark-sample



Geometric mean based upon tests: pts/build-php and pts/build-mplayer

## Geometric Mean Of Server CPU Tests

Result Composite - first-benchmark-sample



Geometric mean based upon tests: pts/compress-7zip and pts/build-php

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*This file was automatically generated via the Phoronix Test Suite benchmarking software on Thursday, 28 March 2024 09:21.*