

www.phoronix-test-suite.com

5950x_debian

AMD Ryzen 9 5950X 16-Core testing with a ASRock X570 Pro4 (P4.00 BIOS) and Zotac NVIDIA GeForce GTX 1070 Ti 8GB on Debian 10 via the Phoronix Test Suite.

Test Systems:

colindean_5950x_1070ti_debian_20210502

Processor: AMD Ryzen 9 5950X 16-Core @ 3.40GHz (16 Cores / 32 Threads), Motherboard: ASRock X570 Pro4 (P4.00 BIOS), Chipset: AMD Starship/Matisse, Memory: 32GB, Disk: 1000GB Western Digital WDS100T2B0C-00PXH0, Graphics: Zotac NVIDIA GeForce GTX 1070 Ti 8GB, Audio: NVIDIA GP104 HD Audio, Monitor: 34GN850, Network: Intel I211

OS: Debian 10, Kernel: 4.19.0-16-amd64 (x86_64), Desktop: GNOME Shell 3.30.2, Display Server: X Server 1.20.4, Display Driver: NVIDIA 418.181.07, OpenGL: 4.6.0, Vulkan: 1.1.95, Compiler: GCC 8.3.0, File-System: ext4, Screen Resolution: 3440x1440

Kernel Notes: Transparent Huge Pages: always
Compiler Notes: --build=x86_64-linux-gnu --disable-vtable-verify --disable-werror --enable-bootstrap --enable-checking=release --enable-clocale=gnu --enable-default-pie

5950x_debian

--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 / Block Size: 4096
Processor Notes: Scaling Governor: acpi-cpufreq ondemand (Boost: Enabled) - CPU Microcode: 0xa201009
OpenCL Notes: GPU Compute Cores: 2432
Java Notes: OpenJDK Runtime Environment (build 11.0.11+9-post-Debian-1deb10u1)
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 IBRS_FW STIBP: always-on RSB filling + srbds: Not affected + tsx_async_abort: Not affected

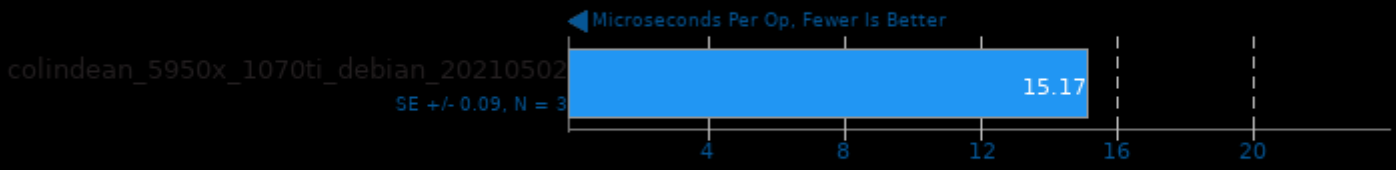
	colindean_5950x_1070ti_debian_20210502
LevelDB - Hot Read (us/Op)	15.165
Standard Deviation	1%
LevelDB - Fill Sync (MB/s)	3.5
Standard Deviation	2.4%
LevelDB - Fill Sync (us/Op)	1015
Standard Deviation	2.6%
LevelDB - Overwrite (MB/s)	59.5
Standard Deviation	1.9%
LevelDB - Overwrite (us/Op)	59.456
Standard Deviation	1.9%
LevelDB - Rand Fill (MB/s)	60.0
Standard Deviation	0.8%
LevelDB - Rand Fill (us/Op)	58.880
Standard Deviation	0.8%
LevelDB - Rand Read (us/Op)	15.108
Standard Deviation	1.3%
LevelDB - Seek Rand (us/Op)	23.288
Standard Deviation	0.5%
LevelDB - Rand Delete (us/Op)	56.837
Standard Deviation	1.2%
LevelDB - Seq Fill (MB/s)	62.7
Standard Deviation	2.3%
LevelDB - Seq Fill (us/Op)	56.430
Standard Deviation	2.4%
SQLite - 1 (sec)	7.805
Standard Deviation	0.5%
SQLite - 8 (sec)	29.905
Standard Deviation	0.5%
SQLite - 32 (sec)	98.284
Standard Deviation	12.4%
Timed Apache Compilation - Time To Compile (sec)	13.491
Standard Deviation	0.7%
Timed FFmpeg Compilation - Time To Compile (sec)	29.448
Standard Deviation	0.6%
Timed GCC Compilation - Time To Compile (sec)	592.155
Standard Deviation	0.2%
Timed GDB GNU Debugger Compilation - Time To Compile (sec)	57.701
Standard Deviation	0.3%

5950x_debian

Timed Godot Game Engine Compilation - Time To Compile (sec)	67.433
Standard Deviation	0.5%
Timed ImageMagick Compilation - Time To Compile (sec)	19.540
Standard Deviation	1.1%
Timed Linux Kernel Compilation - Time To Compile (sec)	42.891
Standard Deviation	1.3%
Timed LLVM Compilation - Ninja (sec)	335.803
Standard Deviation	0%
Timed LLVM Compilation - Unix Makefiles (sec)	354.662
Standard Deviation	0.8%
Timed MPlayer Compilation - Time To Compile (sec)	16.632
Standard Deviation	0.3%
Timed Node.js Compilation - Time To Compile (sec)	209.406
Standard Deviation	0.1%
Timed PHP Compilation - Time To Compile (sec)	33.595
Standard Deviation	0.3%
Build2 - Time To Compile (sec)	57.371
Standard Deviation	0.5%
Timed Eigen Compilation - Time To Compile (sec)	49.201
Standard Deviation	0.4%
Timed Erlang/OTP Compilation - Time To Compile (sec)	88.610
Standard Deviation	0.1%

LevelDB 1.22

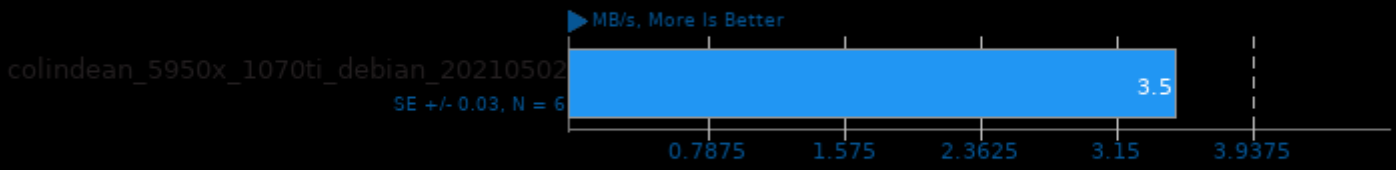
Benchmark: Hot Read



1. (CXX) g++ options: -O3 -lsnappy -lpthread

LevelDB 1.22

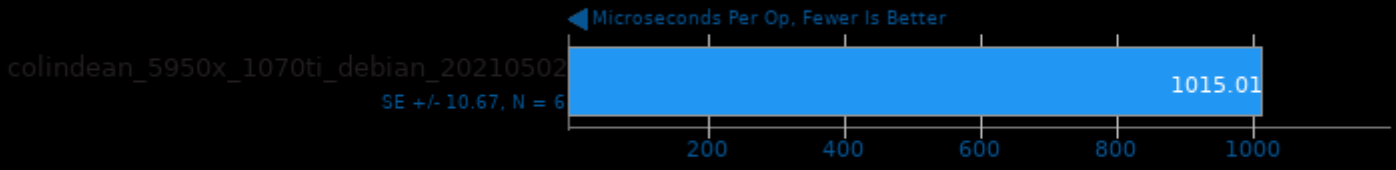
Benchmark: Fill Sync



1. (CXX) g++ options: -O3 -lsnappy -lpthread

LevelDB 1.22

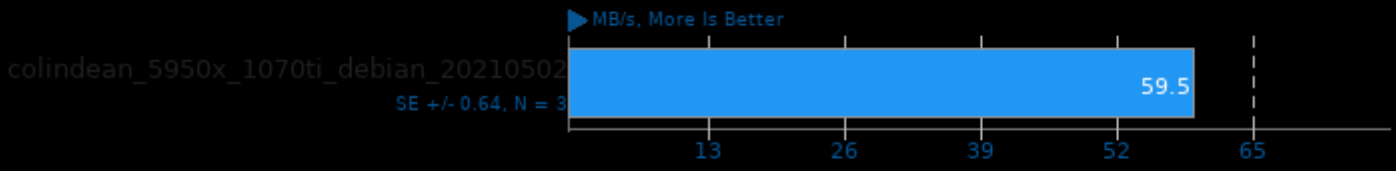
Benchmark: Fill Sync



1. (CXX) g++ options: -O3 -lsnappy -lpthread

LevelDB 1.22

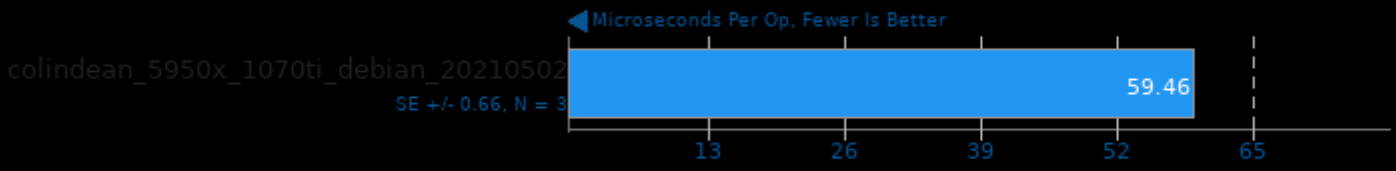
Benchmark: Overwrite



1. (CXX) g++ options: -O3 -lsnappy -lpthread

LevelDB 1.22

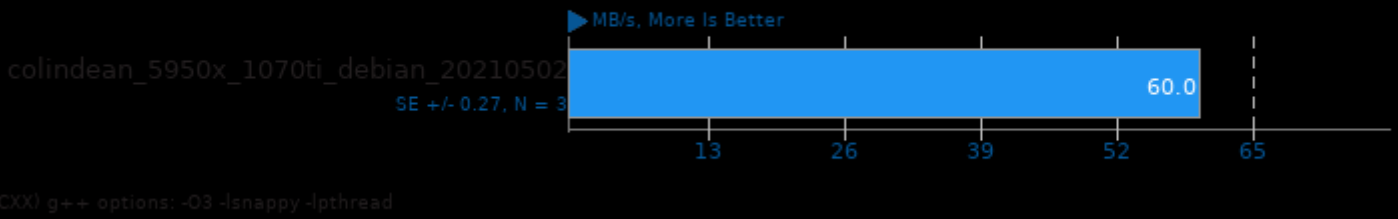
Benchmark: Overwrite



1. (CXX) g++ options: -O3 -lsnappy -lpthread

LevelDB 1.22

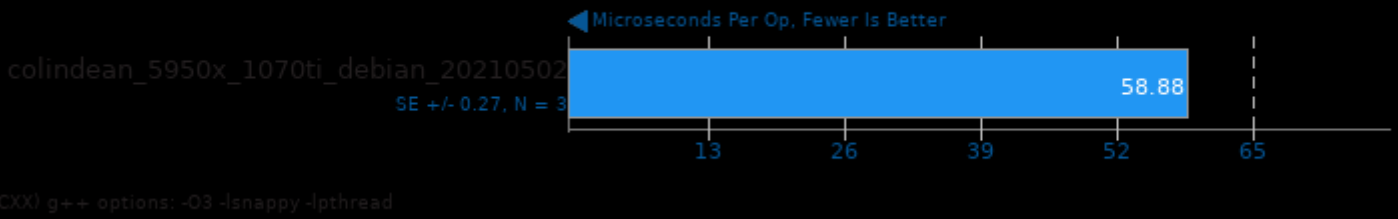
Benchmark: Random Fill



1. (CXX) g++ options: -O3 -lsnappy -lpthread

LevelDB 1.22

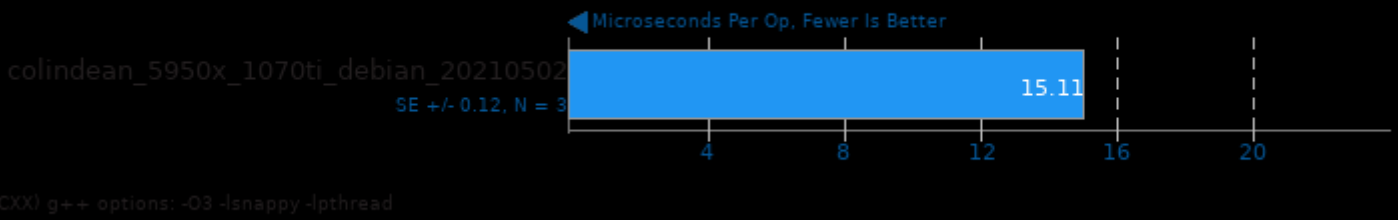
Benchmark: Random Fill



1. (CXX) g++ options: -O3 -lsnappy -lpthread

LevelDB 1.22

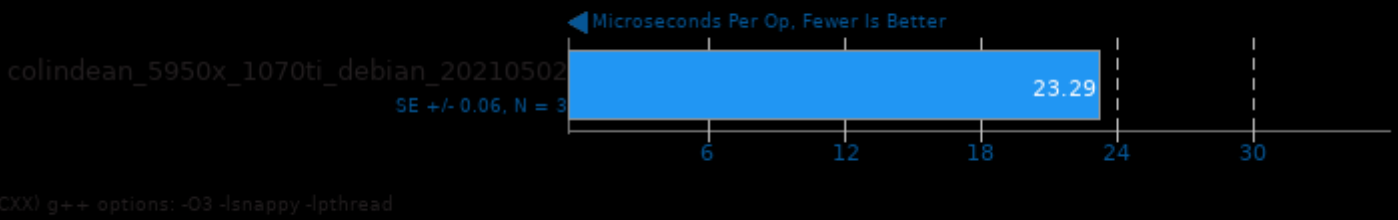
Benchmark: Random Read



1. (CXX) g++ options: -O3 -lsnappy -lpthread

LevelDB 1.22

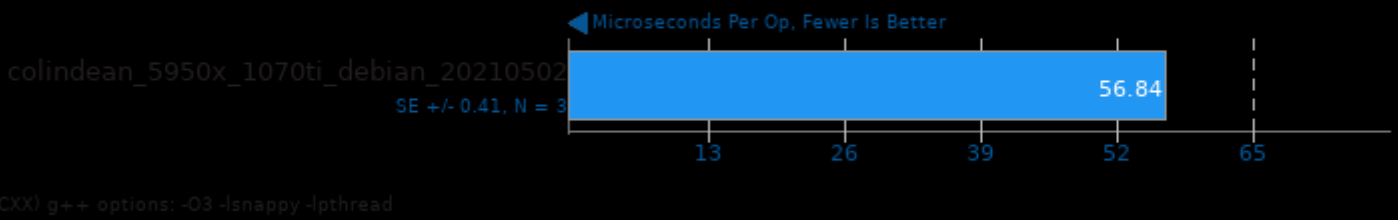
Benchmark: Seek Random



1. (CXX) g++ options: -O3 -lsnappy -lpthread

LevelDB 1.22

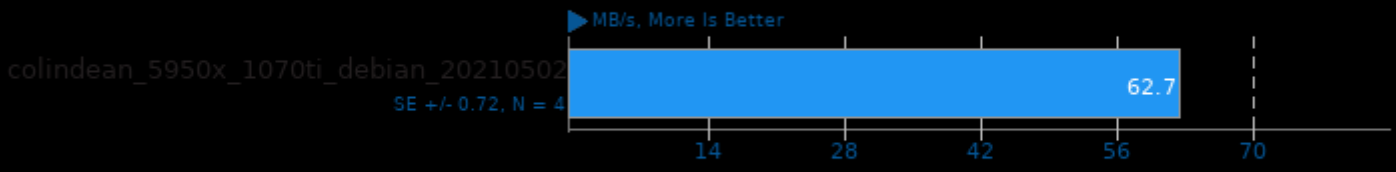
Benchmark: Random Delete



1. (CXX) g++ options: -O3 -lsnappy -lpthread

LevelDB 1.22

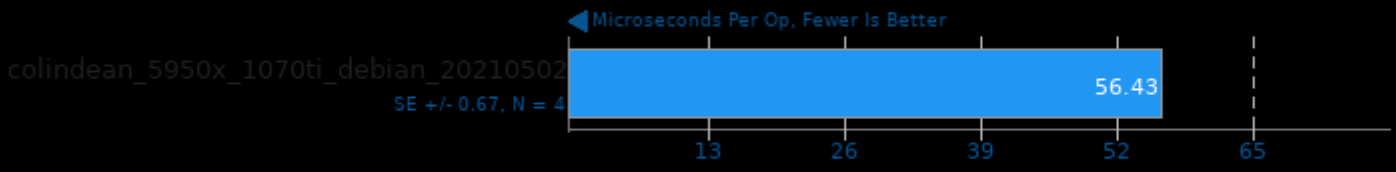
Benchmark: Sequential Fill



1. (CXX) g++ options: -O3 -lsnappy -lpthread

LevelDB 1.22

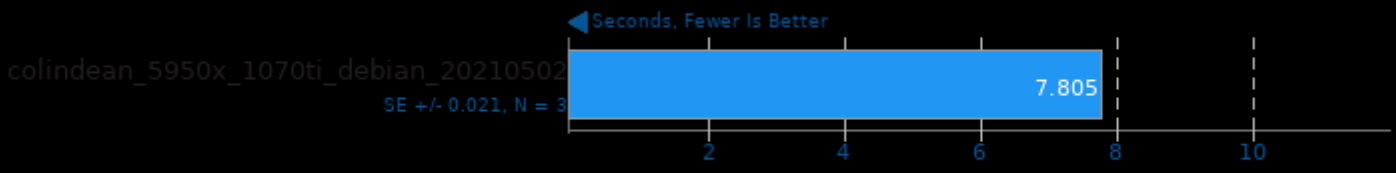
Benchmark: Sequential Fill



1. (CXX) g++ options: -O3 -lsnappy -lpthread

SQLite 3.30.1

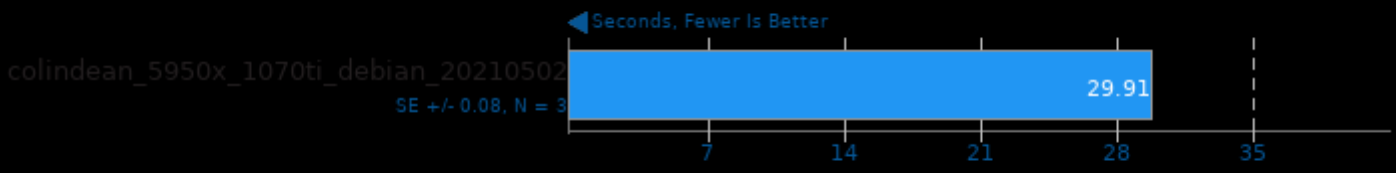
Threads / Copies: 1



1. (CC) gcc options: -O2 -lreadline -ltermcap -lz -lm -ldl -lpthread

SQLite 3.30.1

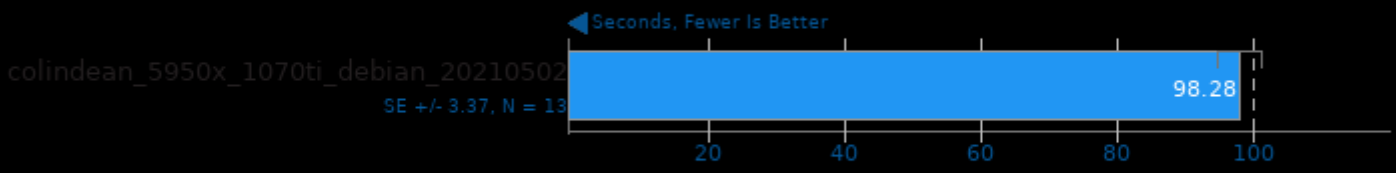
Threads / Copies: 8



1. (CC) gcc options: -O2 -lreadline -ltermcap -lz -lm -ldl -lpthread

SQLite 3.30.1

Threads / Copies: 32

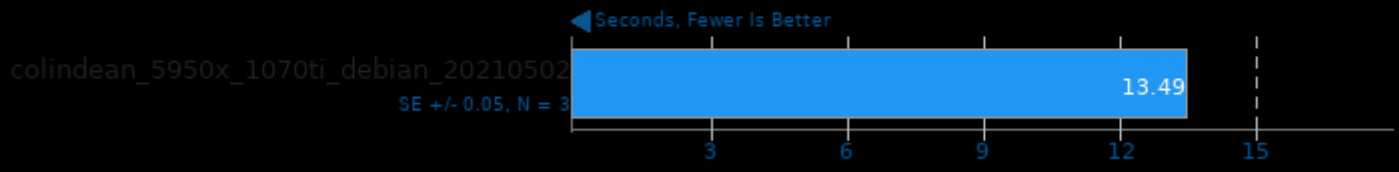


1. (CC) gcc options: -O2 -lreadline -ltermcap -lz -lm -ldl -lpthread

5950x_debian

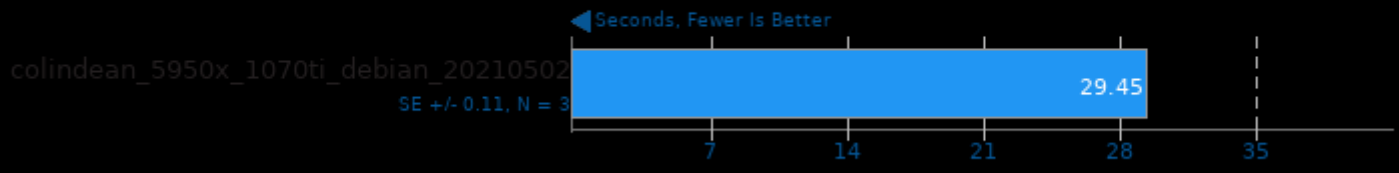
Timed Apache Compilation 2.4.41

Time To Compile



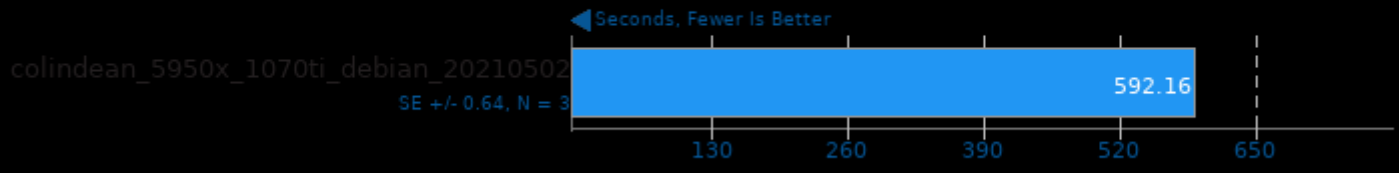
Timed FFmpeg Compilation 4.2.2

Time To Compile



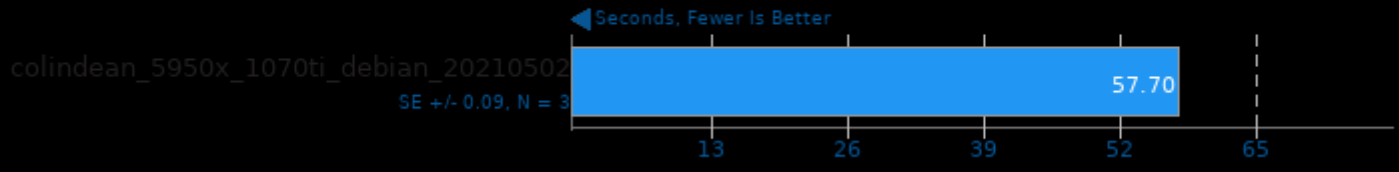
Timed GCC Compilation 9.3.0

Time To Compile



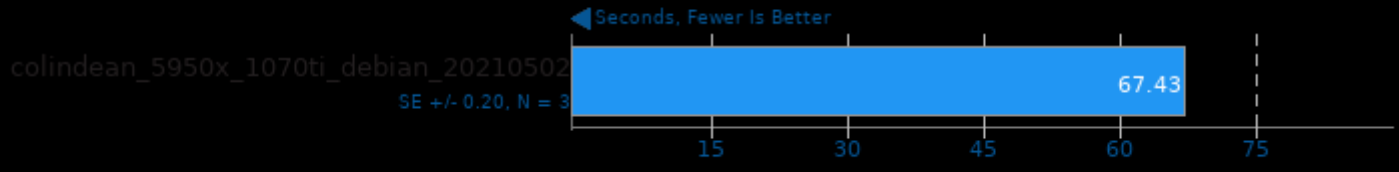
Timed GDB GNU Debugger Compilation 9.1

Time To Compile



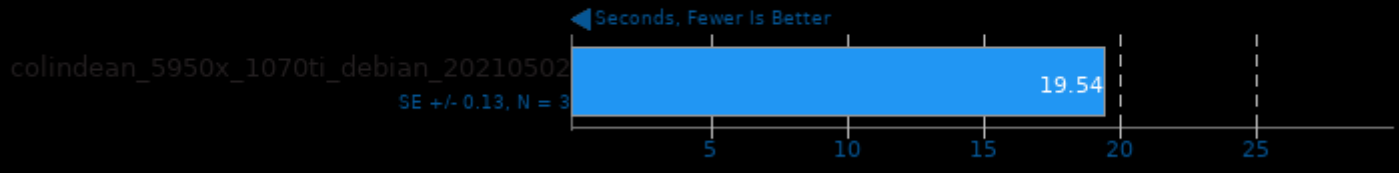
Timed Godot Game Engine Compilation 3.2.3

Time To Compile



Timed ImageMagick Compilation 6.9.0

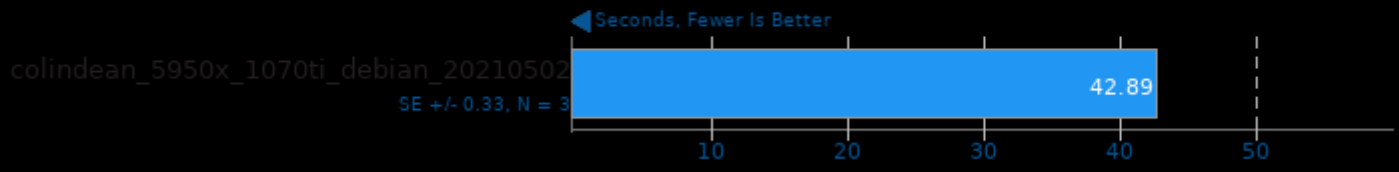
Time To Compile



5950x_debian

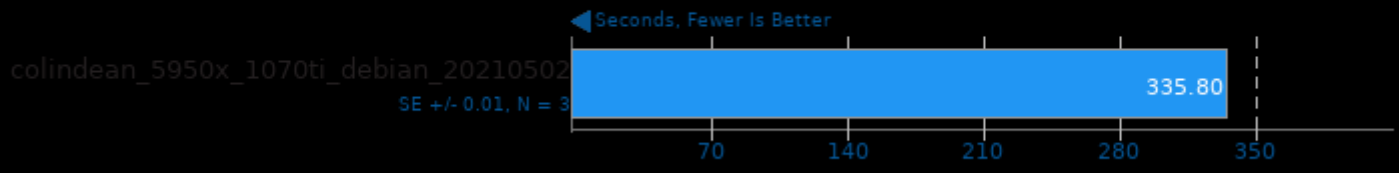
Timed Linux Kernel Compilation 5.10.20

Time To Compile



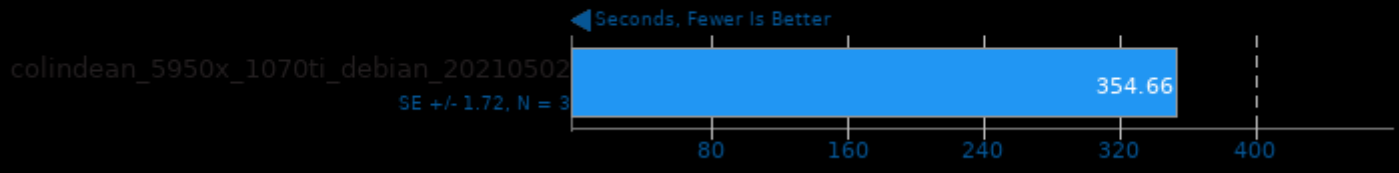
Timed LLVM Compilation 12.0

Build System: Ninja



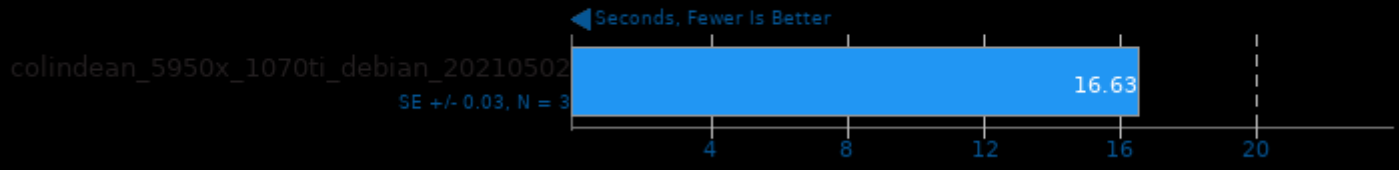
Timed LLVM Compilation 12.0

Build System: Unix Makefiles



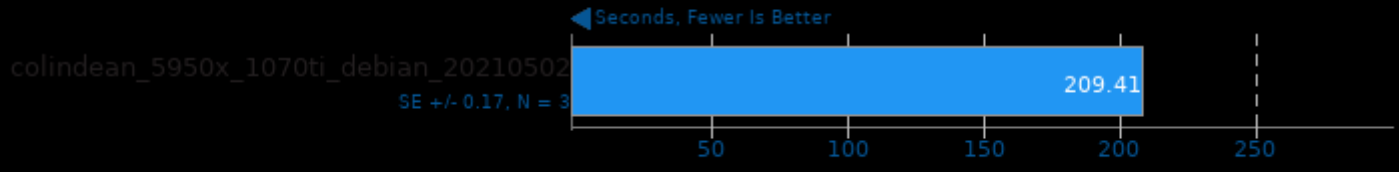
Timed MPlayer Compilation 1.4

Time To Compile



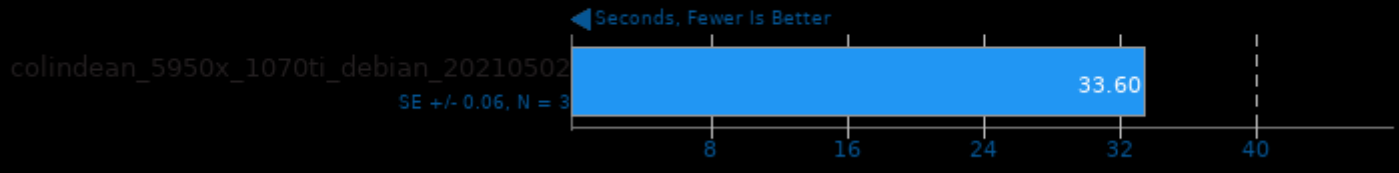
Timed Node.js Compilation 15.11

Time To Compile

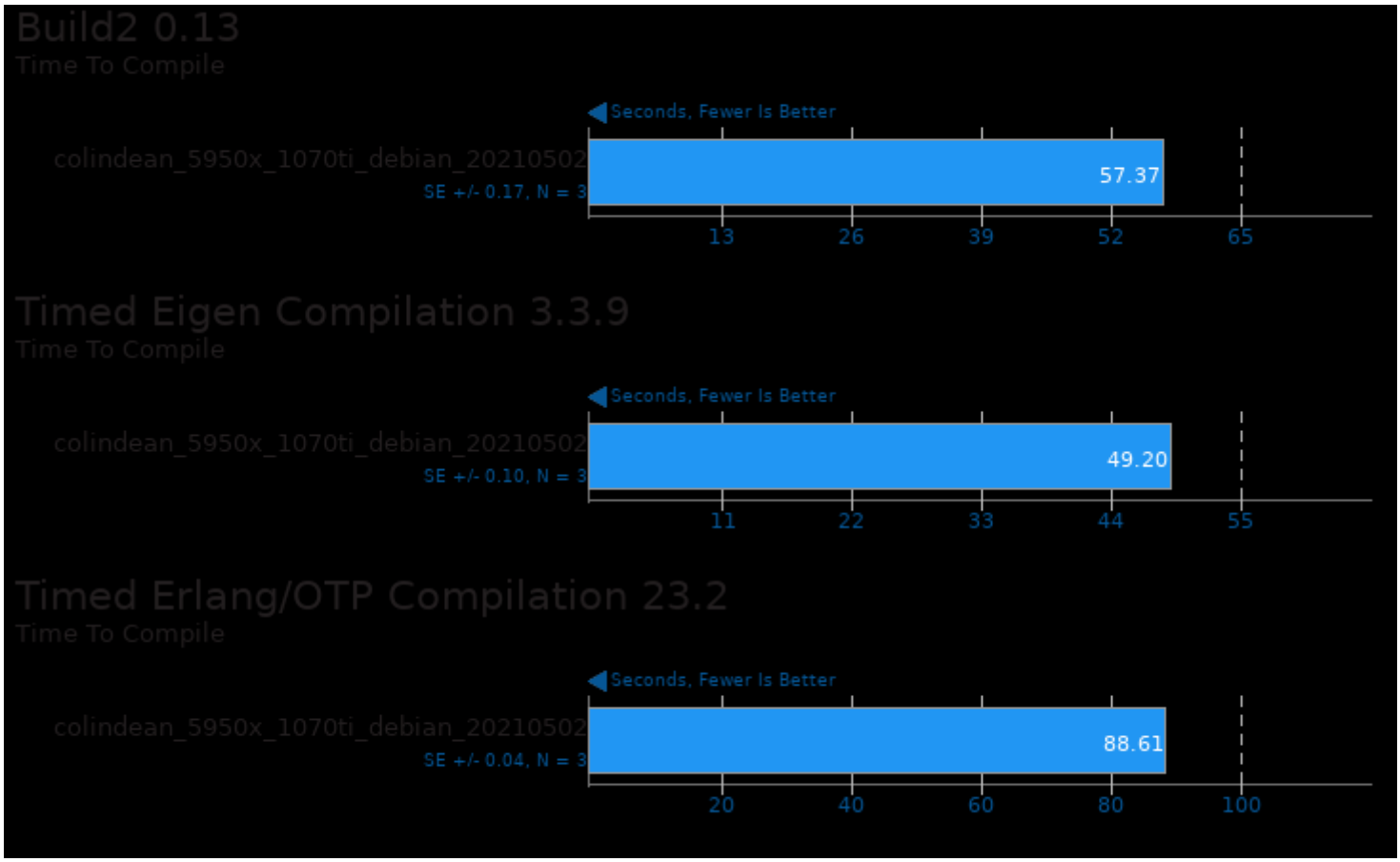


Timed PHP Compilation 7.4.2

Time To Compile



5950x_debian



This file was automatically generated via the Phoronix Test Suite benchmarking software on Friday, 29 March 2024 09:52.