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i7 6800K Debian

Intel Core i7-6800K testing with a MSI X99A WORKSTATION (MS-7A54) v1.0 (1.10 BIOS) and Zotac NVIDIA GeForce GTX 1050 2GB on Debian 10 via the Phoronix Test Suite.

Automated Executive Summary

Repeat had the most wins, coming in first place for 40% of the tests.

Based on the geometric mean of all complete results, the fastest (Debian 10 Buster) was 1.001x the speed of the slowest (Debian 10). Debian 10 Buster was 1x the speed of Repeat and Debian 10 was 0.999x the speed of Debian 10 Buster.

The results with the greatest spread from best to worst included:

Zstd Compression (Compression Level: 19) at 1.111x
NCNN (Target: CPU - Model: blazeface) at 1.035x
OSBench (Test: Memory Allocations) at 1.031x
WebP Image Encode (Encode Settings: Quality 100, Lossless) at 1.03x
Incompact3D (Input: Cylinder) at 1.028x
NCNN (Target: CPU - Model: squeezenet_int8) at 1.026x
doraw (RAW To PPM Image Conversion) at 1.023x
OSBench (Test: Launch Programs) at 1.022x

eSpeak-NG Speech Engine (Text-To-Speech Synthesis) at 1.02x
 WebP Image Encode (Encode Settings: Default) at 1.017x.

Test Systems:

Debian 10

Debian 10 Buster

Repeat

Processor: Intel Core i7-6800K @ 3.80GHz (6 Cores / 12 Threads), Motherboard: MSI X99A WORKSTATION (MS-7A54) v1.0 (1.10 BIOS), Chipset: Intel Xeon E7 v4/Xeon, Memory: 16GB, Disk: 120GB TOSHIBA TR150, Graphics: Zotac NVIDIA GeForce GTX 1050 2GB, Audio: Realtek ALC1150, Monitor: G237HL, Network: Intel I218-LM + Intel I210

OS: Debian 10, Kernel: 4.19.0-10-amd64 (x86_64), Desktop: GNOME Shell 3.30.2, Display Server: X Server 1.20.4 + Wayland, Display Driver: modesetting 1.20.4, Compiler: GCC 8.3.0, File-System: ext4, Screen Resolution: 1920x1080

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-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 - CPU Microcode: 0xb000002e

Python Notes: Python 2.7.16 + Python 3.7.3

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 Full generic retpoline IBPB: conditional IBRS_FW STIBP: conditional RSB filling + srbs: Not affected + tsx_async_abort: Vulnerable: Clear buffers attempted no microcode; SMT vulnerable

	Debian 10	Debian 10 Buster	Repeat
AOM AV1 - Speed 0 Two-Pass (FPS)	0.24	0.24	0.24
Standard Deviation	2.4%	2.4%	2.4%
AOM AV1 - Speed 4 Two-Pass (FPS)	1.83	1.83	1.83
Standard Deviation	0.3%	0.3%	0.3%
AOM AV1 - Speed 6 Realtime (FPS)	14.61	14.67	14.73
Normalized	99.19%	99.59%	100%
Standard Deviation	1.3%	0.7%	0.5%
AOM AV1 - Speed 6 Two-Pass (FPS)	2.88	2.90	2.90
Normalized	99.31%	100%	100%
Standard Deviation	0.5%	0.7%	0.3%
AOM AV1 - Speed 8 Realtime (FPS)	30.50	30.66	30.52
Normalized	99.48%	100%	99.54%
Standard Deviation	0.2%	1.4%	0.5%
Blender - BMW27 - CPU-Only (sec)	259.45	260.13	259.34
Normalized	99.96%	99.7%	100%
Standard Deviation	0.3%	0.4%	0.1%

Blender - Classroom - CPU-Only (sec)	786.59	796.08	790.46
Normalized	100%	98.81%	99.51%
Standard Deviation	0.2%	0.7%	0.6%
Blender - Fishy Cat - CPU-Only (sec)	364.79	366.18	364.20
Normalized	99.84%	99.46%	100%
Standard Deviation	0.1%	0.2%	0.2%
Blender - Barbershop - CPU-Only (sec)	1053	1045	1048
Normalized	99.28%	100%	99.76%
Standard Deviation	1.1%	0.1%	0.1%
Blender - Pabellon Barcelona - CPU-Only	876.25	872.30	876.86
Normalized	99.55%	100%	99.48%
Standard Deviation	0.1%	0.4%	0.1%
ddraw - R.T.P.I.C (sec)	48.356	49.476	49.447
Normalized	100%	97.74%	97.79%
Standard Deviation	2.8%	0%	0.2%
eSpeak-NG Speech Engine - T.T.S.S (sec)	39.383	38.614	39.052
Normalized	98.05%	100%	98.88%
Standard Deviation	3%	2%	2.8%
GPAW - Carbon Nanotube (sec)	436.433	436.385	436.322
Normalized	99.97%	99.99%	100%
Standard Deviation	0.1%	0.1%	0.3%
Incompact3D - Cylinder (sec)	535.034912	550.102097	536.131409
Normalized	100%	97.26%	99.8%
Standard Deviation	0.4%	2.6%	0.2%
InfluxDB - 4 - 10000 - 2,5000,1 - 10000	902054	904699	902556
Normalized	99.71%	100%	99.76%
Standard Deviation	2.7%	2.6%	2.2%
InfluxDB - 64 - 10000 - 2,5000,1 - 10000	983617 (val/sec)	977784	990405
Normalized	99.31%	98.73%	100%
Standard Deviation	1.2%	2.7%	2.1%
InfluxDB - 1024 - 10000 - 2,5000,1 - 10000	1089453	1096129 (val/sec)	1099269
Normalized	99.11%	99.71%	100%
Standard Deviation	1.5%	0.2%	1%
Kripke (Throughput FoM)	3130019	3527303	3145270
Normalized	88.74%	100%	89.17%
Standard Deviation	1.1%	25.2%	2.8%
LAMMPS Molecular Dynamics Simulator - 20k Atoms (ns/day)	4.050	4.060	4.050
Normalized	99.75%	100%	99.75%
Standard Deviation	0.5%	0.4%	0.2%
LAMMPS Molecular Dynamics Simulator - Rhodopsin Protein (ns/day)	4.247	4.231	4.246
Normalized	100%	99.62%	99.98%
Standard Deviation	0.5%	0.6%	0.3%
LibRaw - P.P.B (Mpix/sec)	30.31	30.37	30.26
Normalized	99.8%	100%	99.64%
Standard Deviation	1%	1.4%	1.2%
Mobile Neural Network - SqueezeNetV1.0	7.681	7.687	7.704
Normalized	100%	99.92%	99.7%
Standard Deviation	0.7%	0.8%	0.3%
Mobile Neural Network - resnet-v2-50 (ms)	40.059	39.918	40.129
Normalized	99.65%	100%	99.47%
Standard Deviation	1.5%	1.1%	1.5%

Mobile Neural Network - MobileNetV2_224	4.655	4.648	4.635
Normalized	99.57%	99.72%	100%
Standard Deviation	1.1%	0.9%	0.4%
Mobile Neural Network - mobilenet-v1-1.0	7.219	7.223	7.202
Normalized	99.76%	99.71%	100%
Standard Deviation	0.2%	0.5%	0.1%
Mobile Neural Network - inception-v3 (ms)	49.966	49.977	50.233
Normalized	100%	99.98%	99.47%
Standard Deviation	0.7%	1.7%	1%
Monte Carlo Simulations of Ionised Nebulae	253	252	252
- Dust 2D tau100.0 (sec)			
Normalized	99.6%	100%	100%
Standard Deviation	0.2%		
NAMD - ATPase Simulation - 327,506 Atoms	2.75748	2.76335	2.76279
(days/ns)			
Normalized	100%	99.79%	99.81%
Standard Deviation	0.6%	0.1%	0.3%
NCNN - CPU - squeezenet_int8 (ms)	22.38	22.96	22.88
Normalized	100%	97.47%	97.81%
Standard Deviation	2.4%	0.3%	0.8%
NCNN - CPU - mobilenet_v3 (ms)	5.56	5.57	5.53
Normalized	99.46%	99.28%	100%
Standard Deviation	1%	0.7%	0.2%
NCNN - CPU - squeezenet (ms)	4.58	4.59	4.56
Normalized	99.56%	99.35%	100%
Standard Deviation	1.1%	0.9%	0.3%
NCNN - CPU - mnasnet (ms)	5.52	5.55	5.47
Normalized	99.09%	98.56%	100%
Standard Deviation	2.5%	2.2%	2.1%
NCNN - CPU - blazeface (ms)	1.98	2.02	2.05
Normalized	100%	98.02%	96.59%
Standard Deviation	1.3%	3%	2.1%
NCNN - CPU - googlenet_int8 (ms)	61.10	60.77	60.96
Normalized	99.46%	100%	99.69%
Standard Deviation	0.9%	0.7%	0.9%
NCNN - CPU - vgg16_int8 (ms)	179.99	179.89	179.30
Normalized	99.62%	99.67%	100%
Standard Deviation	0.4%	0.2%	0.3%
NCNN - CPU - resnet18_int8 (ms)	32.83	32.97	33.16
Normalized	100%	99.58%	99%
Standard Deviation	2.2%	1.9%	2.1%
NCNN - CPU - alexnet (ms)	15.78	15.73	15.71
Normalized	99.56%	99.87%	100%
Standard Deviation	1%	0.4%	0.4%
NCNN - CPU - resnet50_int8 (ms)	108.20	109.90	108.37
Normalized	100%	98.45%	99.84%
Standard Deviation	0.3%	0.4%	0.1%
NCNN - CPU - mobilenetv2_yolov3 (ms)	21.73	21.60	21.45
Normalized	98.71%	99.31%	100%
Standard Deviation	1.1%	0.7%	0.1%
OpenCV - DNN - D.N.N (ms)	8326	9290	8743
Normalized	100%	89.62%	95.23%
Standard Deviation	12.7%	13.4%	9.3%
OSBench - Create Files (us/Event)	14.685416	14.684122	14.494470
Normalized	98.7%	98.71%	100%

OSBench - Create Threads (us/Event)	Standard Deviation Normalized	0.1% 100%	1.3% 95.56%	2.9% 91.85%
OSBench - Launch Programs (us/Event)	Standard Deviation Normalized	2.5% 100%	9.8% 98.42%	11.4% 97.83%
OSBench - Create Processes (us/Event)	Standard Deviation Normalized	0.2% 99.25%	0.4% 100%	0.1% 98.49%
OSBench - Memory Allocations (Ns/Event)	Standard Deviation Normalized	1.7% 96.98%	1.1% 100%	1.8% 97.13%
System GZIP Decompression (sec)	Standard Deviation Normalized	3.580 0.1%	3.463 1.5%	3.433 0.3%
TensorFlow Lite - SqueezeNet (us)	Standard Deviation Normalized	370424 10.9%	370419 10%	370499 3%
TensorFlow Lite - Inception V4 (us)	Standard Deviation Normalized	5425967 99.99%	5428113 99.95%	5425307 100%
TensorFlow Lite - NASNet Mobile (us)	Standard Deviation Normalized	302458 0%	302155 0%	302017 0.1%
TensorFlow Lite - Mobilenet Float (us)	Standard Deviation Normalized	254122 99.85%	254280 99.95%	253975 100%
TensorFlow Lite - Mobilenet Quant (us)	Standard Deviation Normalized	246406 99.94%	246397 99.88%	246225 0.1%
Timed LLVM Compilation - Time To Compile (sec)	Standard Deviation Normalized	886.587 99.93%	881.705 99.93%	883.997 100%
WebP Image Encode - Default (Encode Time - sec)	Standard Deviation Normalized	1.875 0.2%	1.877 0.2%	1.845 0.1%
WebP Image Encode - Quality 100 (Encode Time - sec)	Standard Deviation Normalized	2.848 98.4%	2.881 98.3%	2.878 100%
WebP Image Encode - Q.1.L (Encode Time - sec)	Standard Deviation Normalized	19.790 100%	19.819 98.85%	19.239 98.96%
WebP Image Encode - Q.1.H.C (Encode Time - sec)	Standard Deviation Normalized	8.550 97.22%	8.566 97.07%	8.447 100%
	Standard Deviation Normalized	0.3% 0.2%	0.4% 0.3%	2.9% 2.3%

WebP Image Encode - Q.1.L.H.C (Encode 41.613

41.648**41.311****Time - sec)**

Normalized 99.27%

Standard Deviation 0.1%

Zstd Compression - 3 (MB/s) 3026**3062**

3056

Normalized 98.82%

Standard Deviation 0.1%

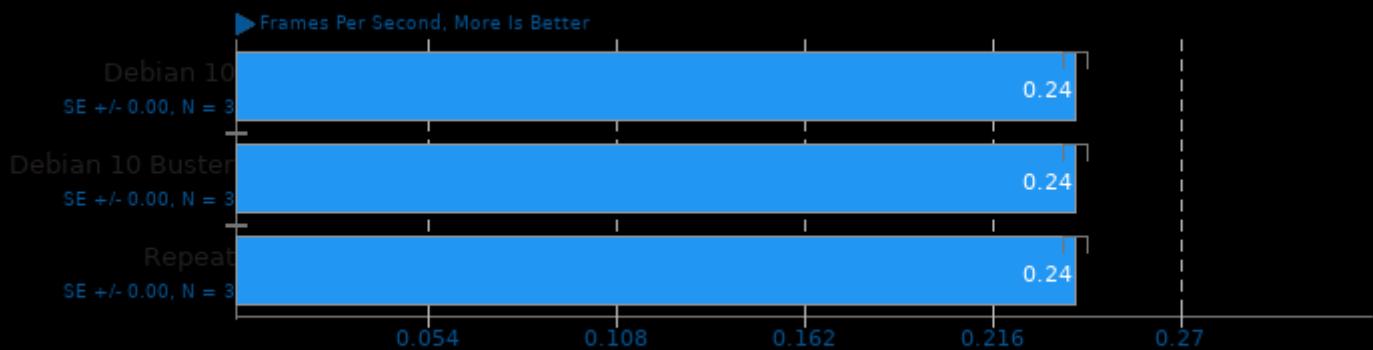
Zstd Compression - 19 (MB/s) 34.2**38****38**

Normalized 90%

Standard Deviation 0.2%

AOM AV1 2.0

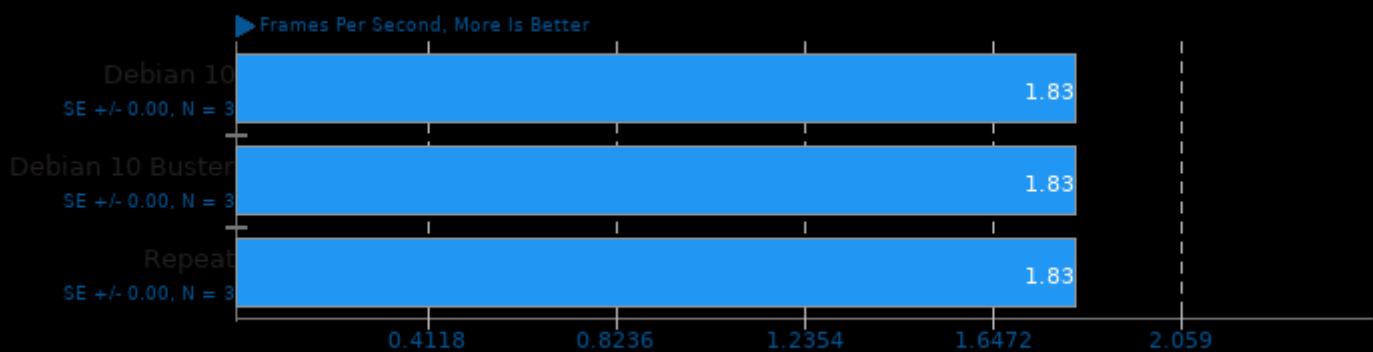
Encoder Mode: Speed 0 Two-Pass



1. (CXX) g++ options: -O3 -std=c++11 -U_FORTIFY_SOURCE -lm -lpthread

AOM AV1 2.0

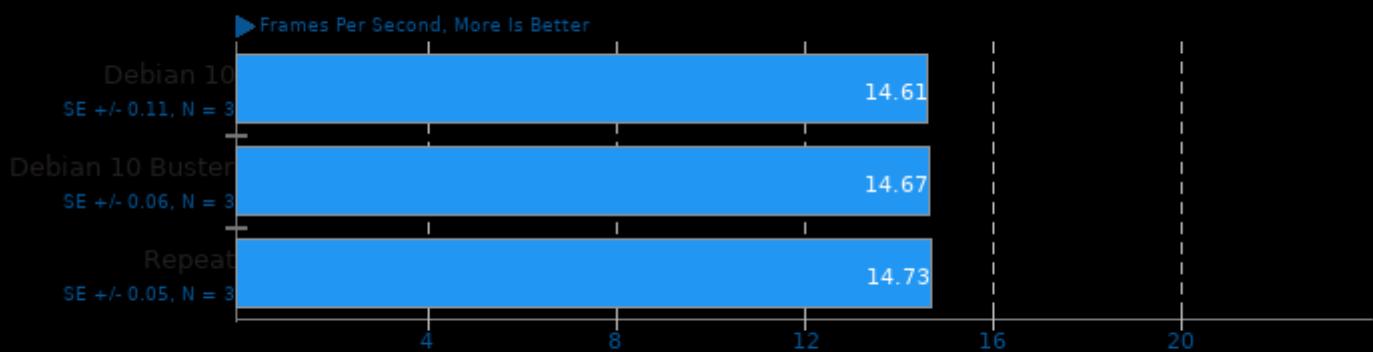
Encoder Mode: Speed 4 Two-Pass



1. (CXX) g++ options: -O3 -std=c++11 -U_FORTIFY_SOURCE -lm -lpthread

AOM AV1 2.0

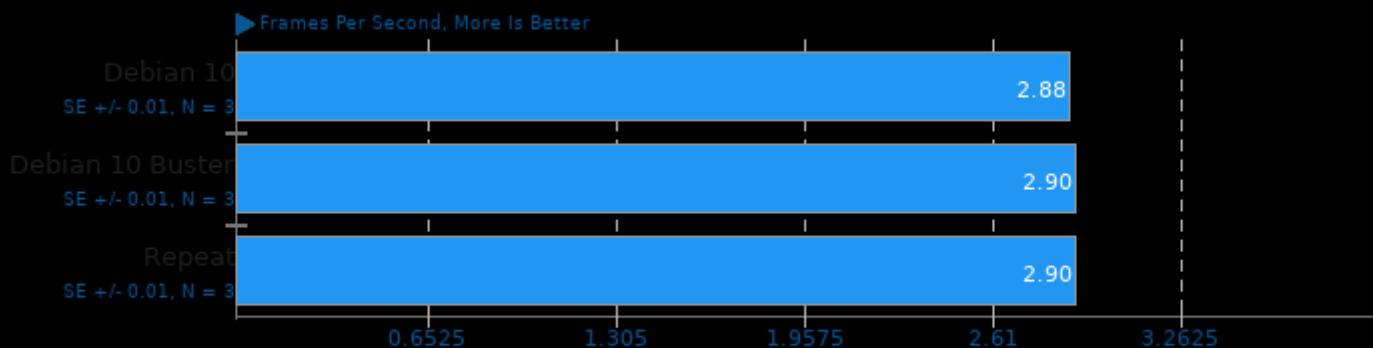
Encoder Mode: Speed 6 Realtime



1. (CXX) g++ options: -O3 -std=c++11 -U_FORTIFY_SOURCE -lm -lpthread

AOM AV1 2.0

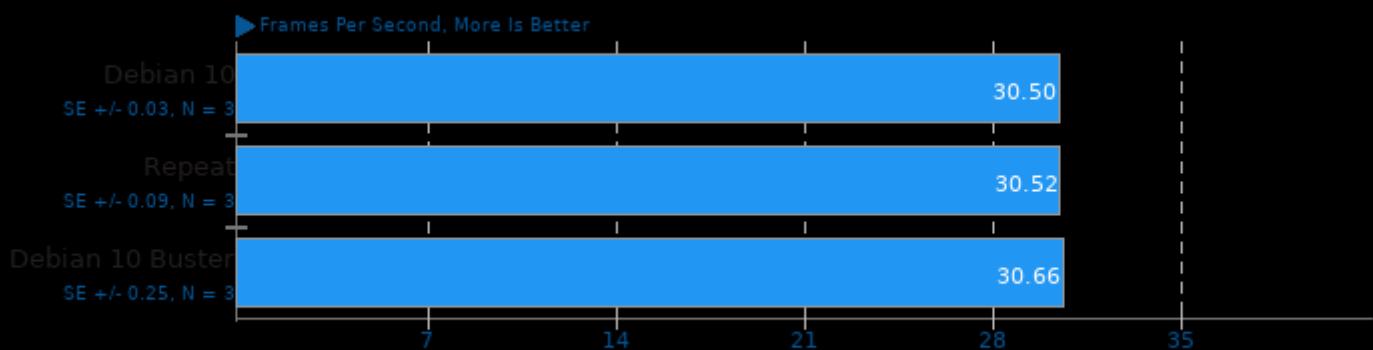
Encoder Mode: Speed 6 Two-Pass



1. (CXX) g++ options: -O3 -std=c++11 -U_FORTIFY_SOURCE -fno-rtti -fno-threadsafe-statics

AOM AV1 2.0

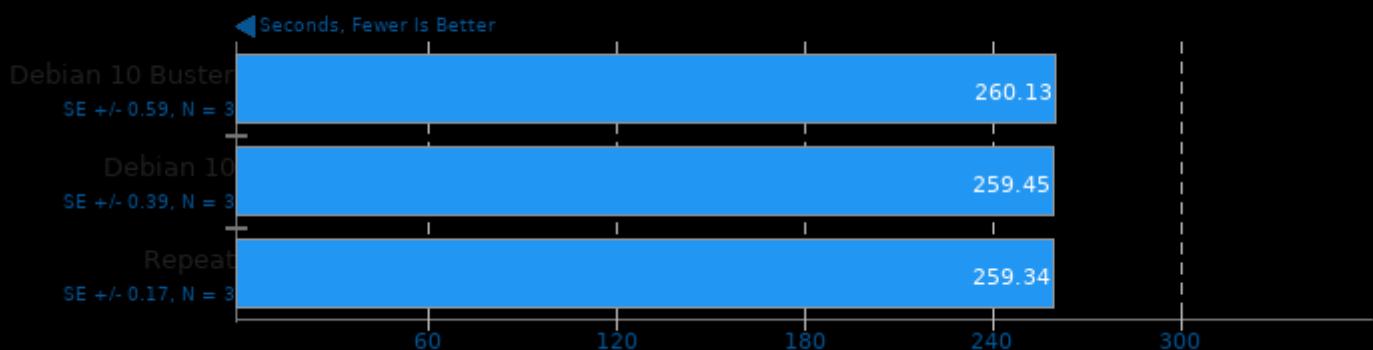
Encoder Mode: Speed 8 Realtime



1. (CXX) g++ options: -O3 -std=c++11 -U_FORTIFY_SOURCE -fno-rtti -fno-threadsafe-statics

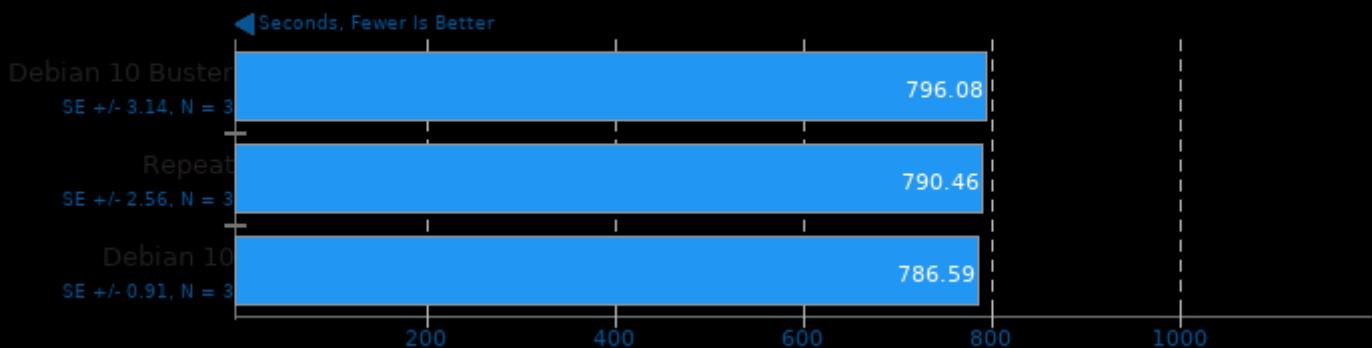
Blender 2.90

Blend File: BMW27 - Compute: CPU-Only



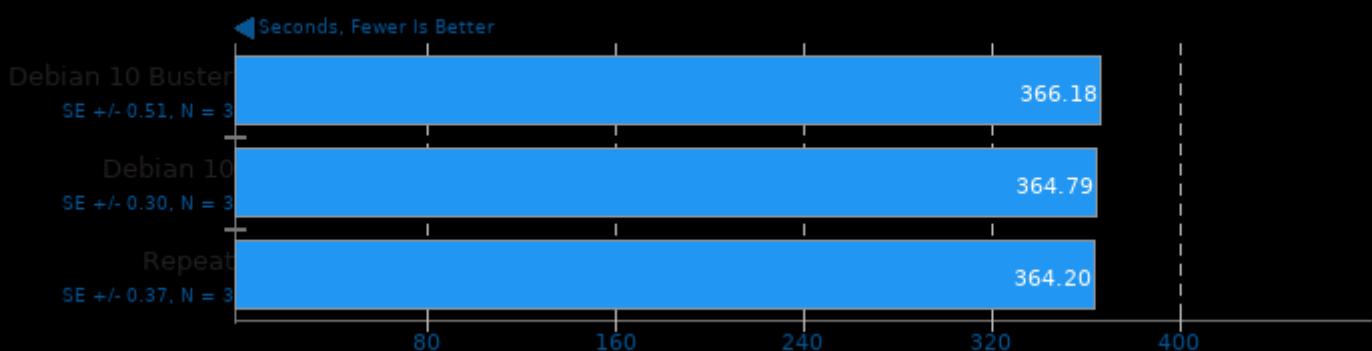
Blender 2.90

Blend File: Classroom - Compute: CPU-Only



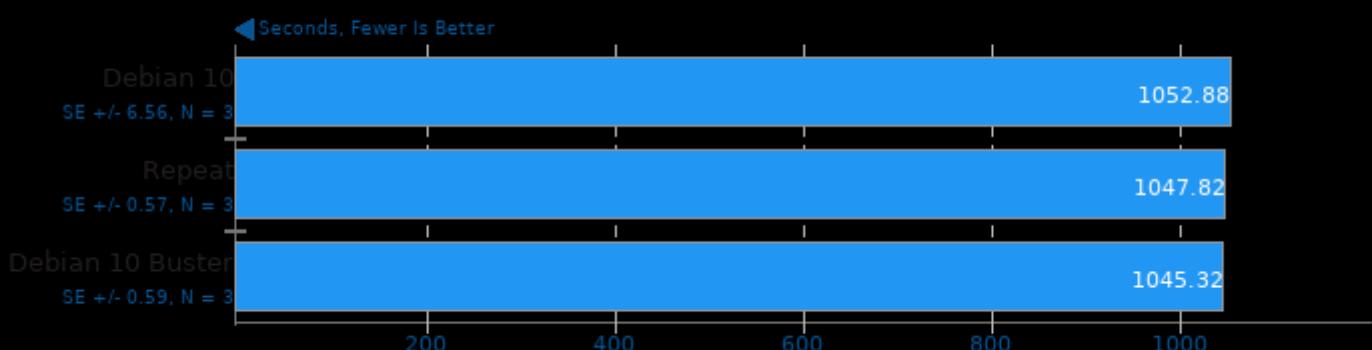
Blender 2.90

Blend File: Fishy Cat - Compute: CPU-Only



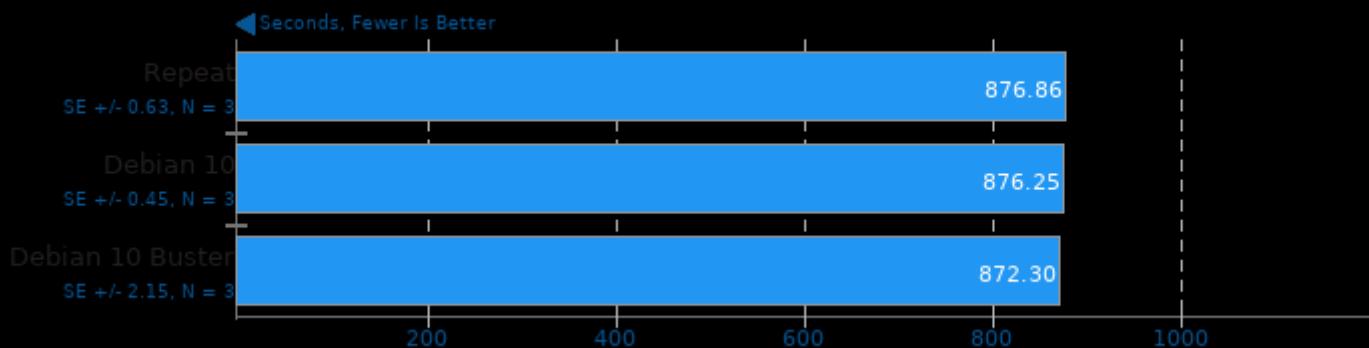
Blender 2.90

Blend File: Barbershop - Compute: CPU-Only



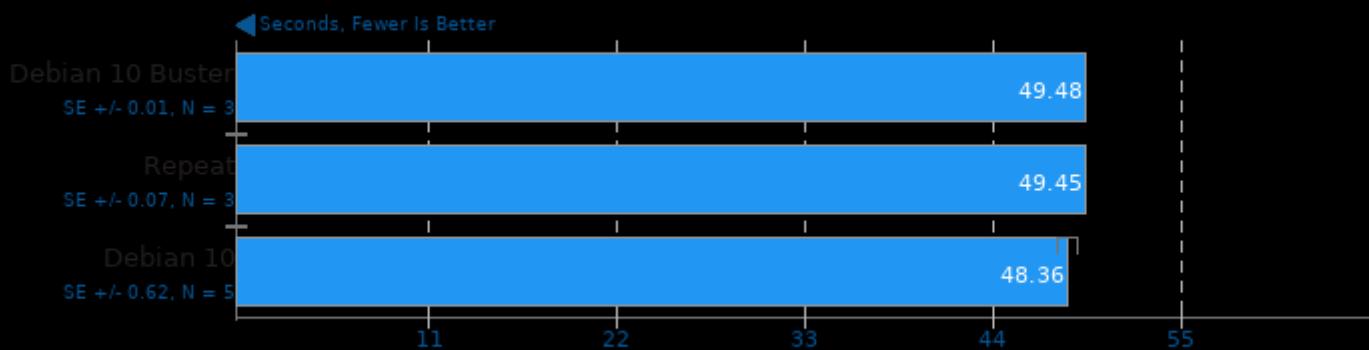
Blender 2.90

Blend File: Pabellon Barcelona - Compute: CPU-Only



dcraw

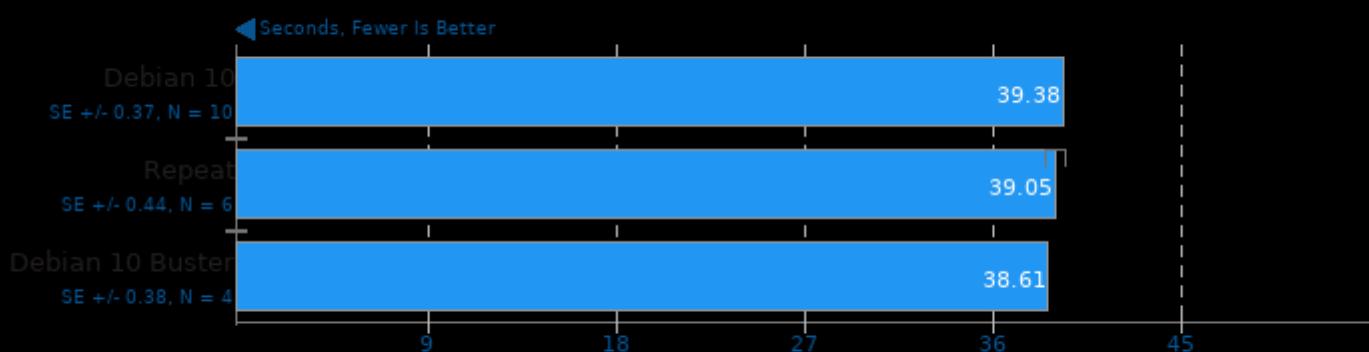
RAW To PPM Image Conversion



1. (CC) gcc options: -lm

eSpeak-NG Speech Engine 20200907

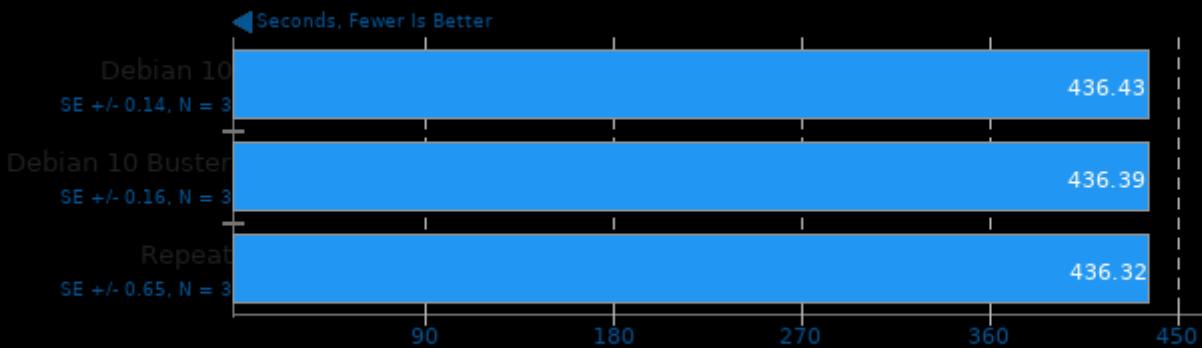
Text-To-Speech Synthesis



1. (CC) gcc options: -O2 -std=c99

GPAW 20.1

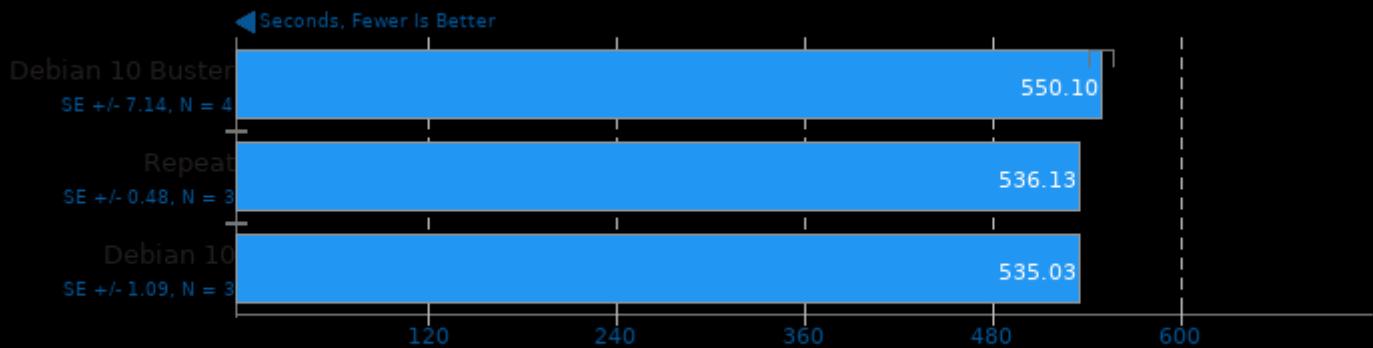
Input: Carbon Nanotube



1. (CC) gcc options: -pthread -shared -lxc -lblas -lmpi

Incompact3D 2020-09-17

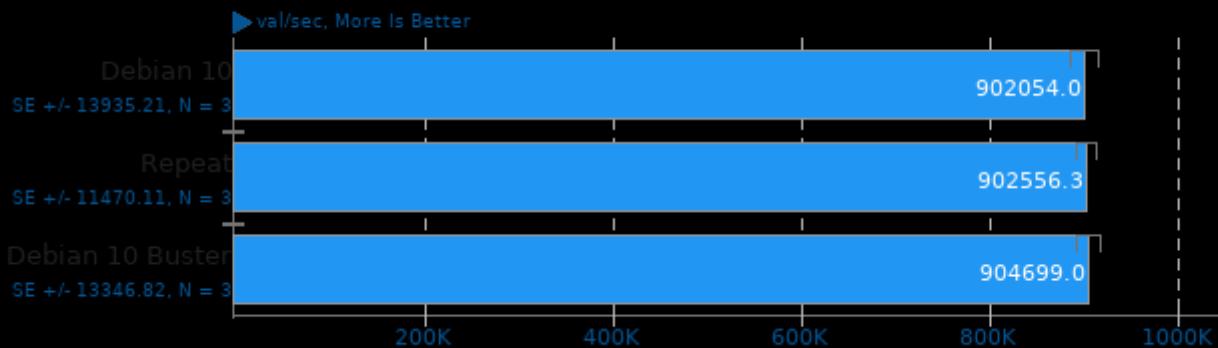
Input: Cylinder



1. (F9X) gfortran options: -cpp -funroll-loops -floop-optimize -fcray-pointer -fbacktrace -pthread -lmpi_usempif08 -lmpi_mpifh -lmpi

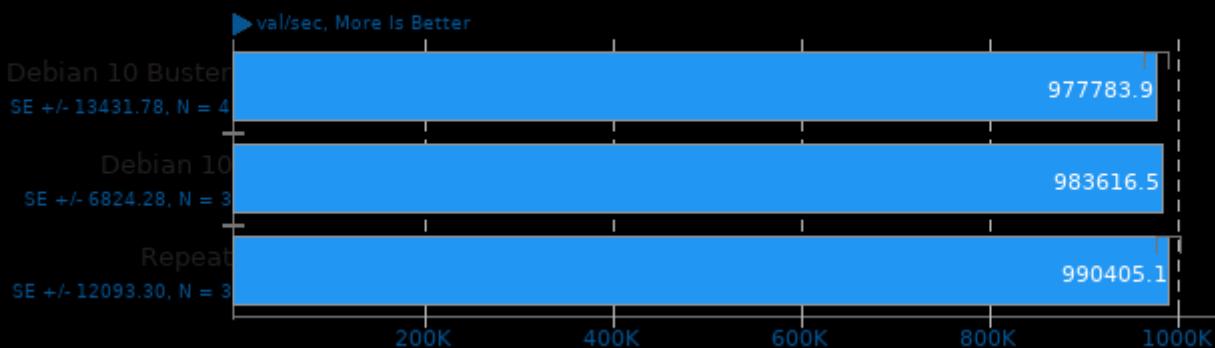
InfluxDB 1.8.2

Concurrent Streams: 4 - Batch Size: 10000 - Tags: 2,5000,1 - Points Per Series: 10000



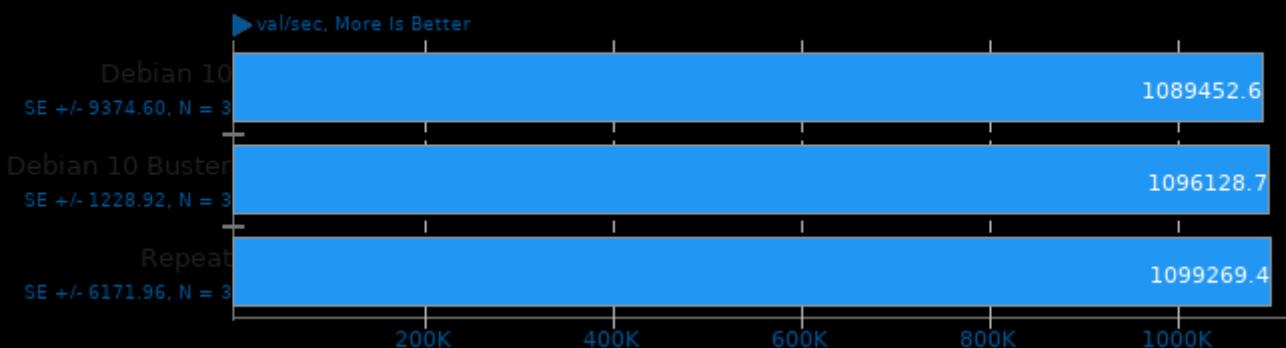
InfluxDB 1.8.2

Concurrent Streams: 64 - Batch Size: 10000 - Tags: 2,5000,1 - Points Per Series: 10000

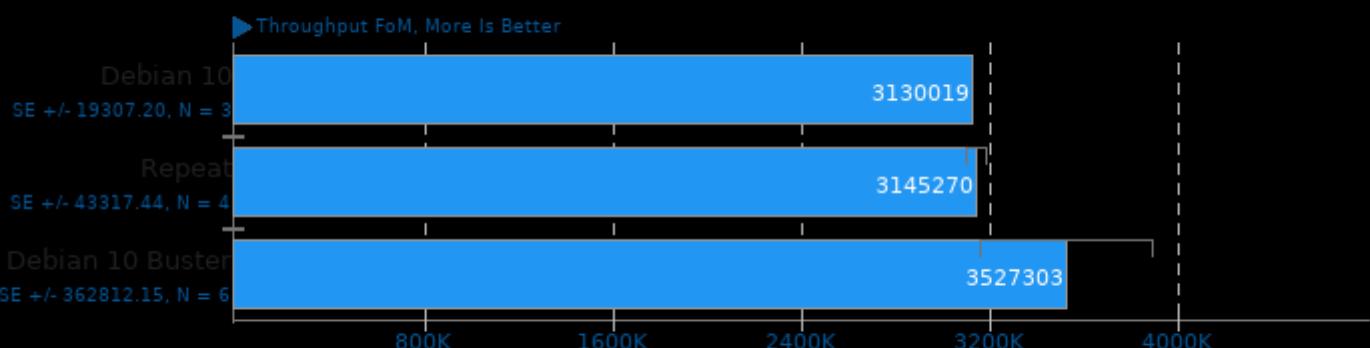


InfluxDB 1.8.2

Concurrent Streams: 1024 - Batch Size: 10000 - Tags: 2,5000,1 - Points Per Series: 10000



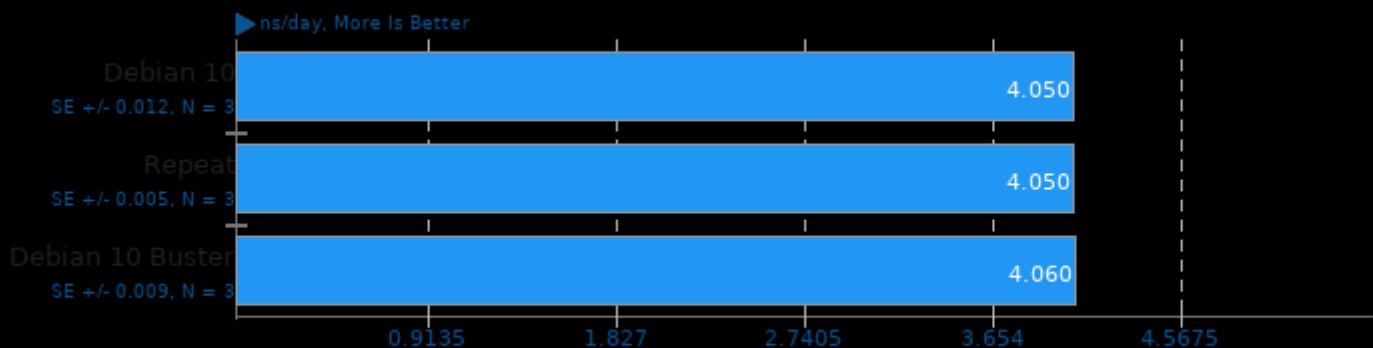
Kripke 1.2.4



1. (CXX) g++ options: -O3 -fopenmp

LAMMPS Molecular Dynamics Simulator 24Aug2020

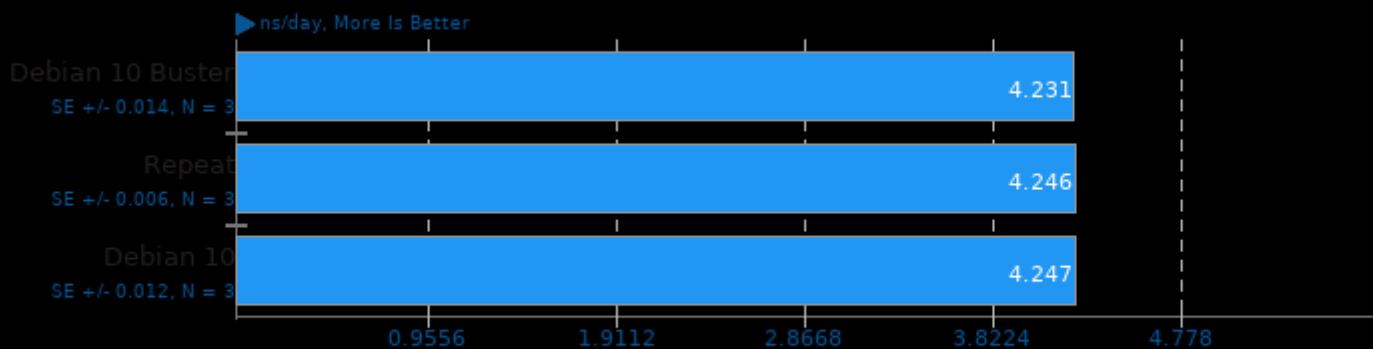
Model: 20k Atoms



1. (CXX) g++ options: -O3 -pthread -lm

LAMMPS Molecular Dynamics Simulator 24Aug2020

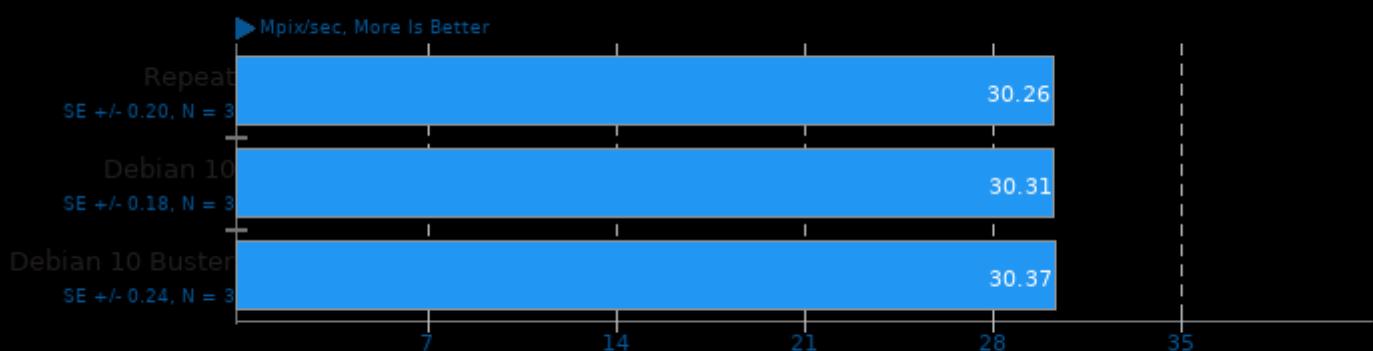
Model: Rhodopsin Protein



1. (CXX) g++ options: -O3 -pthread -lm

LibRaw 0.20

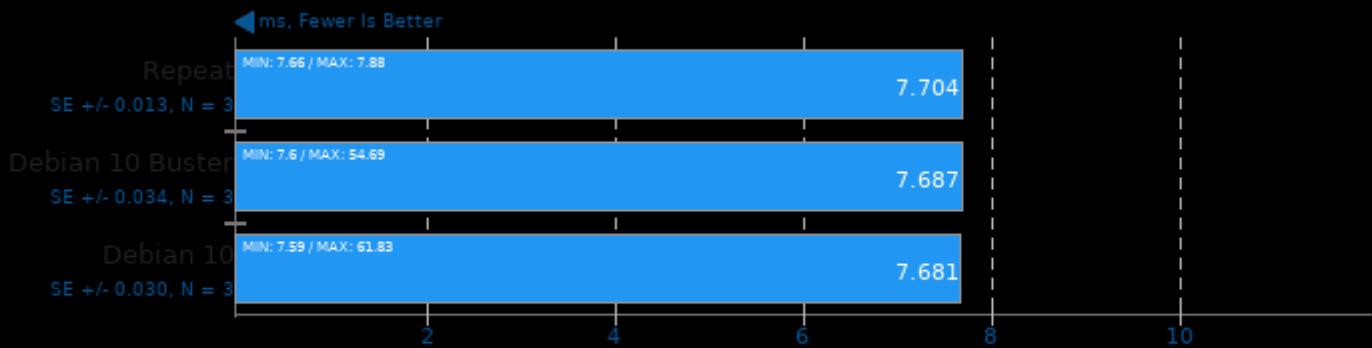
Post-Processing Benchmark



1. (CXX) g++ options: -O2 -fopenmp -ljpeg -lz -lm

Mobile Neural Network 2020-09-17

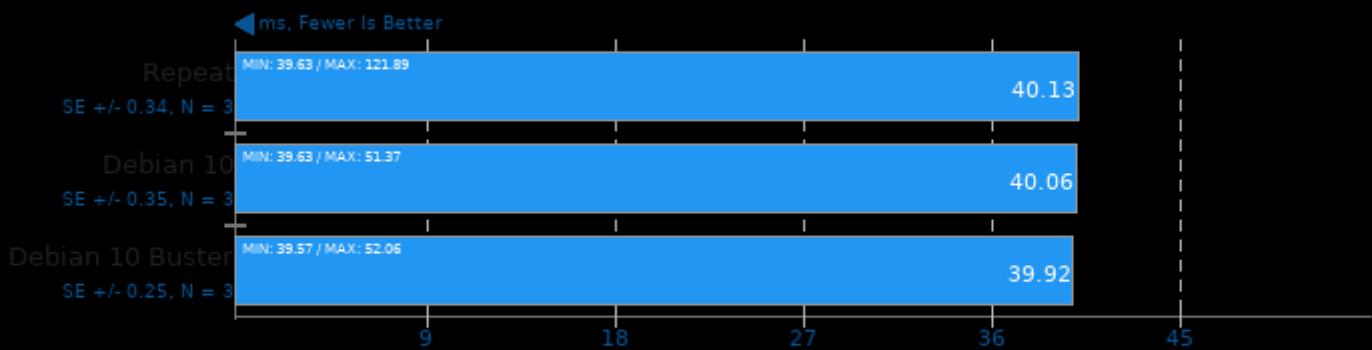
Model: SqueezeNetV1.0



1. (CXX) g++ options: -std=c++11 -O3 -fvisibility=hidden -fomit-frame-pointer -fstrict-aliasing -ffunction-sections -fdata-sections -ffast-math -fno-rtti -fr

Mobile Neural Network 2020-09-17

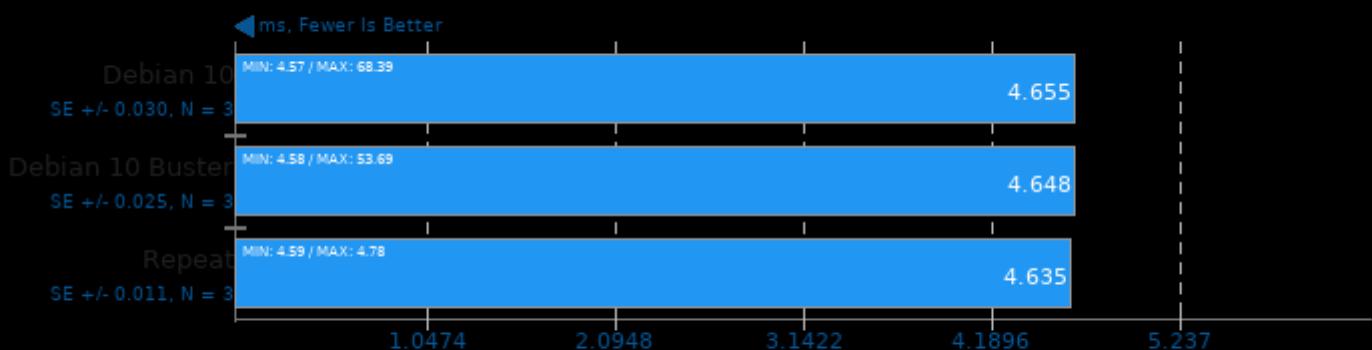
Model: resnet-v2-50



1. (CXX) g++ options: -std=c++11 -O3 -fvisibility=hidden -fomit-frame-pointer -fstrict-aliasing -ffunction-sections -fdata-sections -ffast-math -fno-rtti -fr

Mobile Neural Network 2020-09-17

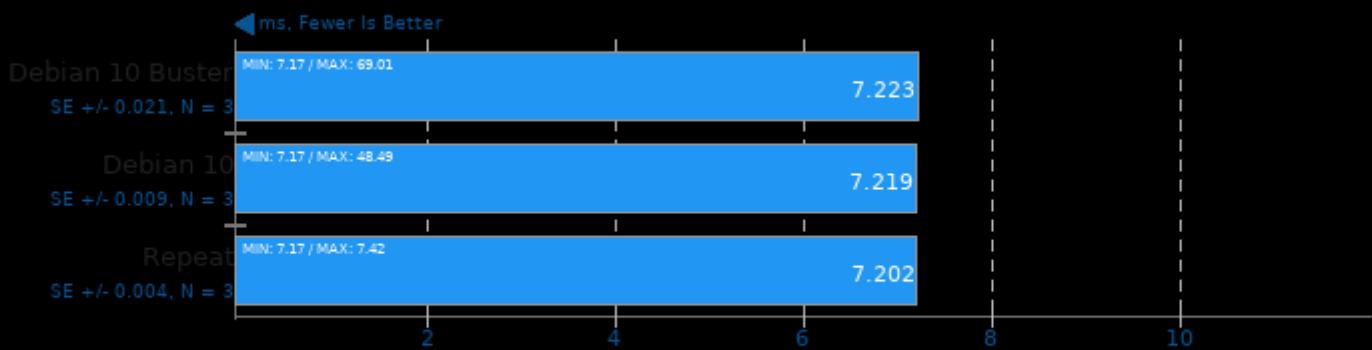
Model: MobileNetV2_224



1. (CXX) g++ options: -std=c++11 -O3 -fvisibility=hidden -fomit-frame-pointer -fstrict-aliasing -ffunction-sections -fdata-sections -ffast-math -fno-rtti -fr

Mobile Neural Network 2020-09-17

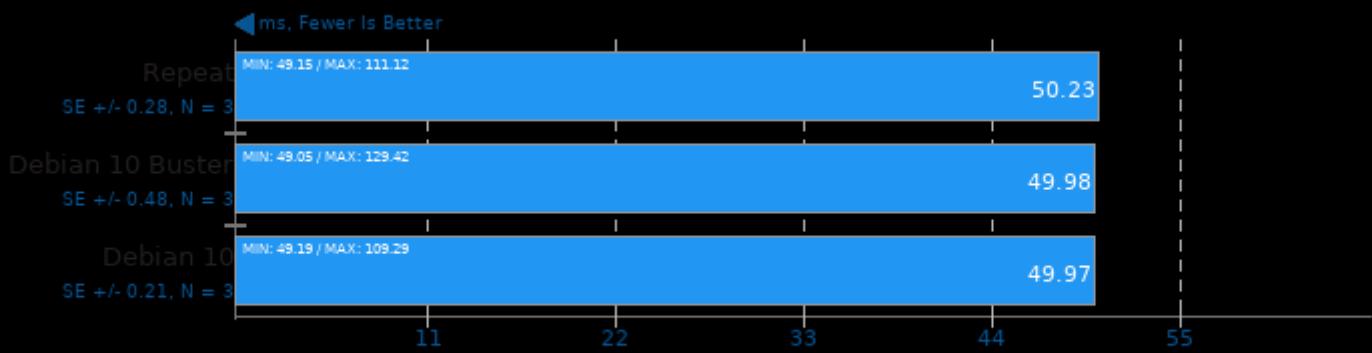
Model: mobilenet-v1-1.0



1. (CXX) g++ options: -std=c++11 -O3 -fvisibility=hidden -fomit-frame-pointer -fstrict-aliasing -ffunction-sections -fdata-sections -ffast-math -fno-rtti -frtti

Mobile Neural Network 2020-09-17

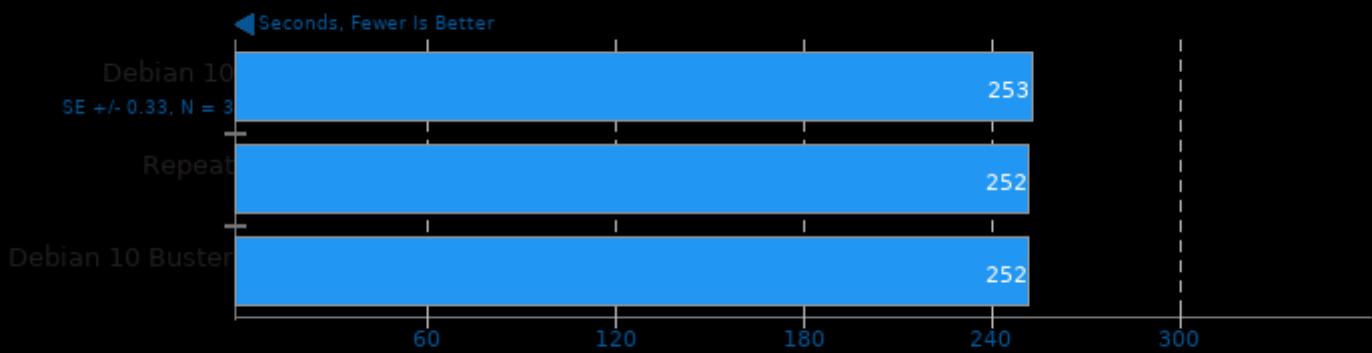
Model: inception-v3



1. (CXX) g++ options: -std=c++11 -O3 -fvisibility=hidden -fomit-frame-pointer -fstrict-aliasing -ffunction-sections -fdata-sections -ffast-math -fno-rtti -frtti

Monte Carlo Simulations of Ionised Nebulae 2019-03-24

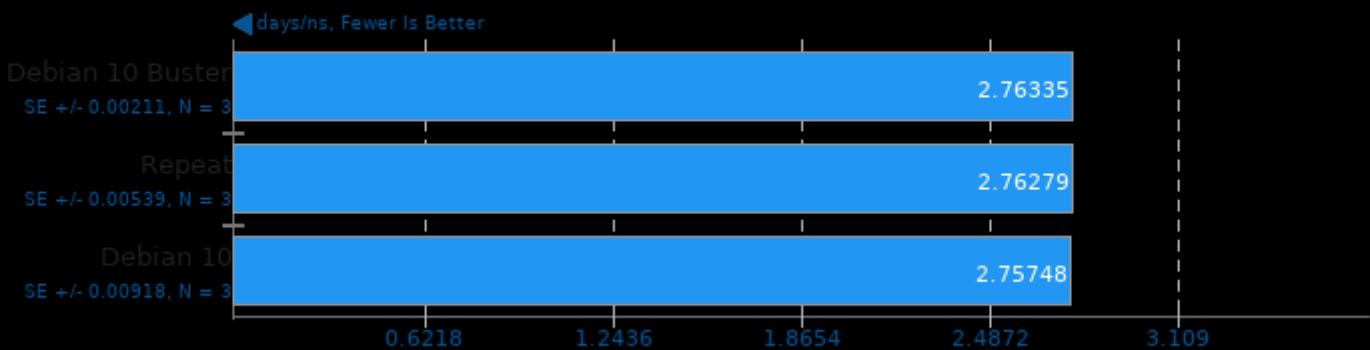
Input: Dust 2D tau100.0



1. (F9X) gfortran options: -cpp -jsource/ -ffree-line-length-0 -lm -std=legacy -O3 -O2 -pthread -lmpi_usempif08 -lmpi_mpifh -lmpi

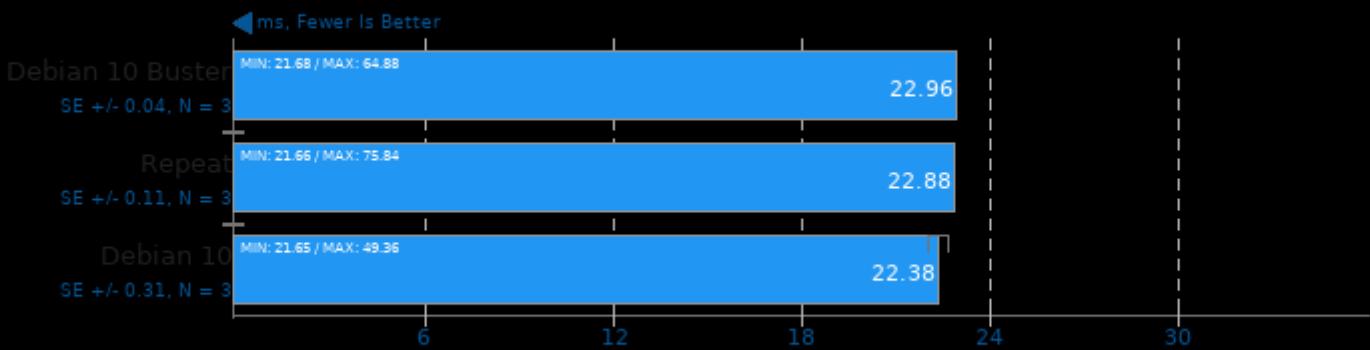
NAMD 2.14

ATPase Simulation - 327,506 Atoms



NCNN 20200916

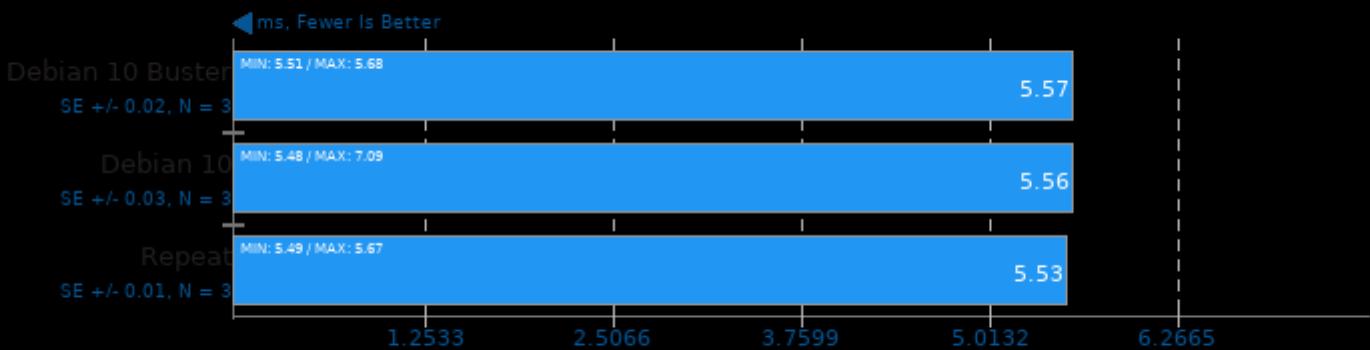
Target: CPU - Model: squeezeenet_int8



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

NCNN 20200916

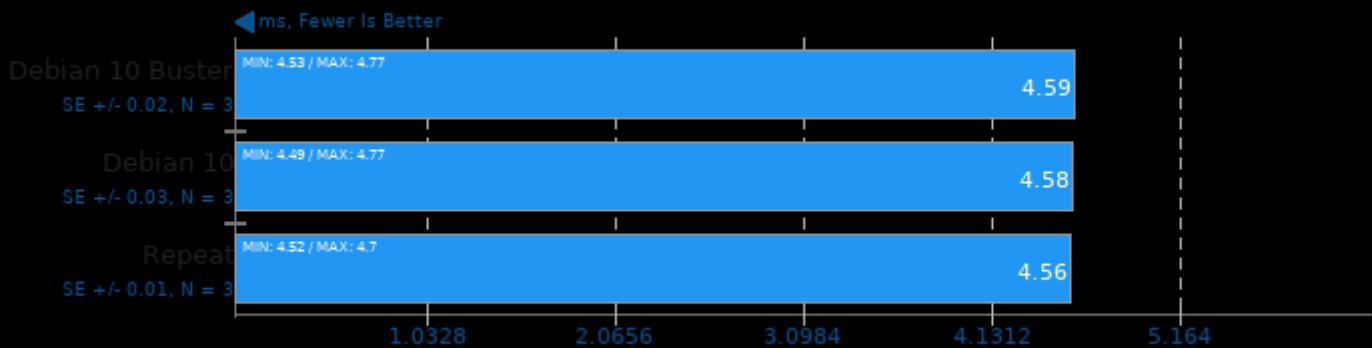
Target: CPU - Model: mobilenet_v3



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

NCNN 20200916

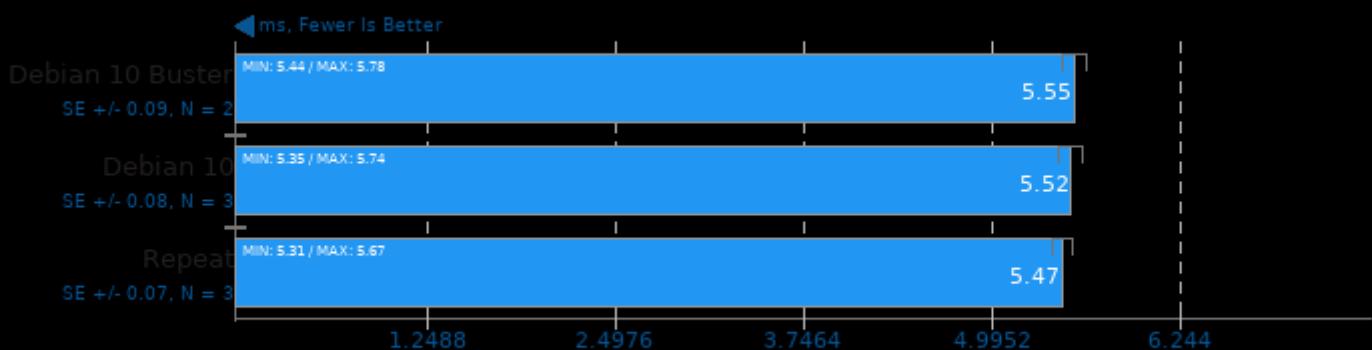
Target: CPU - Model: squeezeNet



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

NCNN 20200916

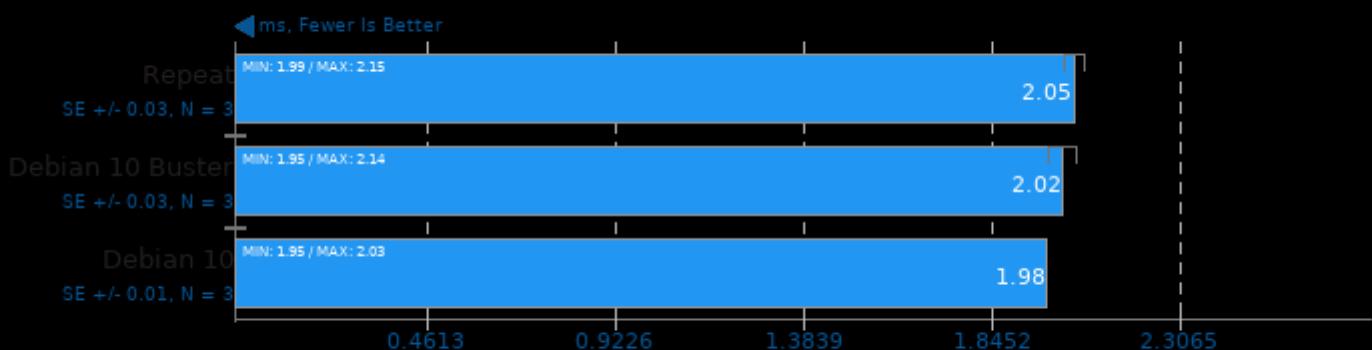
Target: CPU - Model: mnasnet



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

NCNN 20200916

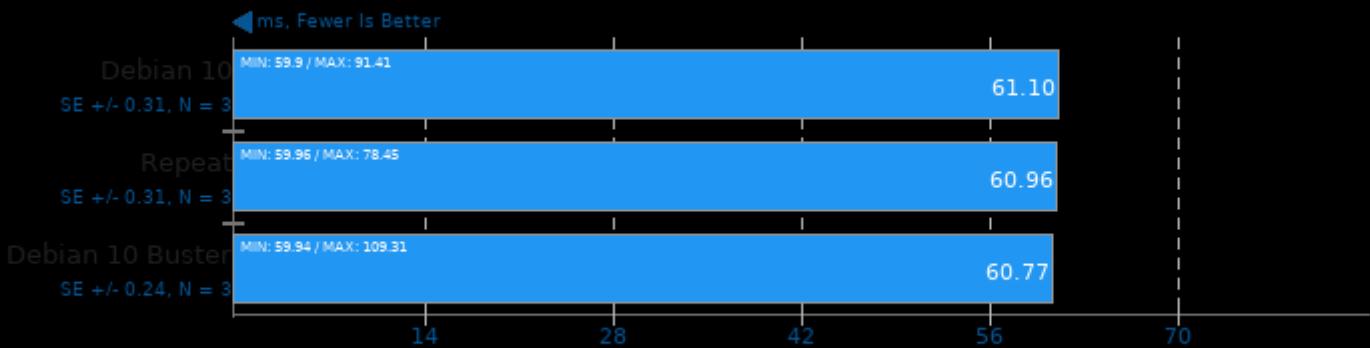
Target: CPU - Model: blazeface



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

NCNN 20200916

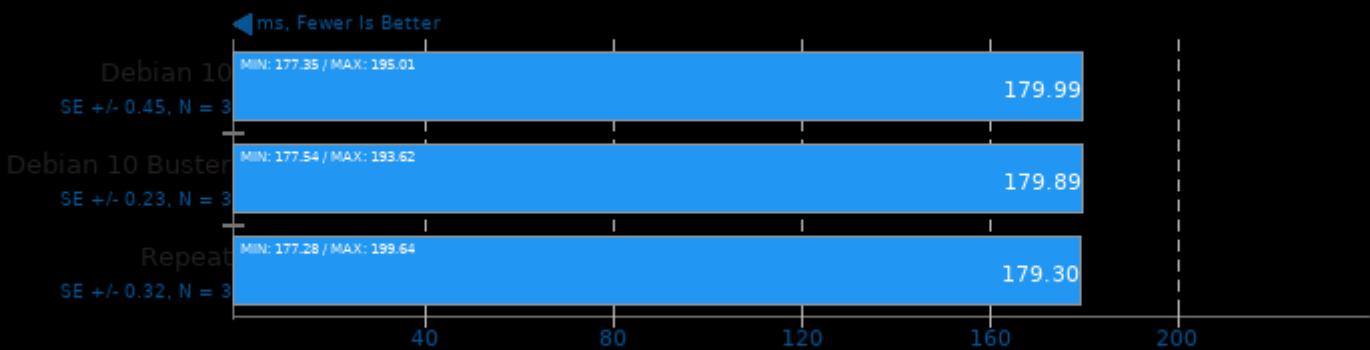
Target: CPU - Model: googlenet_int8



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

NCNN 20200916

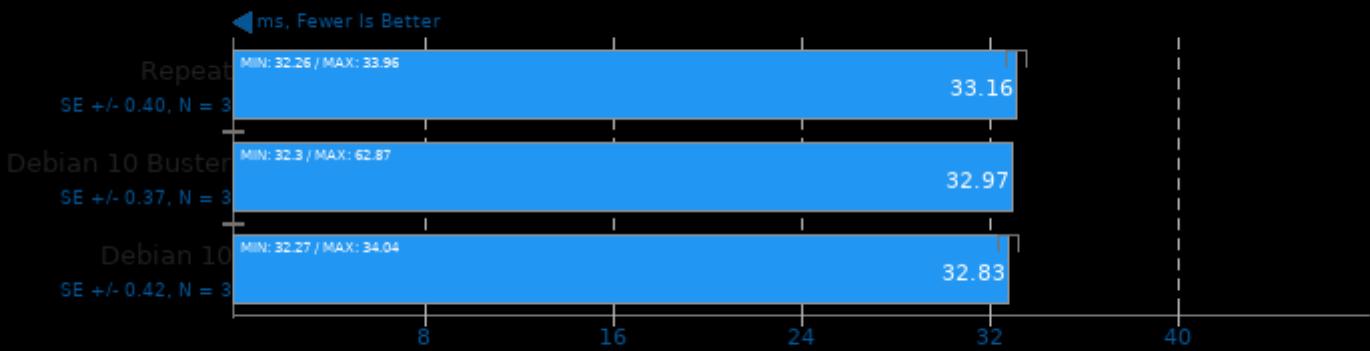
Target: CPU - Model: vgg16_int8



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

NCNN 20200916

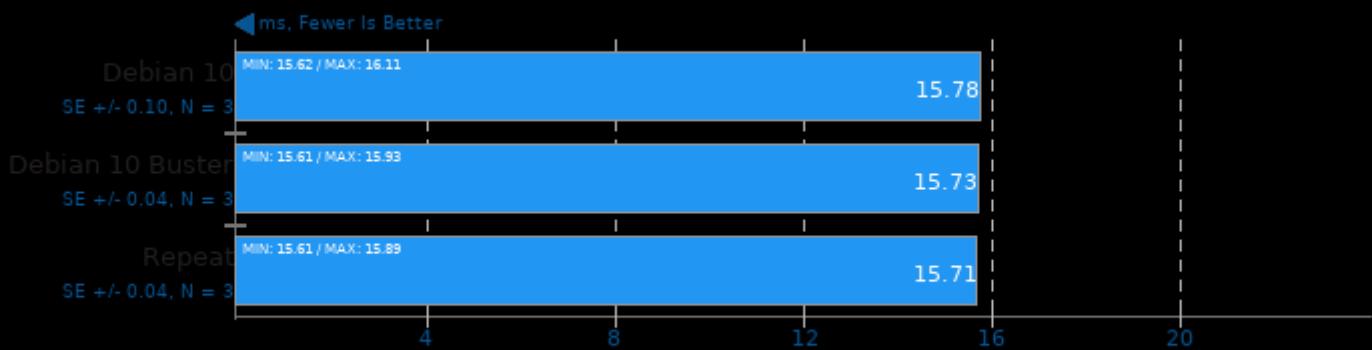
Target: CPU - Model: resnet18_int8



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

NCNN 20200916

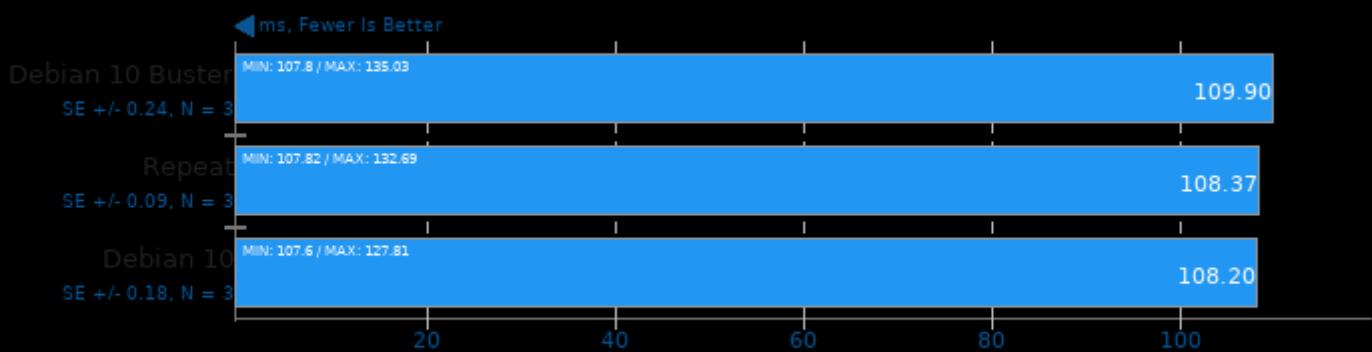
Target: CPU - Model: alexnet



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

NCNN 20200916

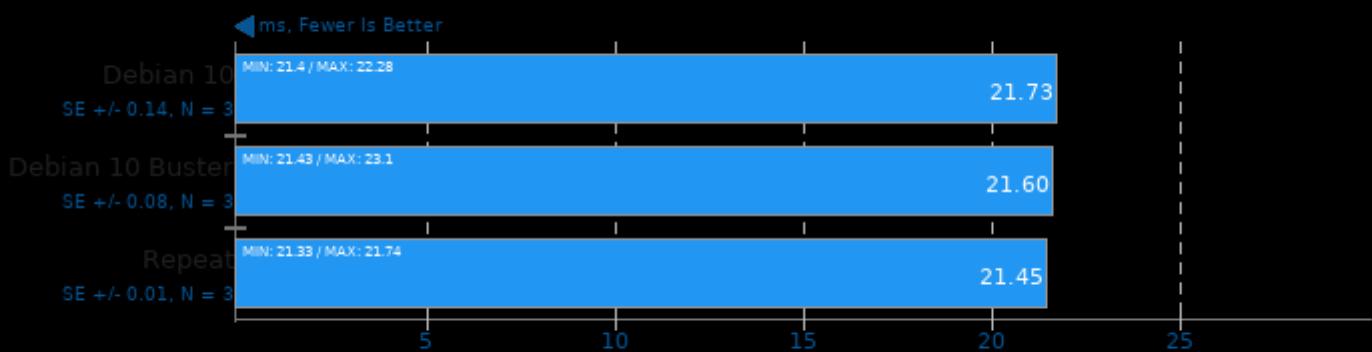
Target: CPU - Model: resnet50_int8



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

NCNN 20200916

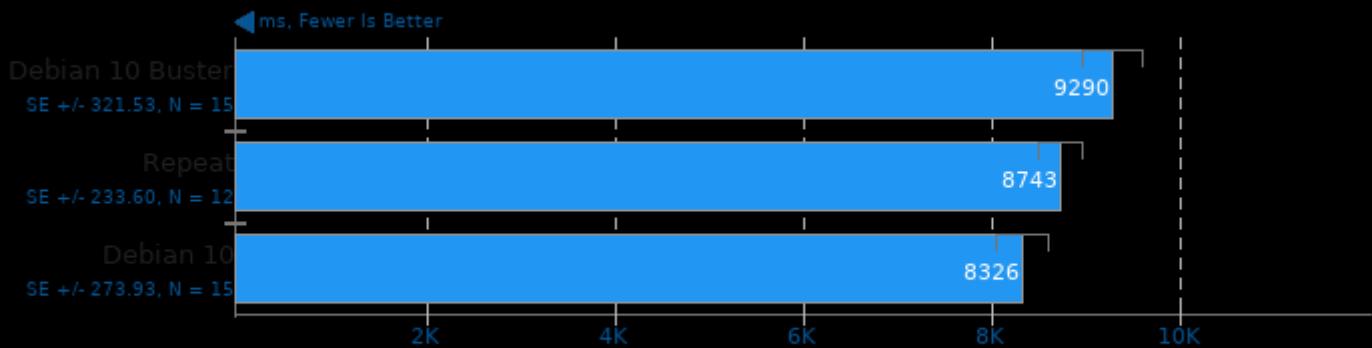
Target: CPU - Model: mobilenetv2_yolov3



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

OpenCV 4.4

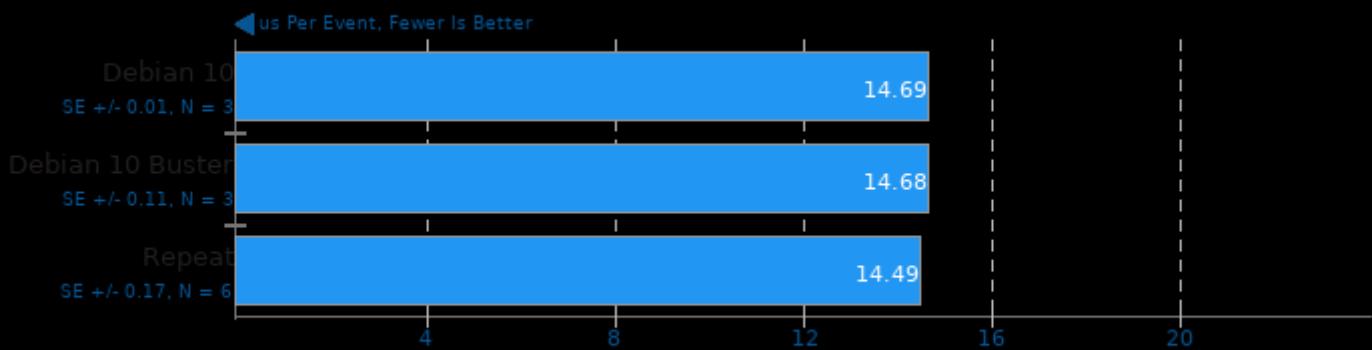
Test: DNN - Deep Neural Network



1. (CXX) g++ options: -fsigned-char -pthread -fomit-frame-pointer -ffunction-sections -fdata-sections -msse -msse2 -msse3 -fvisibility=hidden -O3 -ldl -lpthread

OSBench

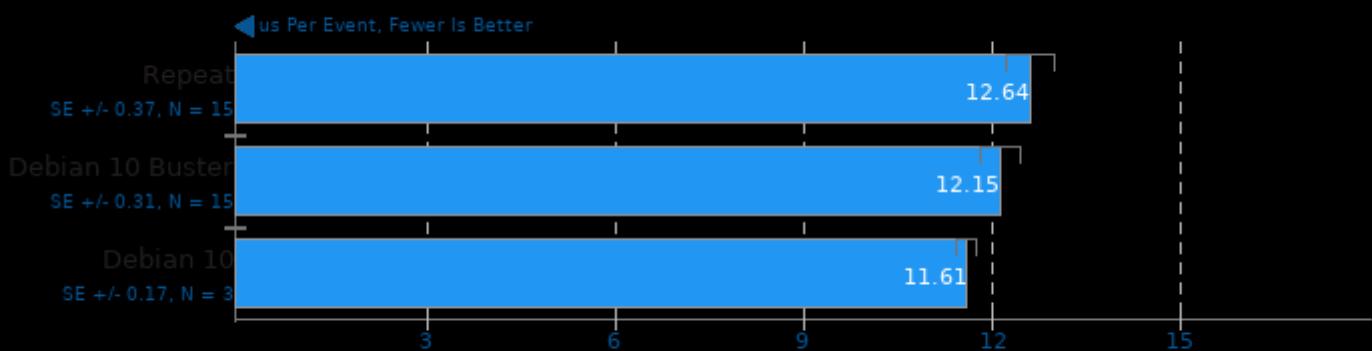
Test: Create Files



1. (CC) gcc options: -lm

OSBench

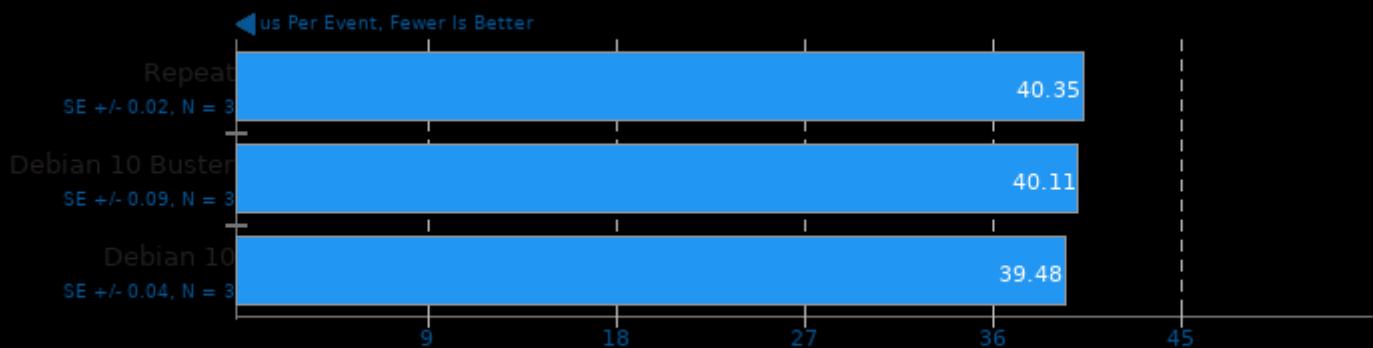
Test: Create Threads



1. (CC) gcc options: -lm

OSBench

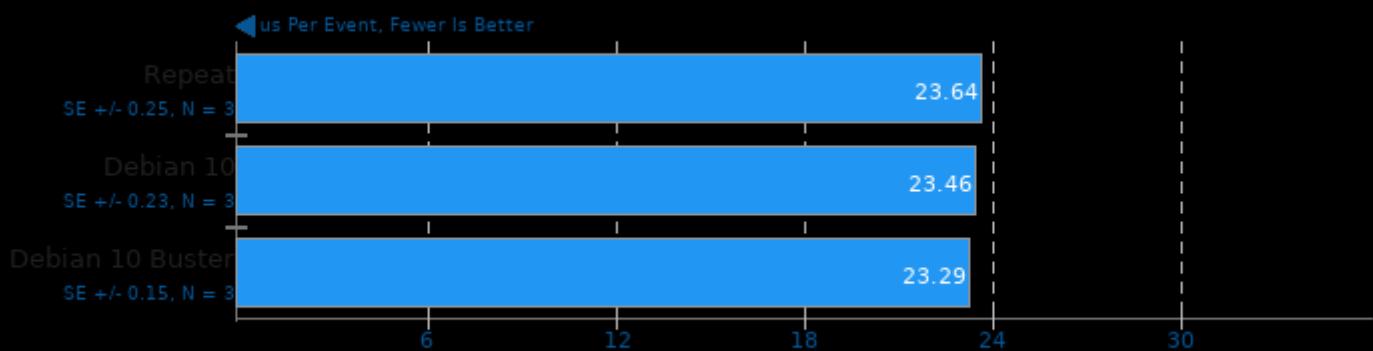
Test: Launch Programs



1. (CC) gcc options: -lm

OSBench

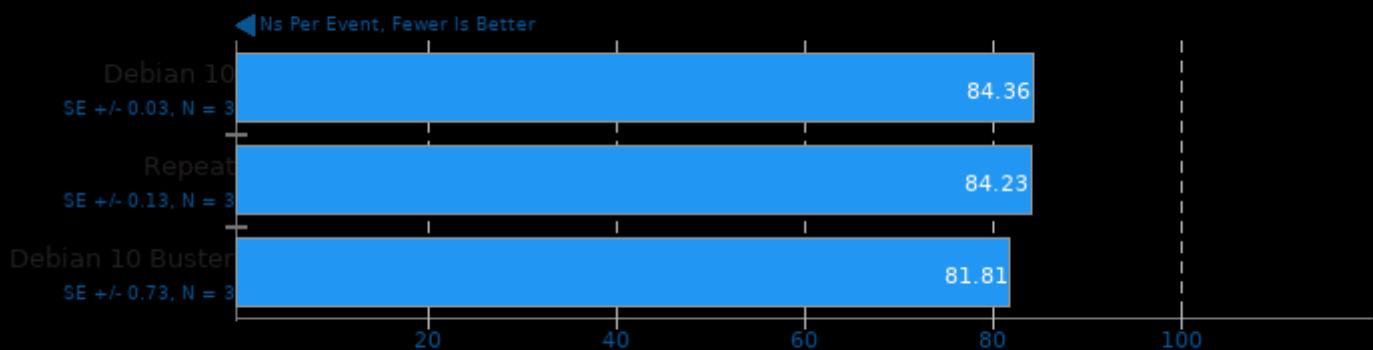
Test: Create Processes



1. (CC) gcc options: -lm

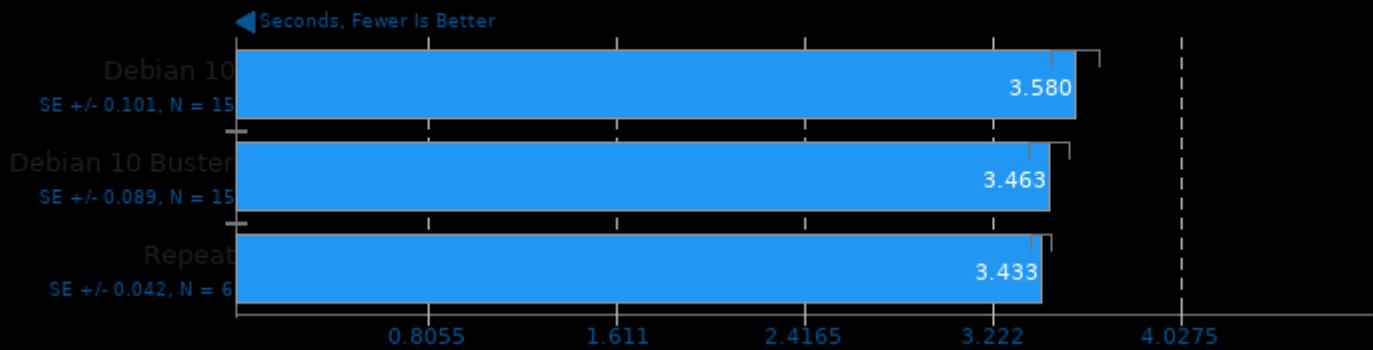
OSBench

Test: Memory Allocations



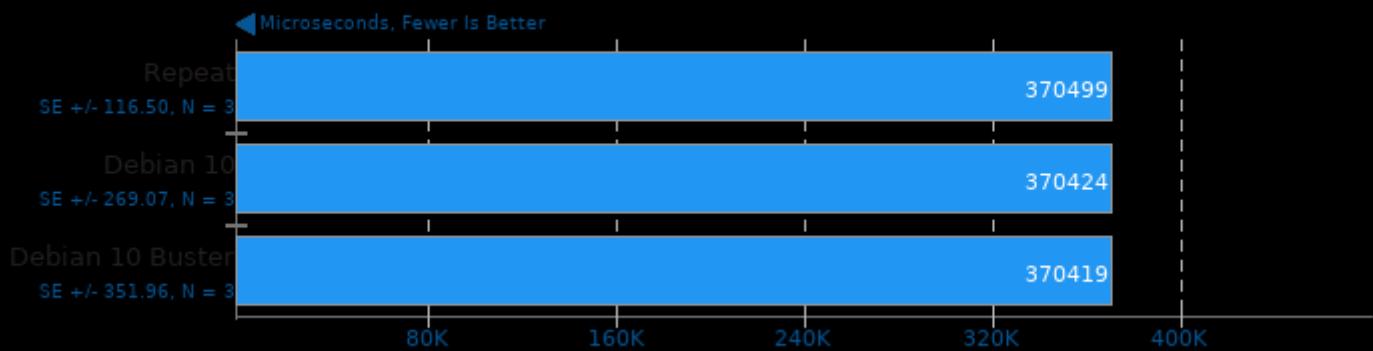
1. (CC) gcc options: -lm

System GZIP Decompression



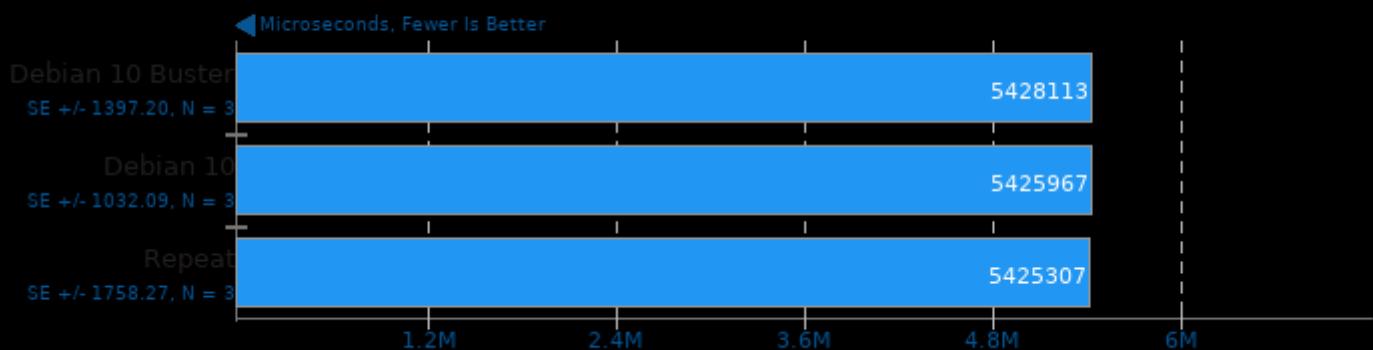
TensorFlow Lite 2020-08-23

Model: SqueezeNet



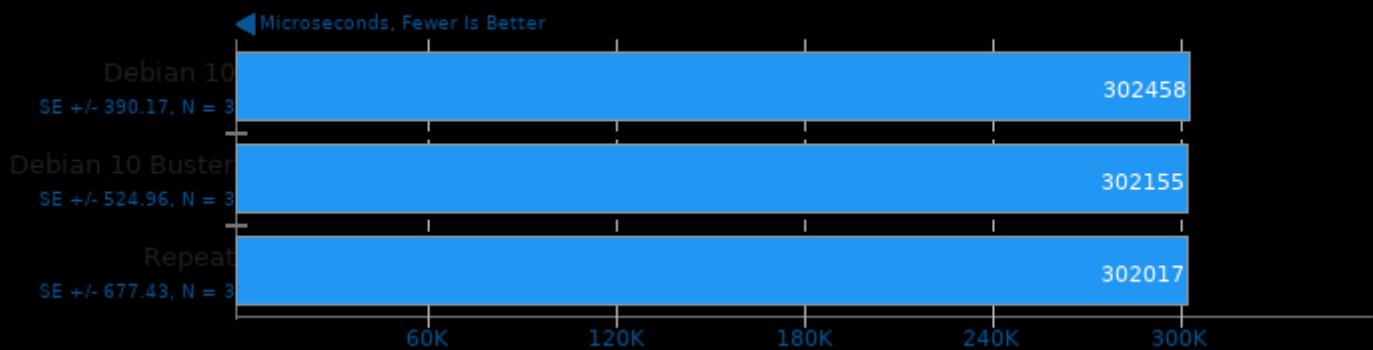
TensorFlow Lite 2020-08-23

Model: Inception V4



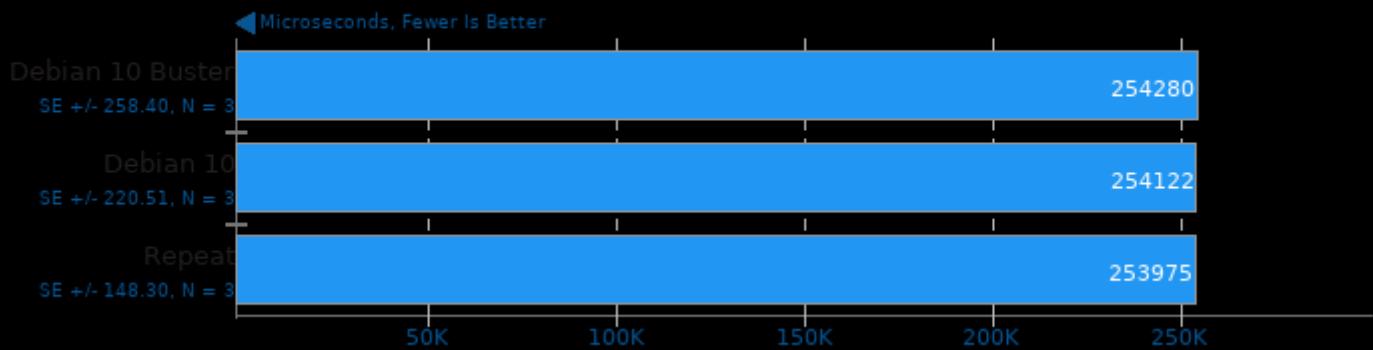
TensorFlow Lite 2020-08-23

Model: NASNet Mobile



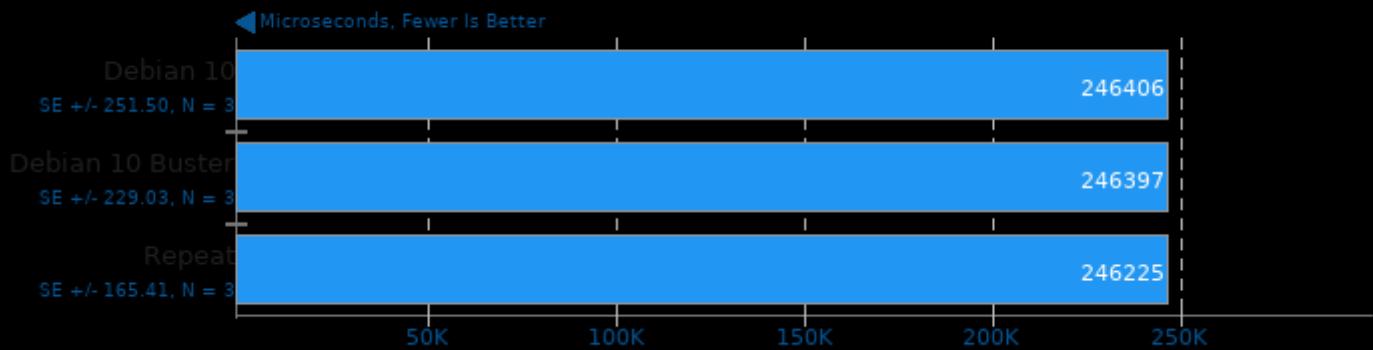
TensorFlow Lite 2020-08-23

Model: Mobilenet Float



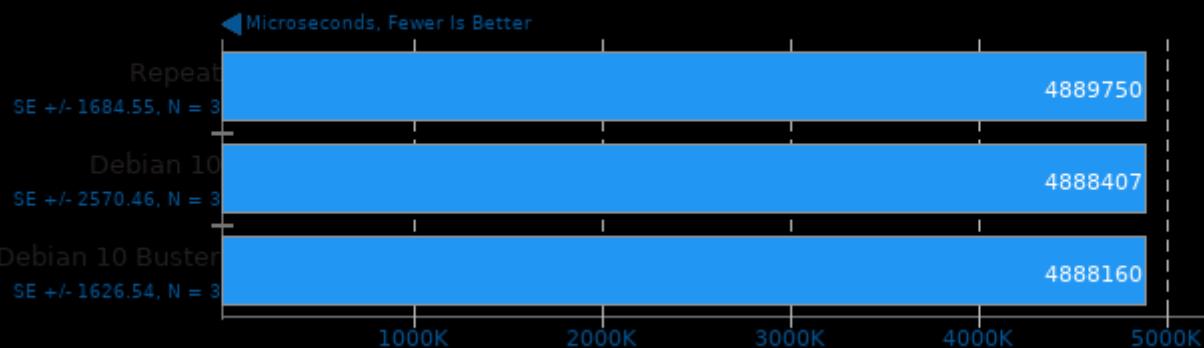
TensorFlow Lite 2020-08-23

Model: Mobilenet Quant



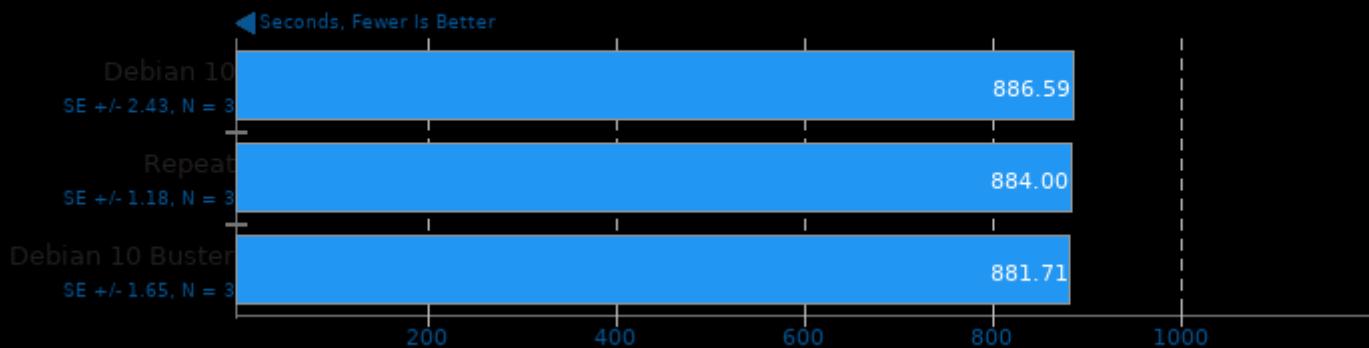
TensorFlow Lite 2020-08-23

Model: Inception ResNet V2



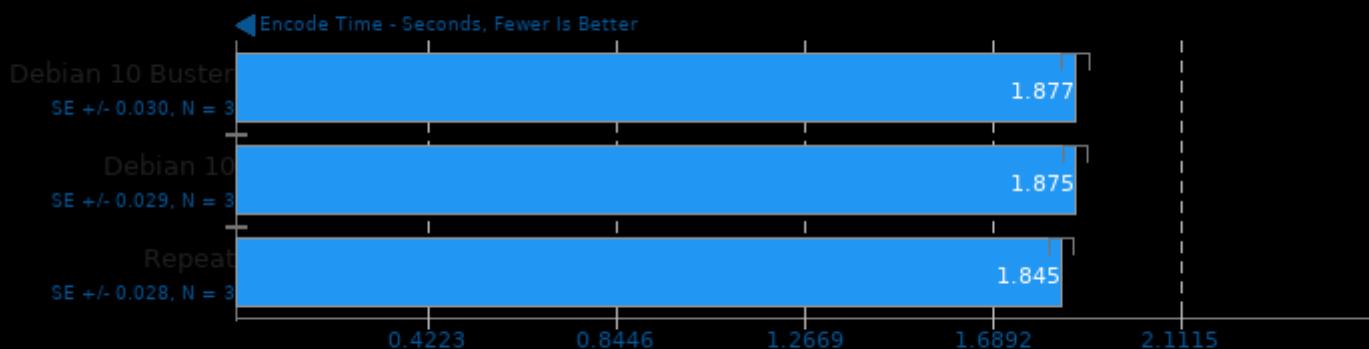
Timed LLVM Compilation 10.0

Time To Compile



WebP Image Encode 1.1

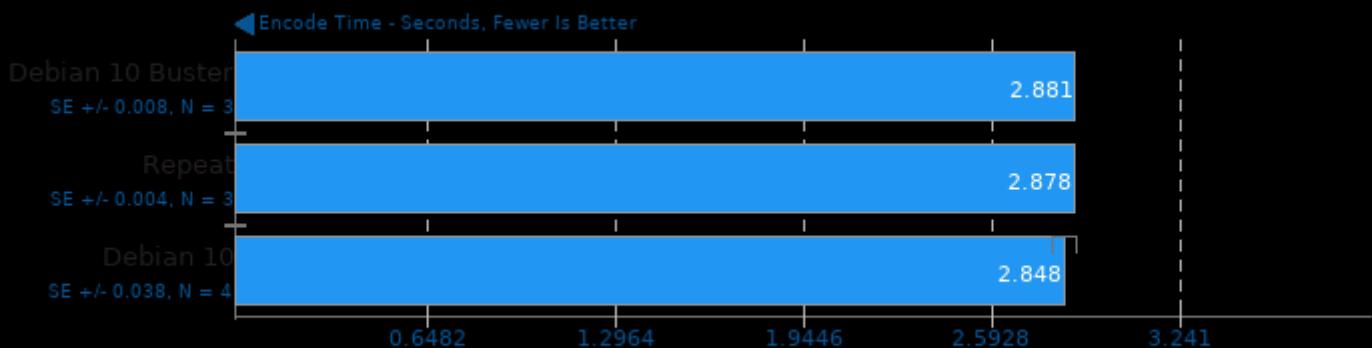
Encode Settings: Default



1. (CC) gcc options: -fvisibility=hidden -O2 -pthread -lm -ljpeg -lpng16 -ltiff

WebP Image Encode 1.1

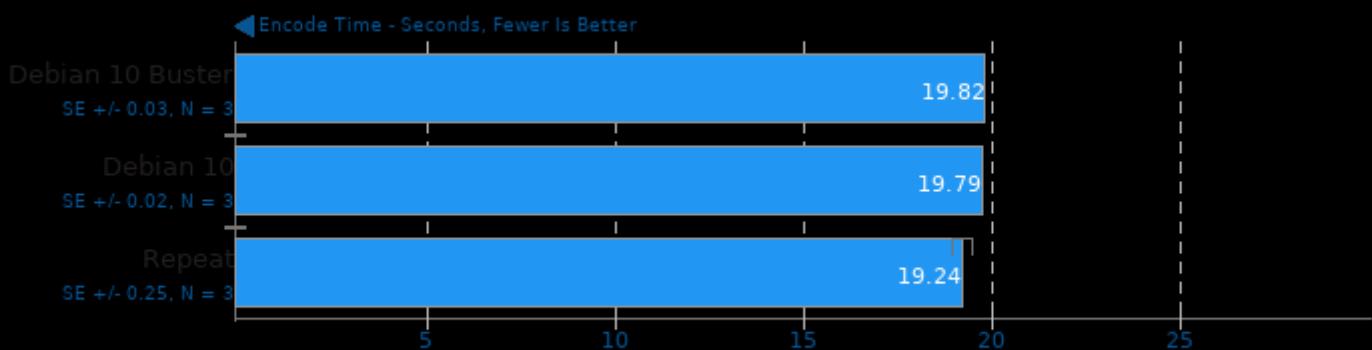
Encode Settings: Quality 100



1. (CC) gcc options: -fvisibility=hidden -O2 -pthread -lm -ljpeg -lpng16 -ltiff

WebP Image Encode 1.1

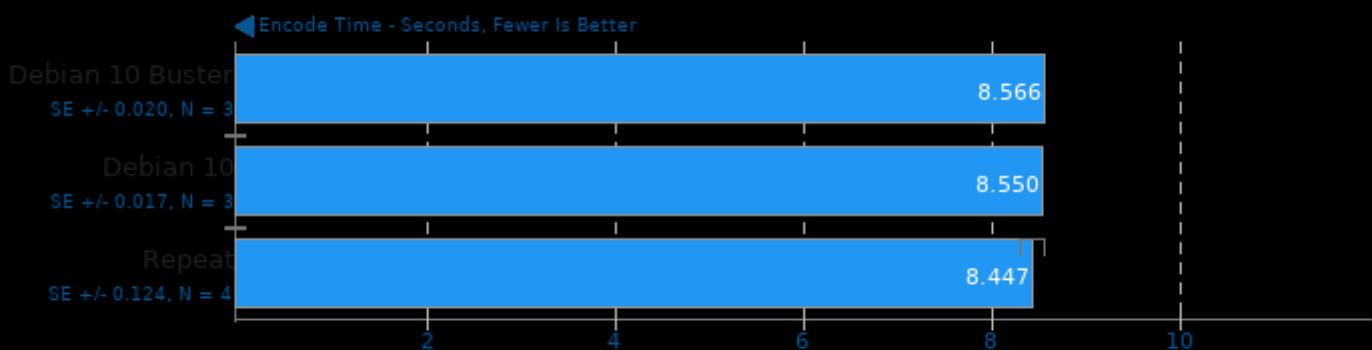
Encode Settings: Quality 100, Lossless



1. (CC) gcc options: -fvisibility=hidden -O2 -pthread -lm -ljpeg -lpng16 -ltiff

WebP Image Encode 1.1

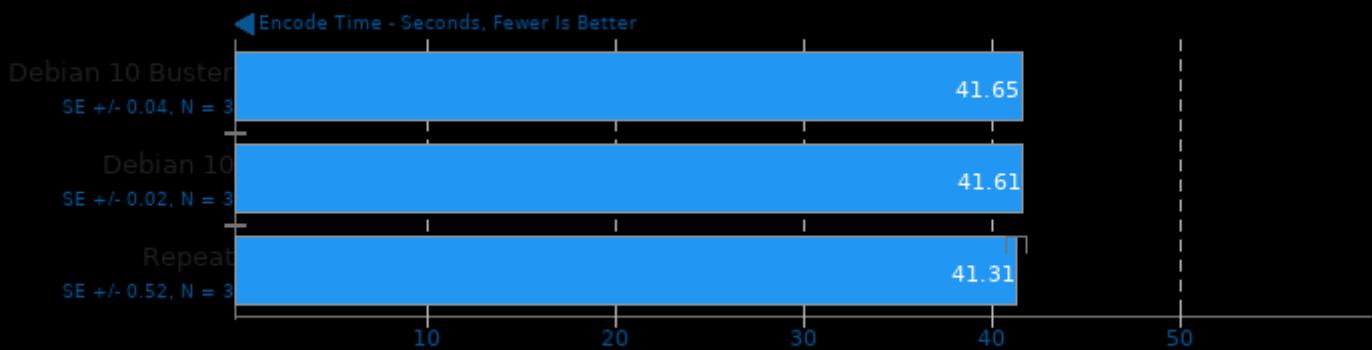
Encode Settings: Quality 100, Highest Compression



1. (CC) gcc options: -fvisibility=hidden -O2 -pthread -lm -ljpeg -lpng16 -ltiff

WebP Image Encode 1.1

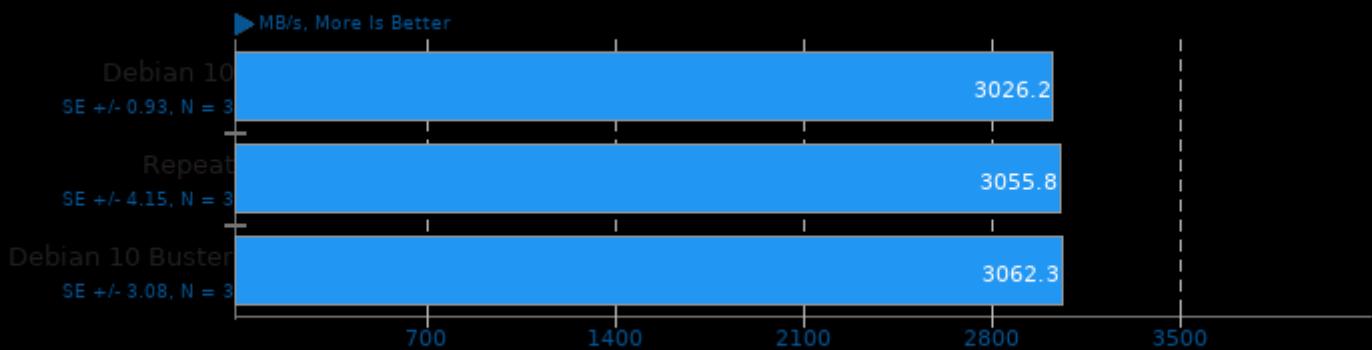
Encode Settings: Quality 100, Lossless, Highest Compression



1. (CC) gcc options: -fvisibility=hidden -O2 -pthread -ljpeg -lpng16 -ltiff

Zstd Compression 1.4.5

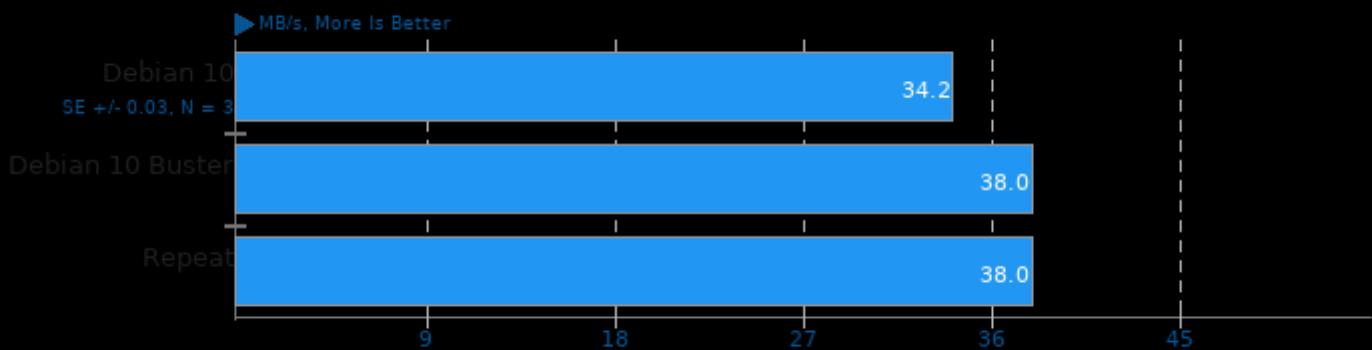
Compression Level: 3



1. (CC) gcc options: -O3 -pthread -lz -llzma

Zstd Compression 1.4.5

Compression Level: 19

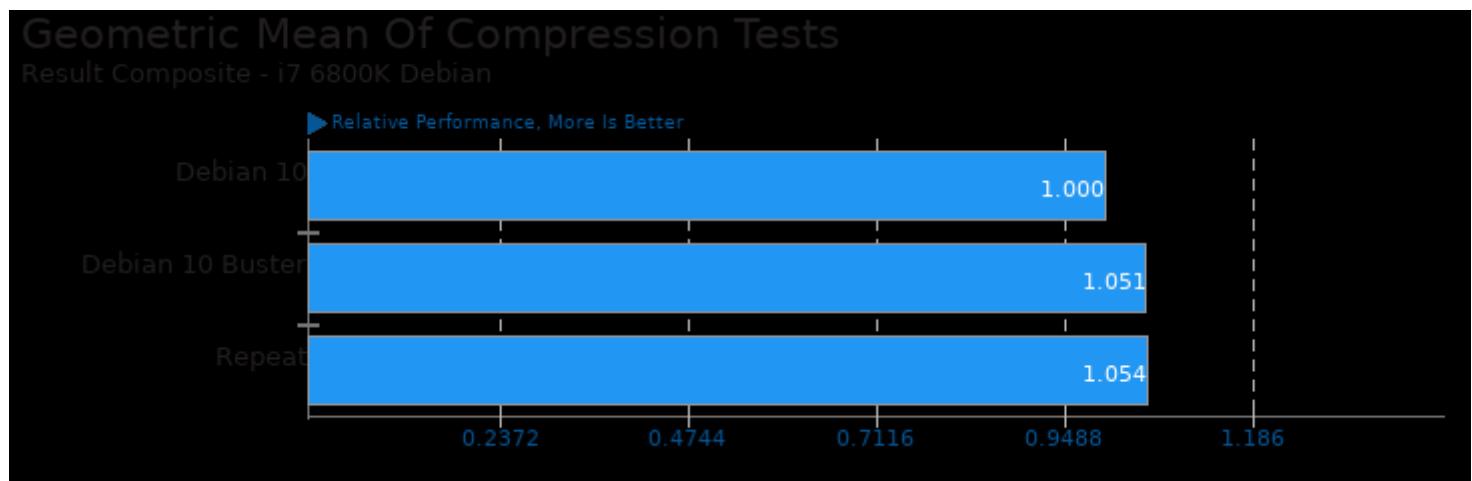


1. (CC) gcc options: -O3 -pthread -lz -llzma

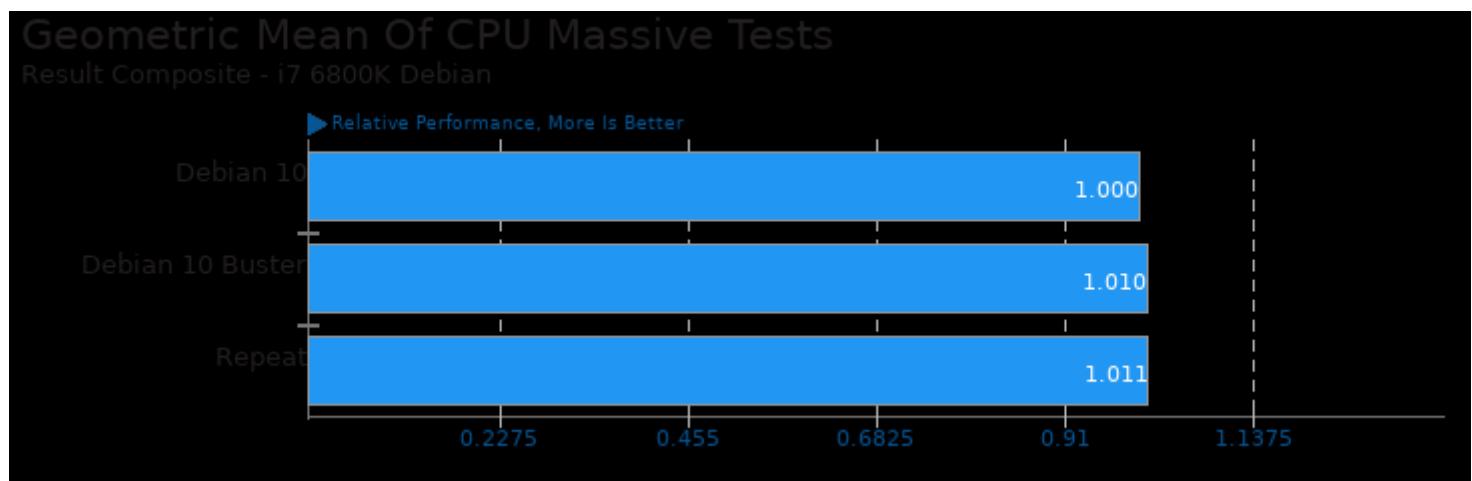
These geometric means are based upon test groupings / test suites for this result file.



Geometric mean based upon tests: pts/build-llvm, pts/compress-zstd, pts/lammps and pts/aom-av1



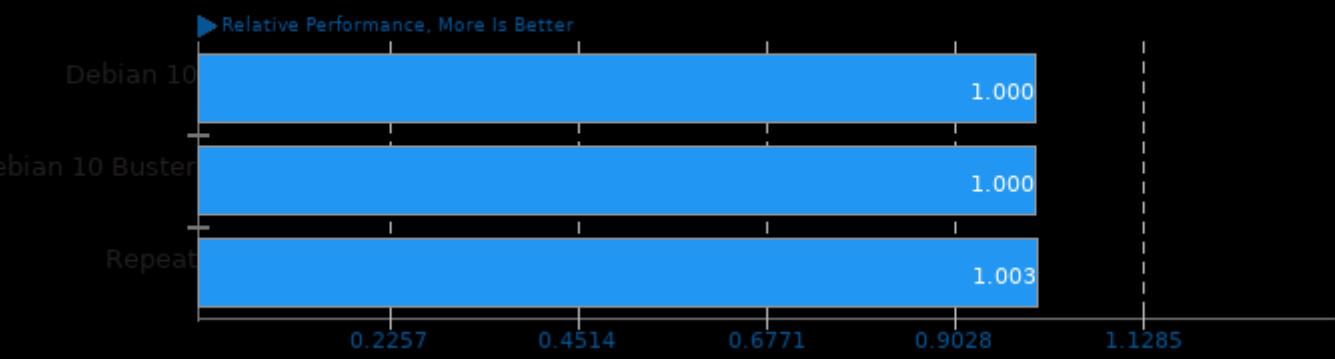
Geometric mean based upon tests: pts/compress-zstd and pts/system-decompress-gzip



Geometric mean based upon tests: pts/build-llvm, pts/compress-zstd, pts/lammps, pts/namd and pts/blender

Geometric Mean Of Creator Workloads Tests

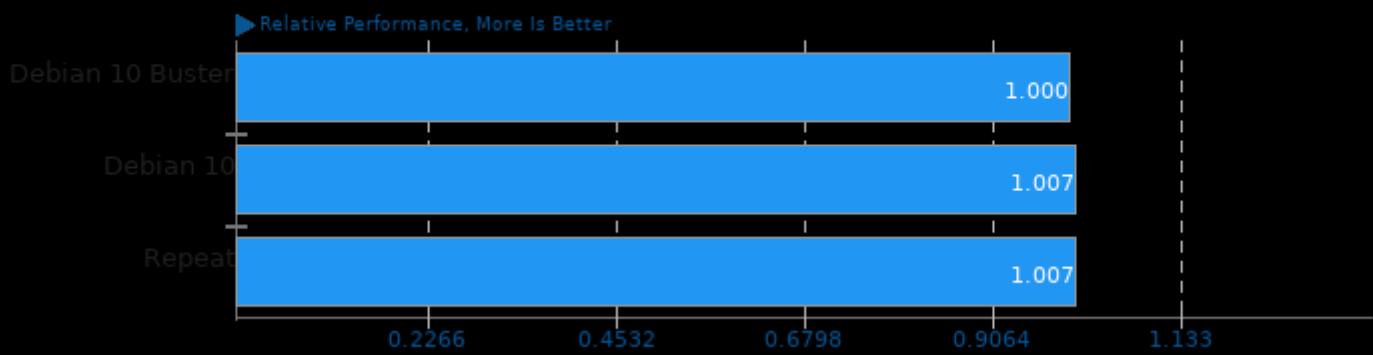
Result Composite - i7 6800K Debian



Geometric mean based upon tests: pts/blender, pts/aom-av1, pts/libraw, pts/webp, pts/dcraw and pts/espeak

Geometric Mean Of Fortran Tests

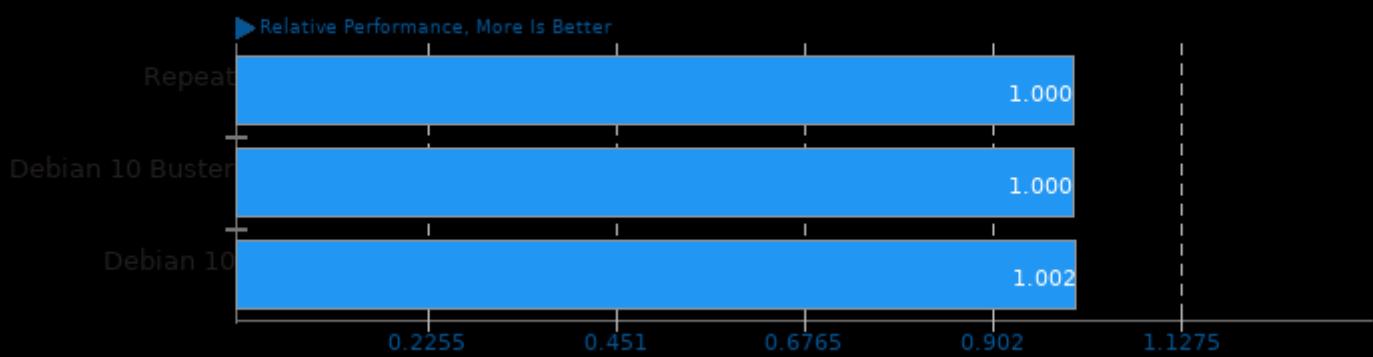
Result Composite - i7 6800K Debian



Geometric mean based upon tests: pts/incompact3d, pts/lammps and pts/mocassin

Geometric Mean Of HPC - High Performance Computing Tests

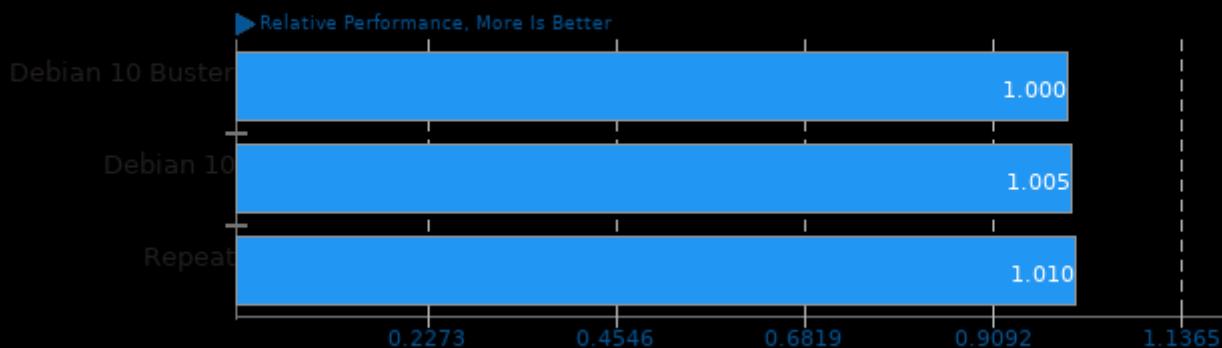
Result Composite - i7 6800K Debian



Geometric mean based upon tests: pts/namd, pts/lammps, pts/incompact3d, pts/gpaw, pts/mocassin, pts/kripke, pts/mnn, pts/ncnn, pts/openCV and pts/tensorflow-lite

Geometric Mean Of Imaging Tests

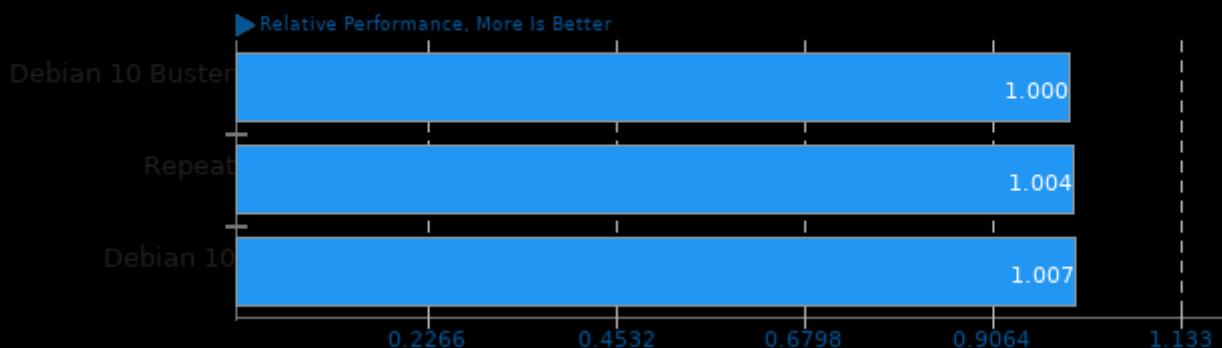
Result Composite - i7 6800K Debian



Geometric mean based upon tests: pts/libraw, pts/webp and pts/draw

Geometric Mean Of Machine Learning Tests

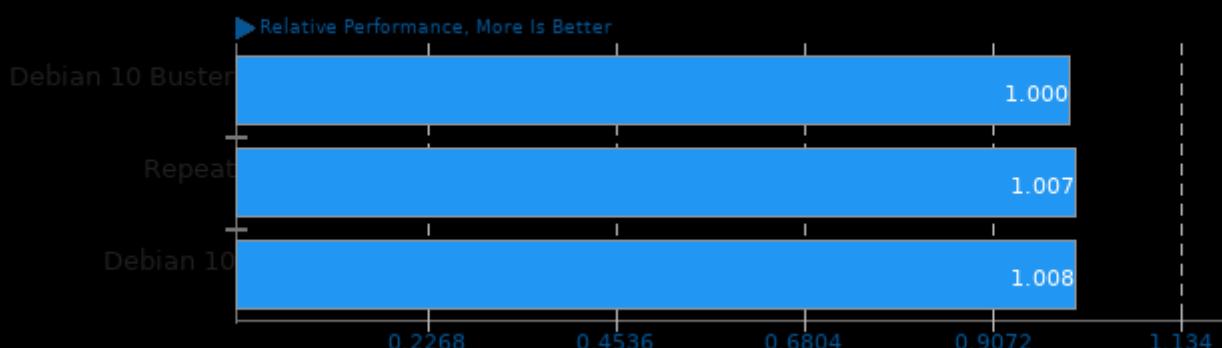
Result Composite - i7 6800K Debian



Geometric mean based upon tests: pts/mnn, pts/ncnn, pts/opencv and pts/tensorflow-lite

Geometric Mean Of Molecular Dynamics Tests

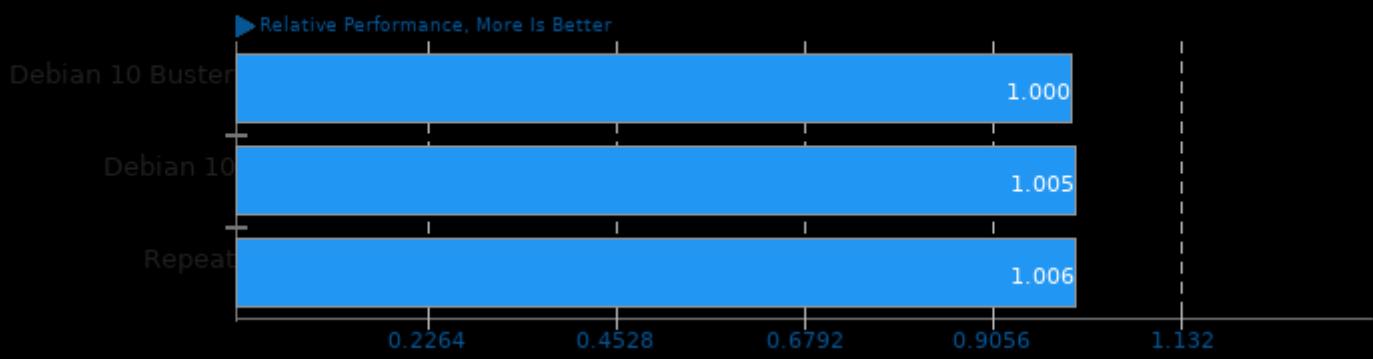
Result Composite - i7 6800K Debian



Geometric mean based upon tests: pts/namd, pts/lammps and pts/incompact3d

Geometric Mean Of MPI Benchmarks Tests

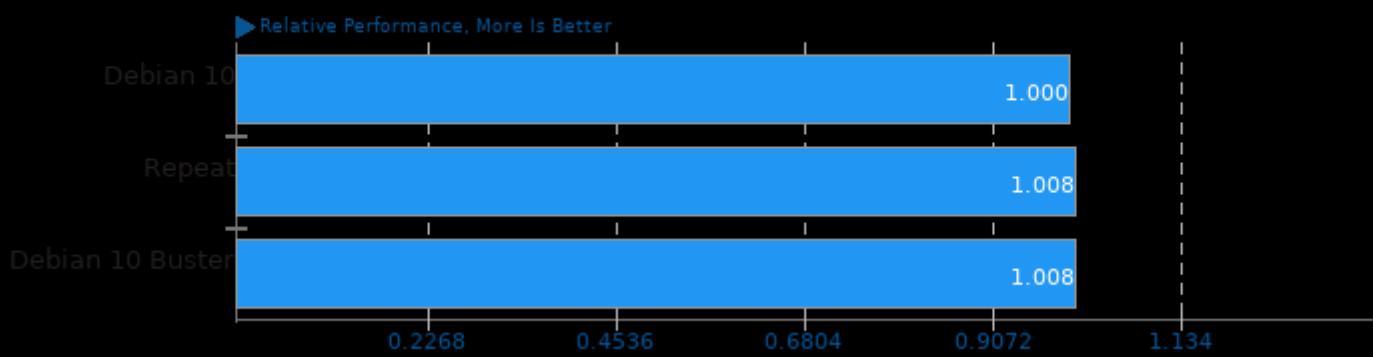
Result Composite - i7 6800K Debian



Geometric mean based upon tests: pts/lammps, pts/incompact3d, pts/gpaw and pts/mocassin

Geometric Mean Of Multi-Core Tests

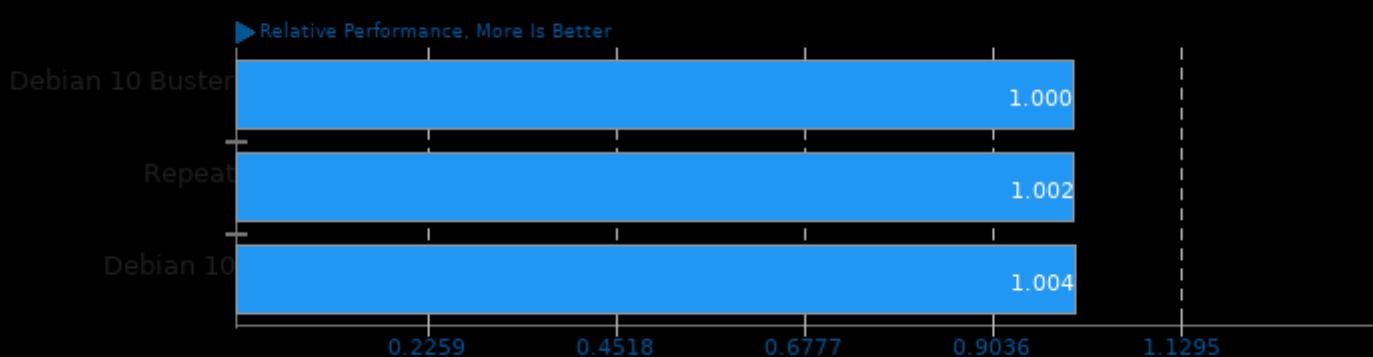
Result Composite - i7 6800K Debian



Geometric mean based upon tests: pts/blender, pts/aom-av1, pts/namd, pts/lammps, pts/compress-zstd and pts/build-llvm

Geometric Mean Of NVIDIA GPU Compute Tests

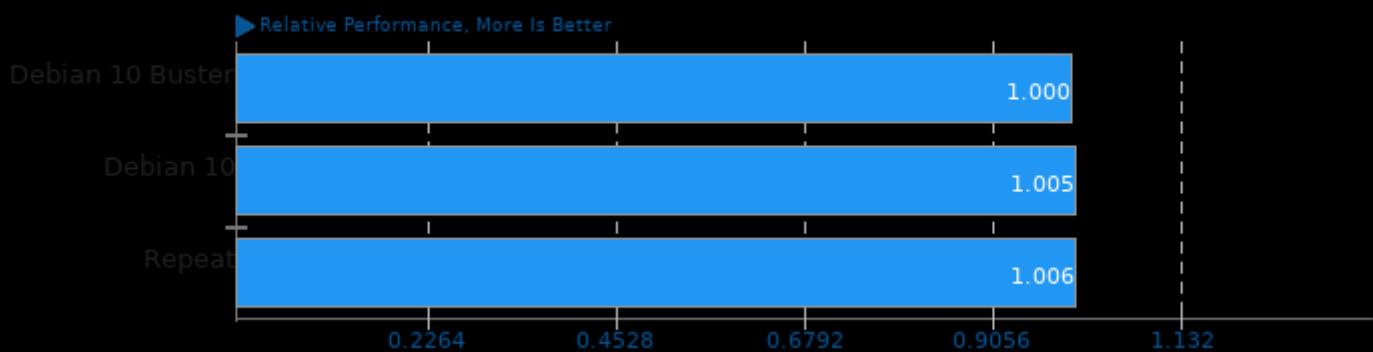
Result Composite - i7 6800K Debian



Geometric mean based upon tests: pts/blender and pts/ncnn

Geometric Mean Of OpenMPI Tests

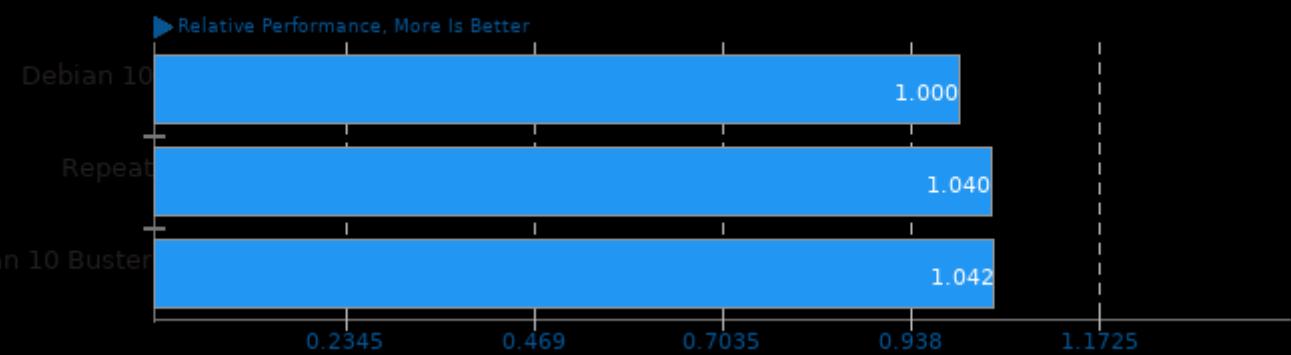
Result Composite - i7 6800K Debian



Geometric mean based upon tests: pts/gpaw, pts/incompact3d, pts/lammps and pts/mocassin

Geometric Mean Of Programmer / Developer System Benchmarks Tests

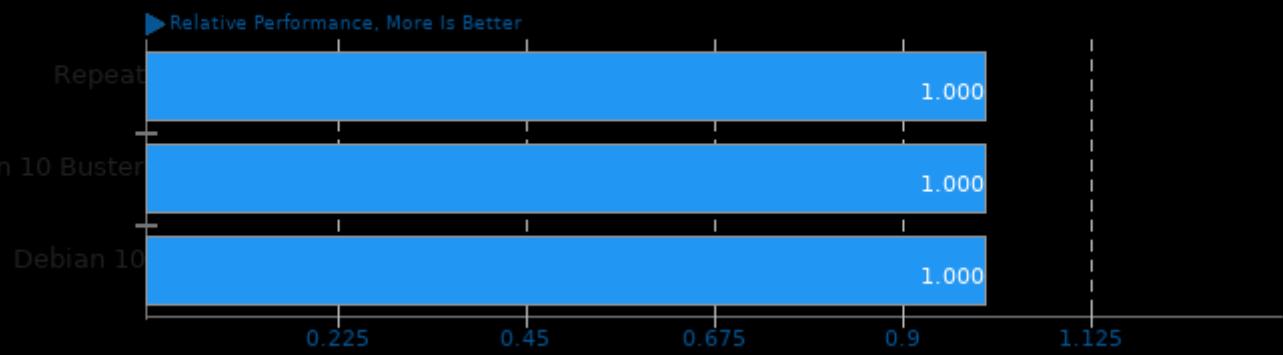
Result Composite - i7 6800K Debian



Geometric mean based upon tests: pts/compress-zstd and pts/build-llvm

Geometric Mean Of Python Tests

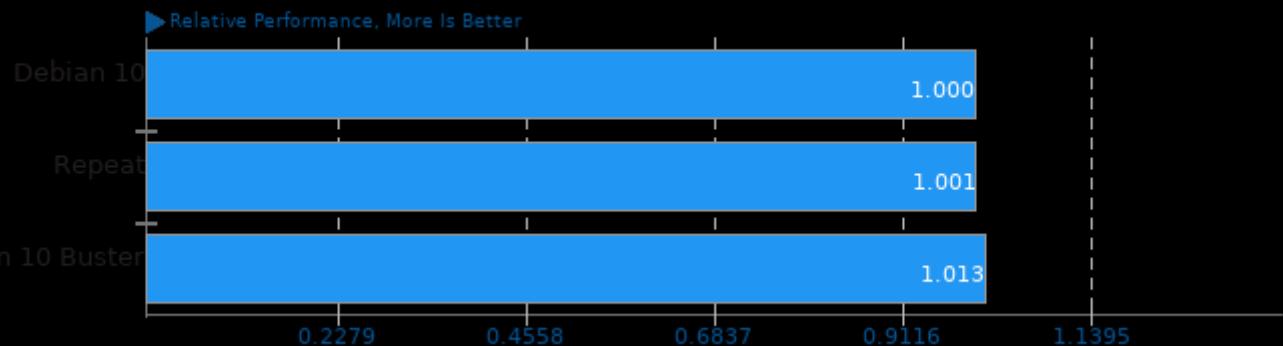
Result Composite - i7 6800K Debian



Geometric mean based upon tests: pts/gpaw and pts/build-llvm

Geometric Mean Of Scientific Computing Tests

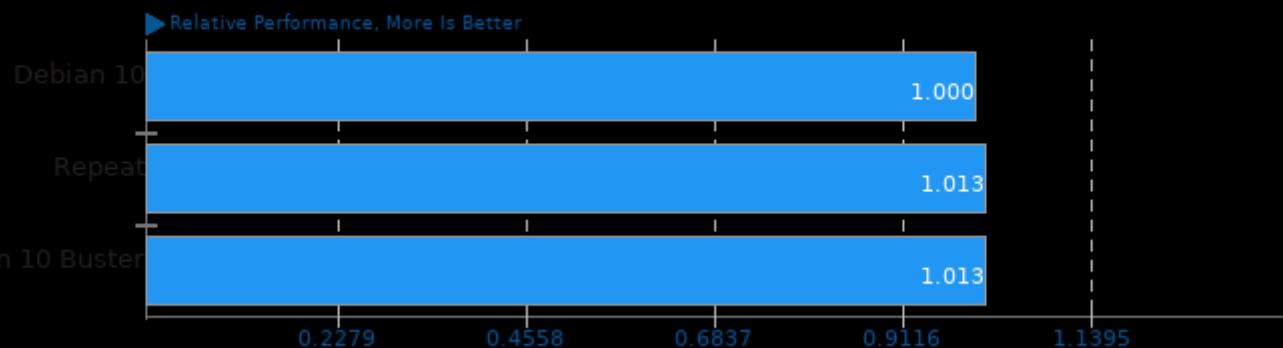
Result Composite - i7 6800K Debian



Geometric mean based upon tests: pts/namd, pts/lammps, pts/incompact3d, pts/gpaw, pts/mocassin and pts/kripke

Geometric Mean Of Server CPU Tests

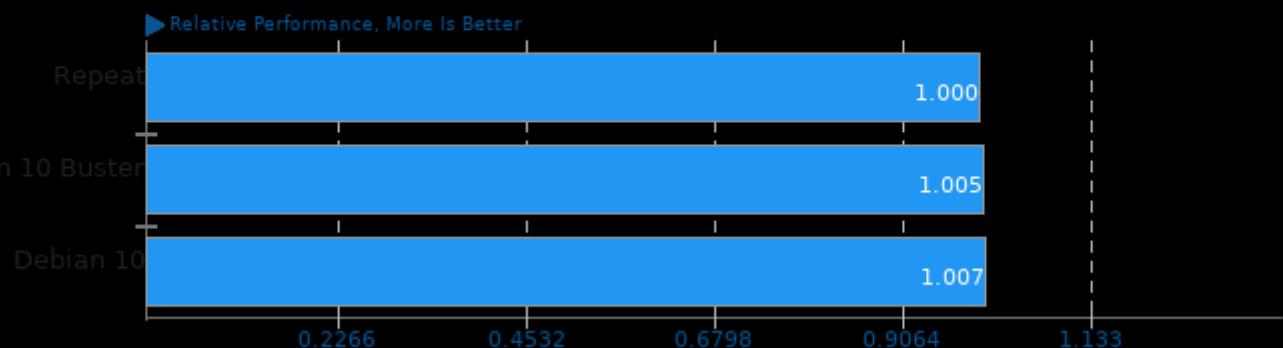
Result Composite - i7 6800K Debian



Geometric mean based upon tests: pts/namd, pts/build-llvm, pts/compress-zstd and pts/blender

Geometric Mean Of Single-Threaded Tests

Result Composite - i7 6800K Debian



Geometric mean based upon tests: pts/dcraw and pts/espeak

This file was automatically generated via the Phoronix Test Suite benchmarking software on Friday, 29 March 2024 04:55.