



www.phoronix-test-suite.com

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
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%
Blender - Barbershop - CPU-Only (sec)	1053	1045	1048
Normalized	99.28%	100%	99.76%
Standard Deviation	1.1%	0.1%	0.1%
Timed LLVM Compilation - Time To Compile (sec)	886.587	881.705	883.997
Normalized	99.45%	100%	99.74%
Standard Deviation	0.5%	0.3%	0.2%
Blender - Pabellon Barcelona - CPU-Only (sec)	876.25	872.30	876.86

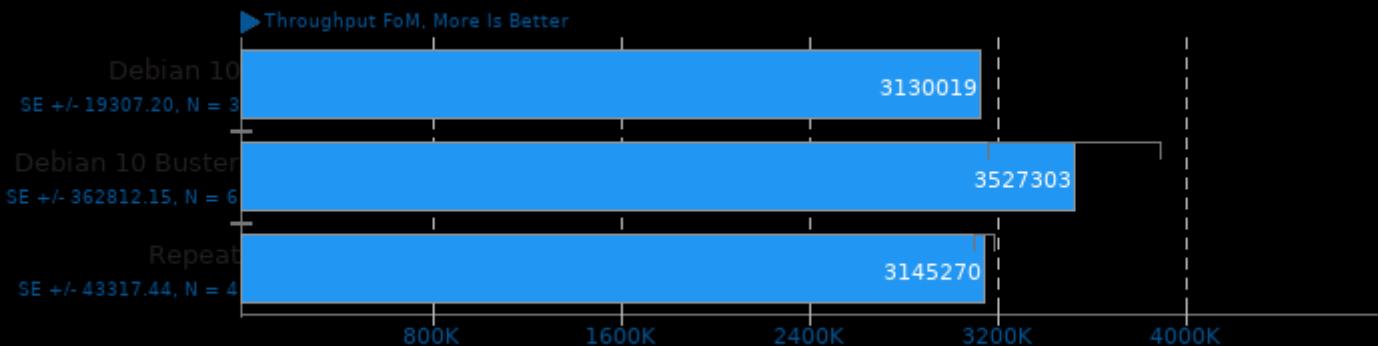
	Normalized	99.55%	100%	99.48%
	Standard Deviation	0.1%	0.4%	0.1%
Blender - Classroom - CPU-Only (sec)	786.59	796.08		790.46
	Normalized	100%	98.81%	99.51%
	Standard Deviation	0.2%	0.7%	0.6%
Incompact3D - Cylinder (sec)	535.034912	550.102097		536.131409
	Normalized	100%	97.26%	99.8%
	Standard Deviation	0.4%	2.6%	0.2%
GPAW - Carbon Nanotube (sec)	436.433	436.385	436.322	
	Normalized	99.97%	99.99%	100%
	Standard Deviation	0.1%	0.1%	0.3%
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 - BMW27 - CPU-Only (sec)	259.45	260.13	259.34	
	Normalized	99.96%	99.7%	100%
	Standard Deviation	0.3%	0.4%	0.1%
Monte Carlo Simulations of Ionised Nebulae	253	252	252	
- Dust 2D tau100.0 (sec)				
	Normalized	99.6%	100%	100%
	Standard Deviation	0.2%		
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%
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 - alexnet (ms)	15.78	15.73	15.71	
	Normalized	99.56%	99.87%	100%
	Standard Deviation	1%	0.4%	0.4%
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 - 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 - 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 - blazeface (ms)	1.98	2.02	2.05	
	Normalized	100%	98.02%	96.59%
	Standard Deviation	1.3%	3%	2.1%
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 - squeezenet (ms)	4.58	4.59	4.56	
	Normalized	99.56%	99.35%	100%
	Standard Deviation	1.1%	0.9%	0.3%
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_int8 (ms)	22.38	22.96	22.88	
	Normalized	100%	97.47%	97.81%
	Standard Deviation	2.4%	0.3%	0.8%
TensorFlow Lite - Inception V4 (us)	5425967	5428113	5425307	

	Normalized	99.99%	99.95%	100%
	Standard Deviation	0%	0%	0.1%
TensorFlow Lite - I.R.V (us)	4888407	4888160	4889750	
	Normalized	99.99%	100%	99.97%
	Standard Deviation	0.1%	0.1%	0.1%
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%
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%
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 - 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 - 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 - SqueezeNetV1.0	7.681	7.687	7.704	
	Normalized	100%	99.92%	99.7%
	Standard Deviation	0.7%	0.8%	0.3%
InfluxDB - 64 - 10000 - 2,5000,1 - 10000	983617	977784	990405	(val/sec)
	Normalized	99.31%	98.73%	100%
	Standard Deviation	1.2%	2.7%	2.1%
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 - 1024 - 10000 - 2,5000,1 - 10000	1089453	1096129	1099269	(val/sec)
	Normalized	99.11%	99.71%	100%
	Standard Deviation	1.5%	0.2%	1%
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%
Zstd Compression - 19 (MB/s)	34.2	38	38	
	Normalized	90%	100%	100%
	Standard Deviation	0.2%		
TensorFlow Lite - SqueezeNet (us)	370424	370419	370499	
	Normalized	100%	100%	99.98%
	Standard Deviation	0.1%	0.2%	0.1%
TensorFlow Lite - NASNet Mobile (us)	302458	302155	302017	
	Normalized	99.85%	99.95%	100%
	Standard Deviation	0.2%	0.3%	0.4%
TensorFlow Lite - Mobilenet Float (us)	254122	254280	253975	
	Normalized	99.94%	99.88%	100%
	Standard Deviation	0.2%	0.2%	0.1%
TensorFlow Lite - Mobilenet Quant (us)	246406	246397	246225	
	Normalized	99.93%	99.93%	100%
	Standard Deviation	0.2%	0.2%	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%
AOM AV1 - Speed 0 Two-Pass (FPS)	0.24	0.24	0.24	
	Standard Deviation	2.4%	2.4%	2.4%
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%
WebP Image Encode - Q.1.L.H.C (Encode Time - sec)	41.613	41.648	41.311	
	Normalized	99.27%	99.19%	100%
	Standard Deviation	0.1%	0.2%	2.2%
OpenCV - DNN - D.N.N (ms)	8326	9290	8743	
	Normalized	100%	89.62%	95.23%
	Standard Deviation	12.7%	13.4%	9.3%
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%
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%
Zstd Compression - 3 (MB/s)	3026	3062	3056	
	Normalized	98.82%	100%	99.79%
	Standard Deviation	0.1%	0.2%	0.2%
AOM AV1 - Speed 4 Two-Pass (FPS)	1.83	1.83	1.83	
	Standard Deviation	0.3%	0.3%	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%
WebP Image Encode - Q.1.L (Encode Time - sec)	19.790	19.819	19.239	
	Normalized	97.22%	97.07%	100%
	Standard Deviation	0.2%	0.3%	2.3%
OSBench - Create Threads (us/Event)	11.610190	12.149334	12.640794	
	Normalized	100%	95.56%	91.85%
	Standard Deviation	2.5%	9.8%	11.4%
System GZIP Decompression (sec)	3.580	3.463	3.433	
	Normalized	95.89%	99.13%	100%
	Standard Deviation	10.9%	10%	3%
WebP Image Encode - Q.1.H.C (Encode Time - sec)	8.550	8.566	8.447	
	Normalized	98.8%	98.61%	100%
	Standard Deviation	0.3%	0.4%	2.9%
OSBench - Create Files (us/Event)	14.685416	14.684122	14.494470	
	Normalized	98.7%	98.71%	100%
	Standard Deviation	0.1%	1.3%	2.9%
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%
OSBench - Memory Allocations (Ns/Event)	84.364653	81.814369	84.232648	
	Normalized	96.98%	100%	97.13%
	Standard Deviation	0.1%	1.5%	0.3%
OSBench - Create Processes (us/Event)	23.462772	23.286343	23.643971	
	Normalized	99.25%	100%	98.49%
	Standard Deviation	1.7%	1.1%	1.8%

OSBench - Launch Programs (us/Event)	39.476554	40.109952	40.352344
Normalized	100%	98.42%	97.83%
Standard Deviation	0.2%	0.4%	0.1%
WebP Image Encode - Quality 100 (Encode Time - sec)	2.848	2.881	2.878
Normalized	100%	98.85%	98.96%
Standard Deviation	2.7%	0.5%	0.2%
WebP Image Encode - Default (Encode Time - sec)	1.875	1.877	1.845
Normalized	98.4%	98.3%	100%
Standard Deviation	2.7%	2.8%	2.6%

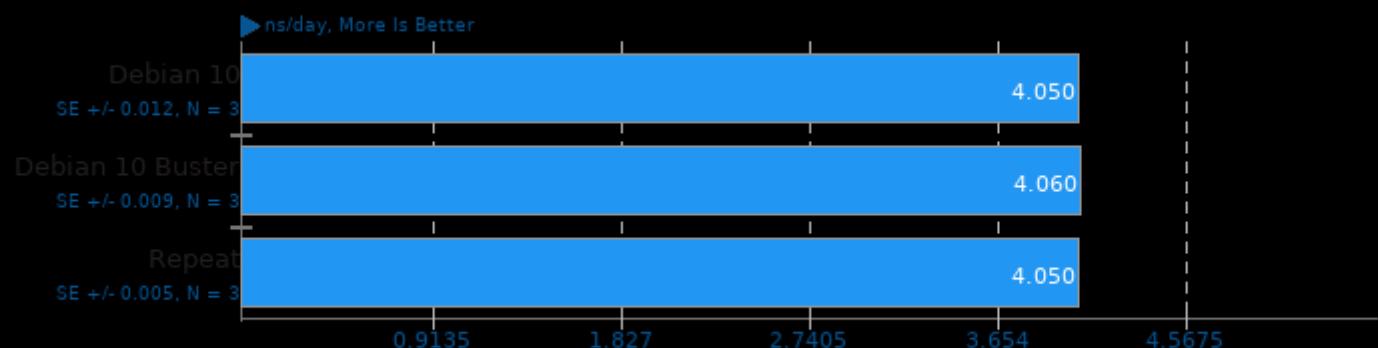
Kripke 1.2.4



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

LAMMPS Molecular Dynamics Simulator 24Aug2020

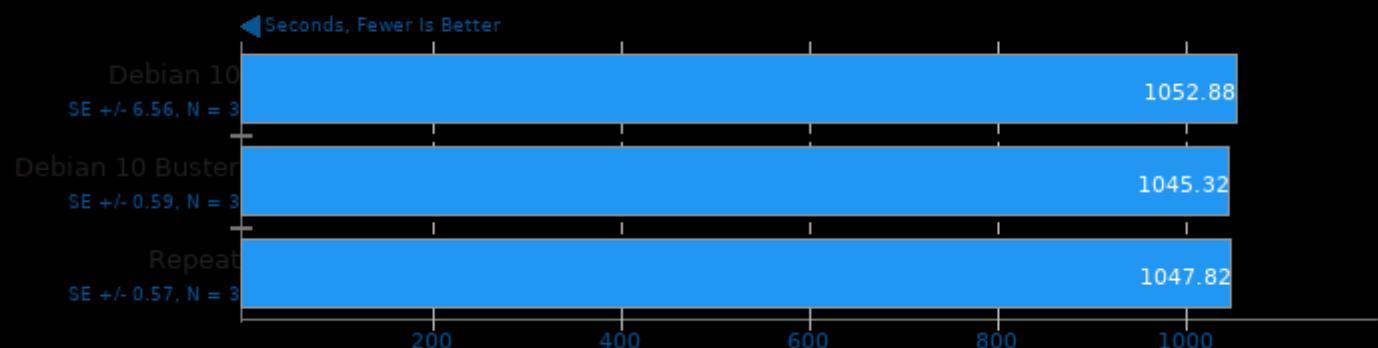
Model: 20k Atoms



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

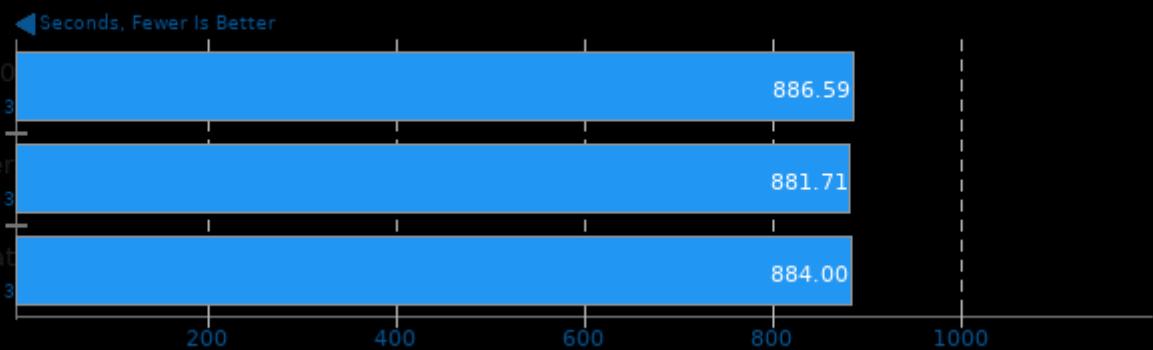
Blender 2.90

Blend File: Barbershop - Compute: CPU-Only



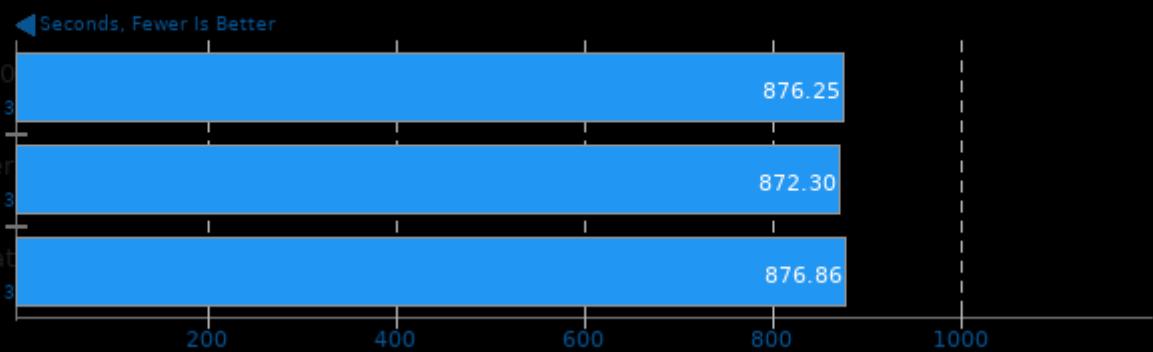
Timed LLVM Compilation 10.0

Time To Compile



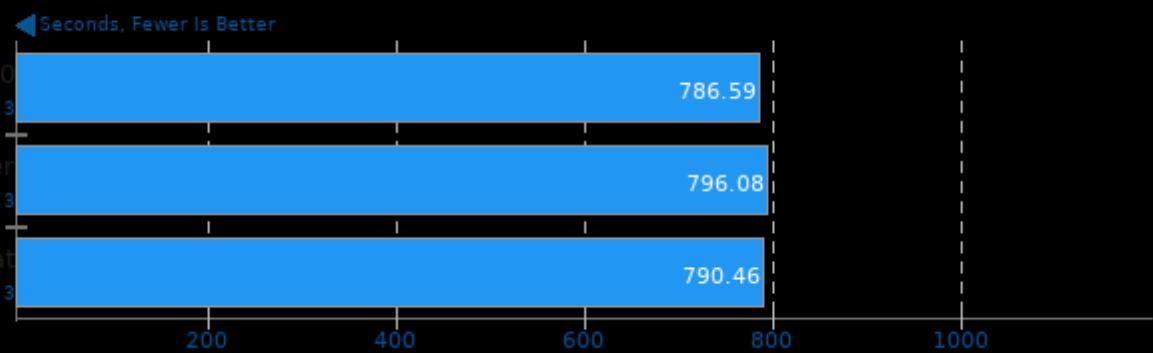
Blender 2.90

Blend File: Pabellon Barcelona - Compute: CPU-Only



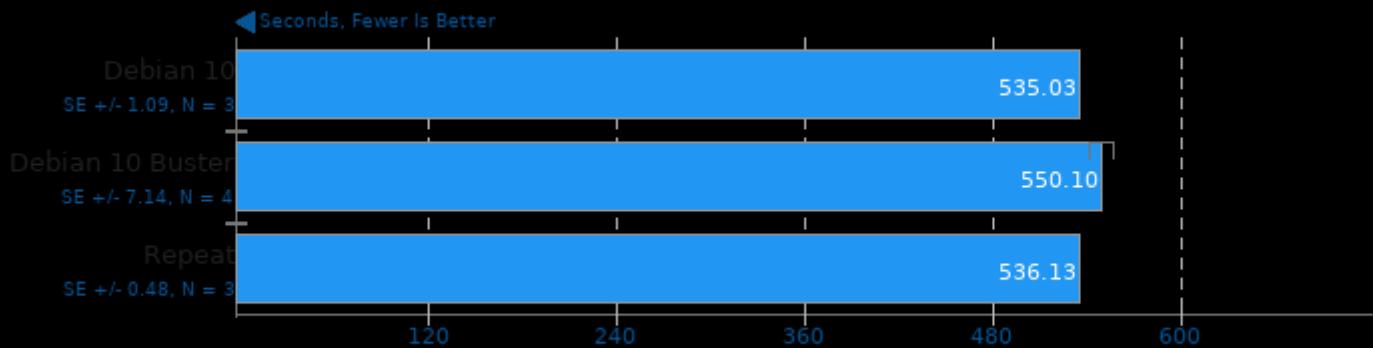
Blender 2.90

Blend File: Classroom - Compute: CPU-Only



Incompact3D 2020-09-17

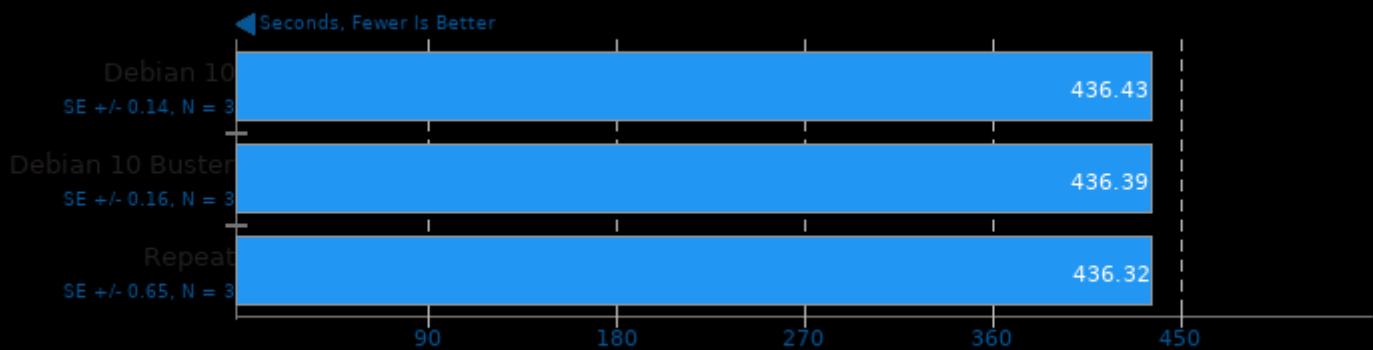
Input: Cylinder



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

GPAW 20.1

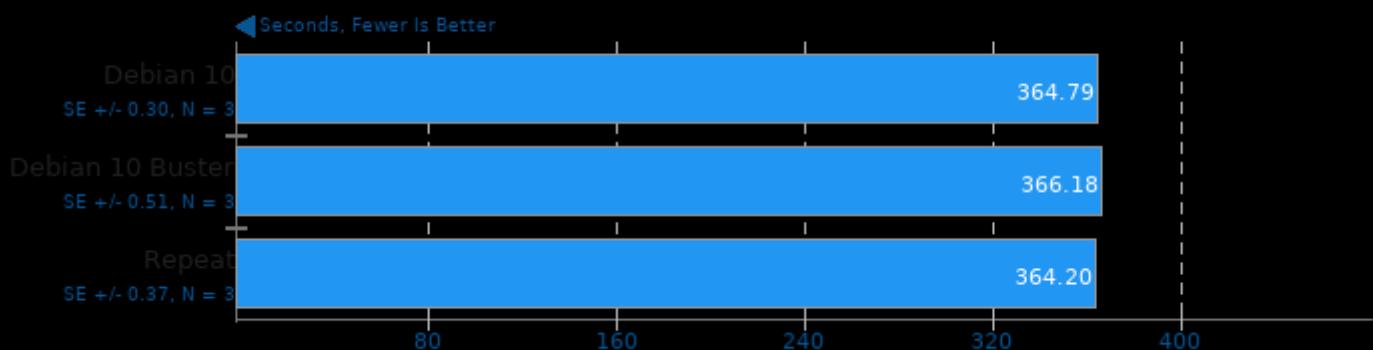
Input: Carbon Nanotube



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

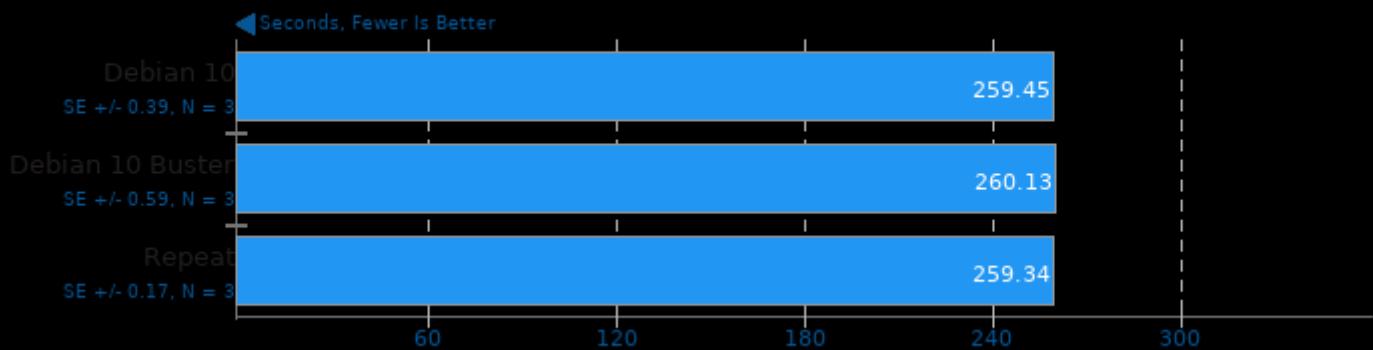
Blender 2.90

Blend File: Fishy Cat - Compute: CPU-Only



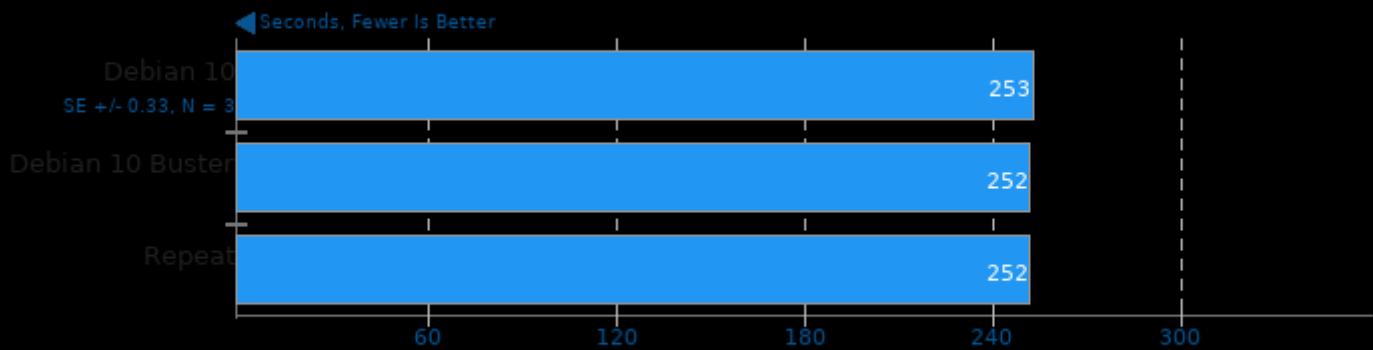
Blender 2.90

Blend File: BMW27 - Compute: CPU-Only



Monte Carlo Simulations of Ionised Nebulae 2019-03-24

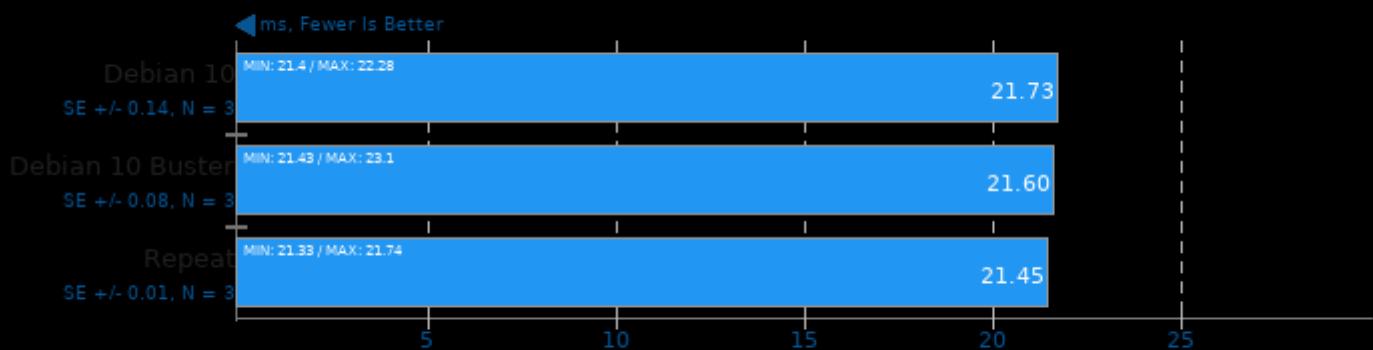
Input: Dust 2D tau100.0



1. (F9X) gfortran options: -cpp -fsource/ -ffree-line-length-0 -fno-std=legacy -O3 -O2 -fthread -lmpif08 -lmpifh -lmpi

NCNN 20200916

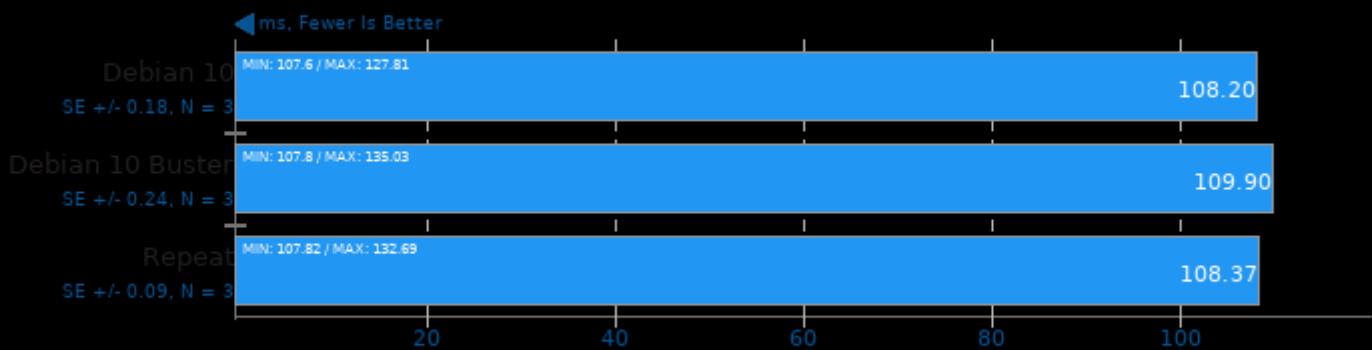
Target: CPU - Model: mobilenetv2_yolov3



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

NCNN 20200916

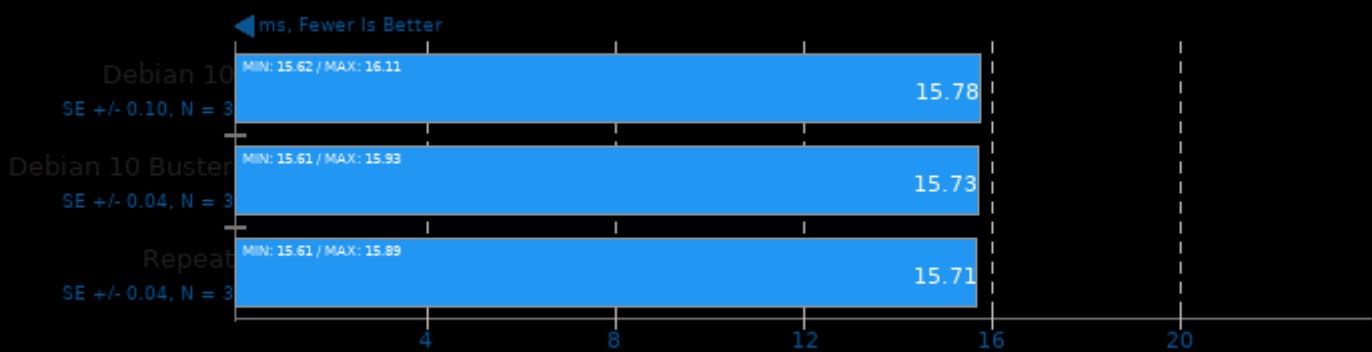
Target: CPU - Model: resnet50_int8



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

NCNN 20200916

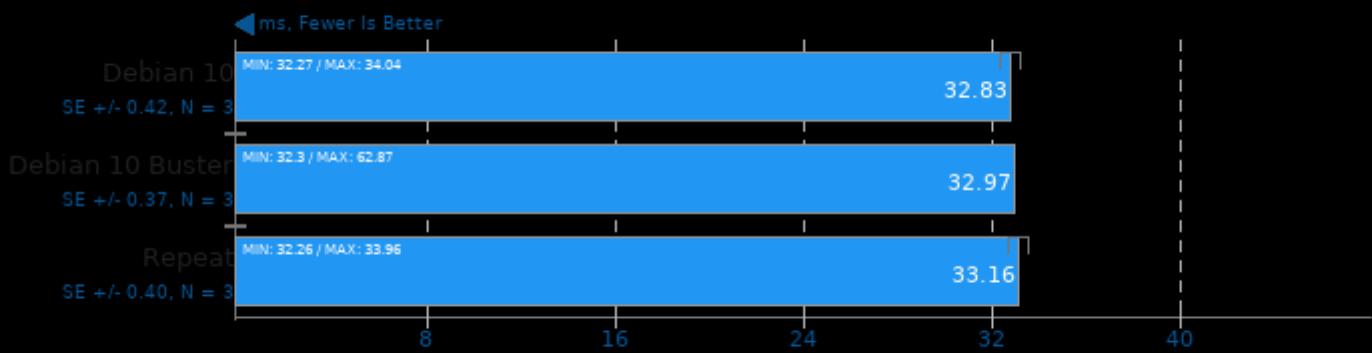
Target: CPU - Model: alexnet



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

NCNN 20200916

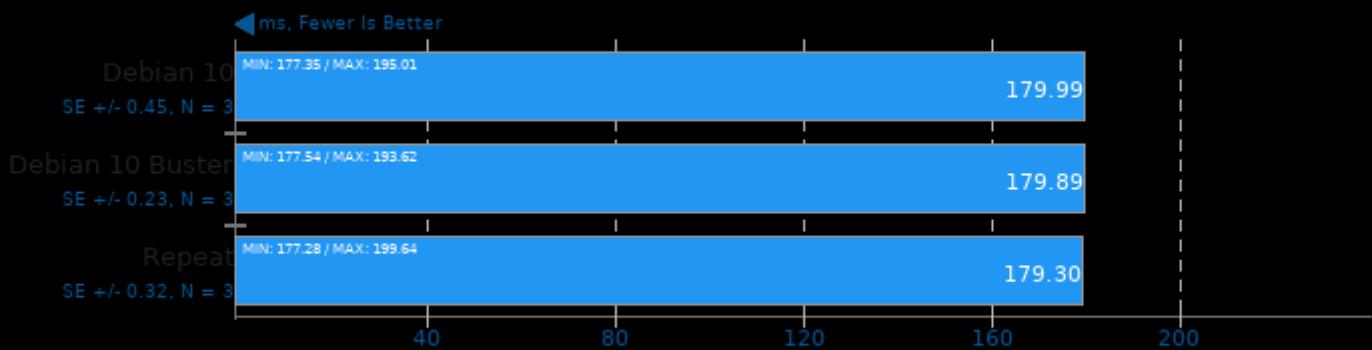
Target: CPU - Model: resnet18_int8



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

NCNN 20200916

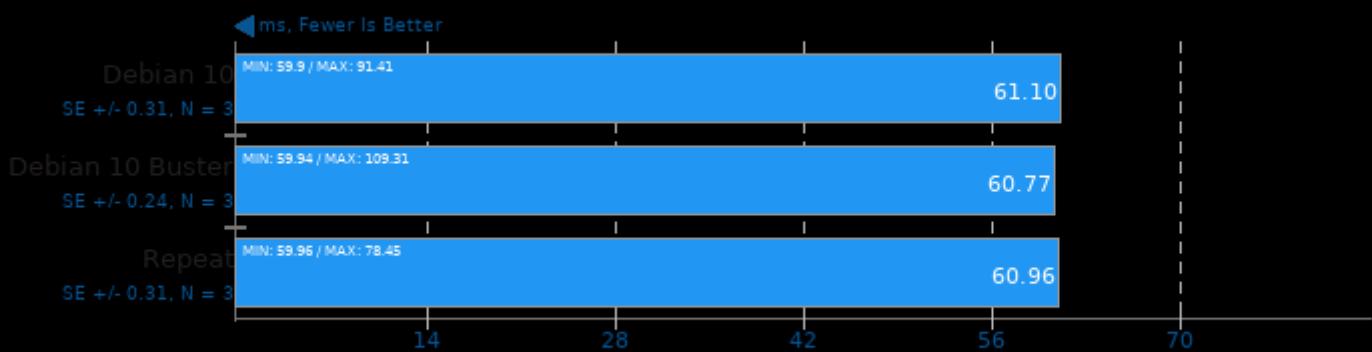
Target: CPU - Model: vgg16_int8



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

NCNN 20200916

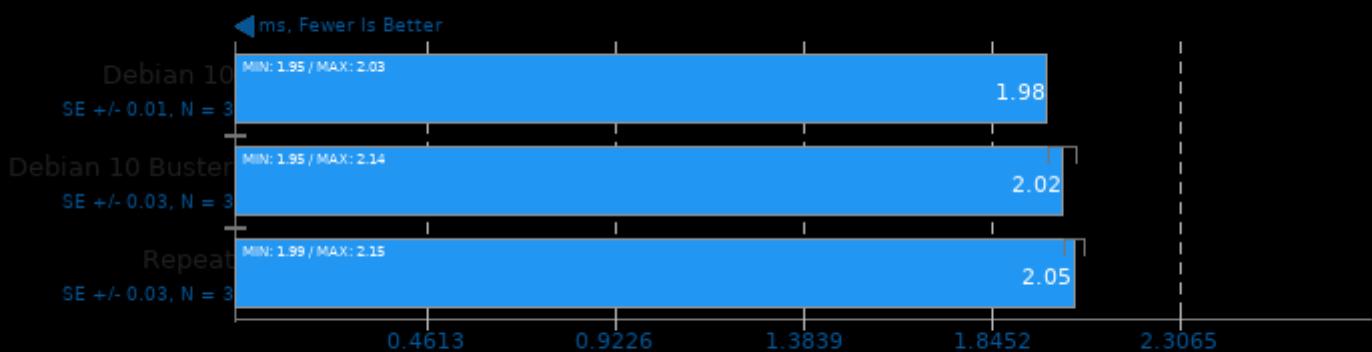
Target: CPU - Model: googlenet_int8



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

NCNN 20200916

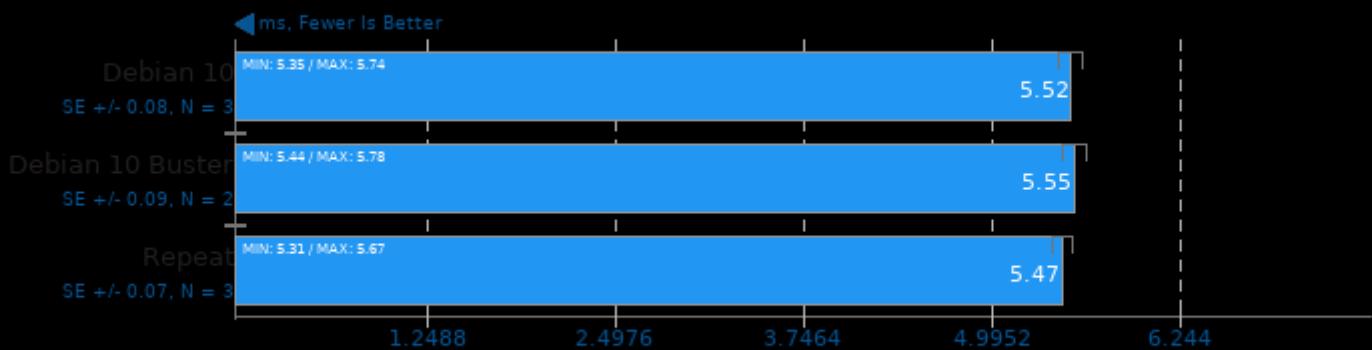
Target: CPU - Model: blazeface



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

NCNN 20200916

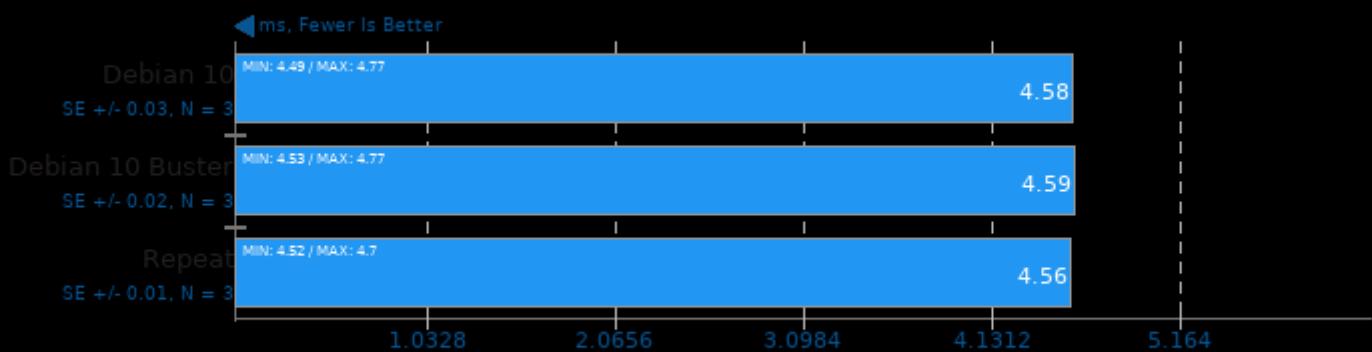
Target: CPU - Model: mnasnet



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

NCNN 20200916

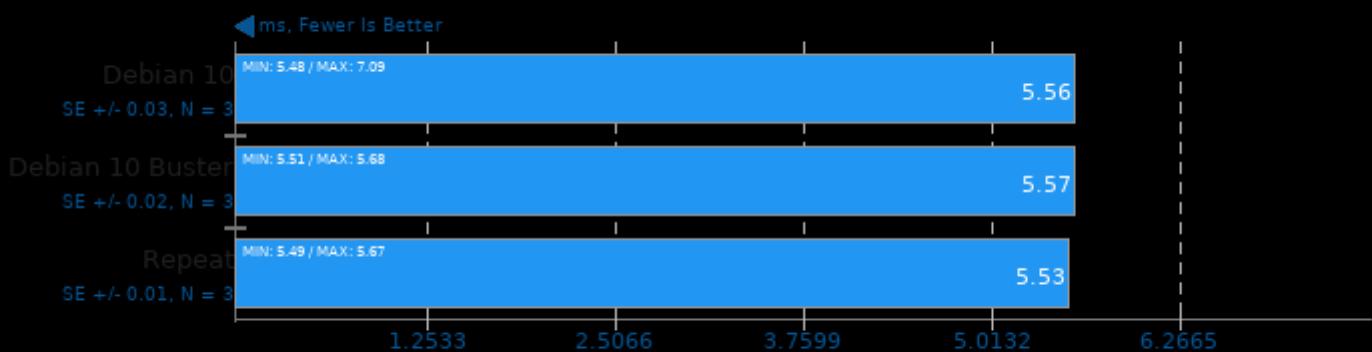
Target: CPU - Model: squeezenet



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

NCNN 20200916

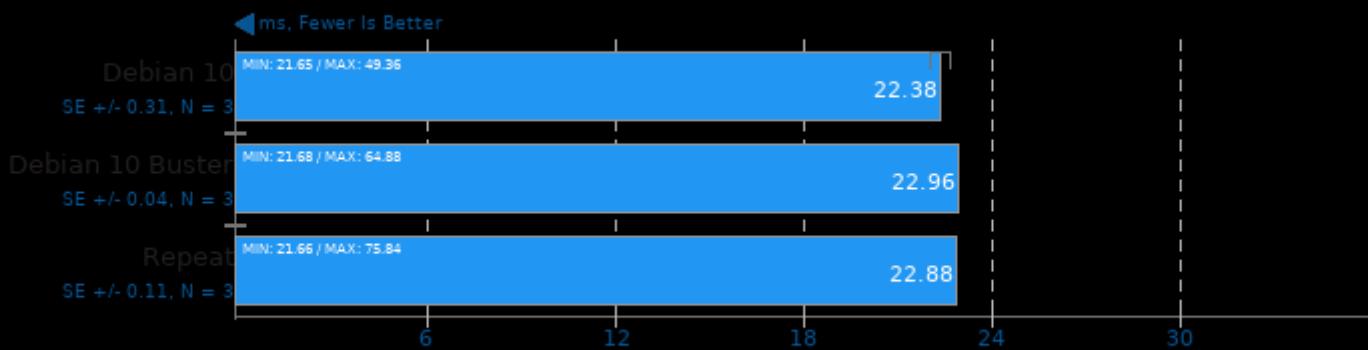
Target: CPU - Model: mobilenet_v3



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

NCNN 20200916

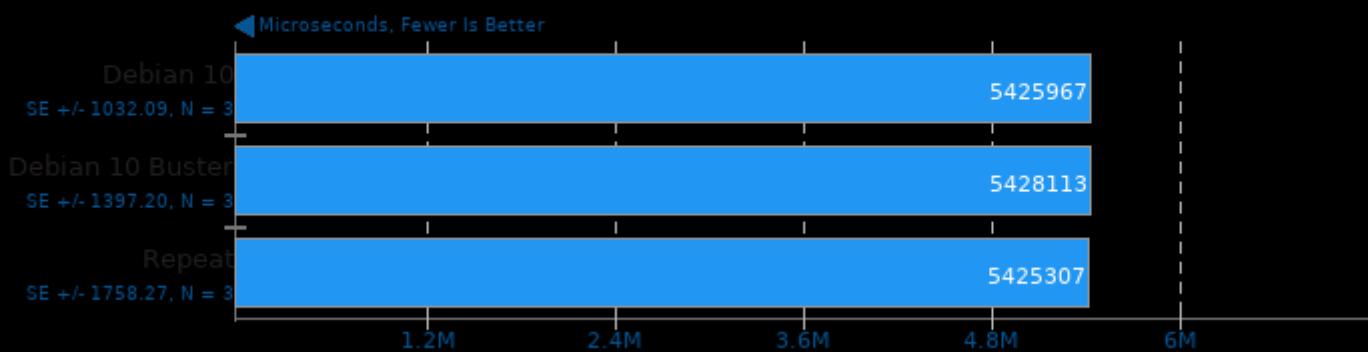
Target: CPU - Model: squeezeonet_int8



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

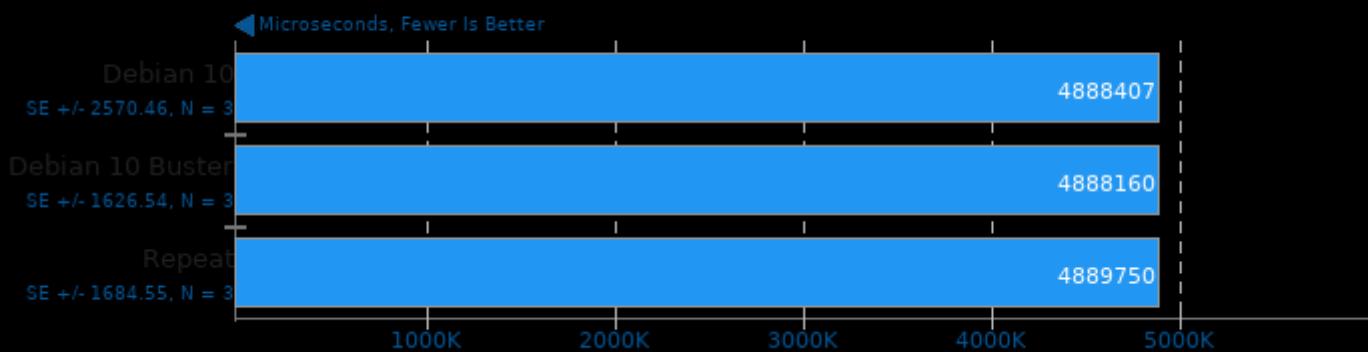
TensorFlow Lite 2020-08-23

Model: Inception V4



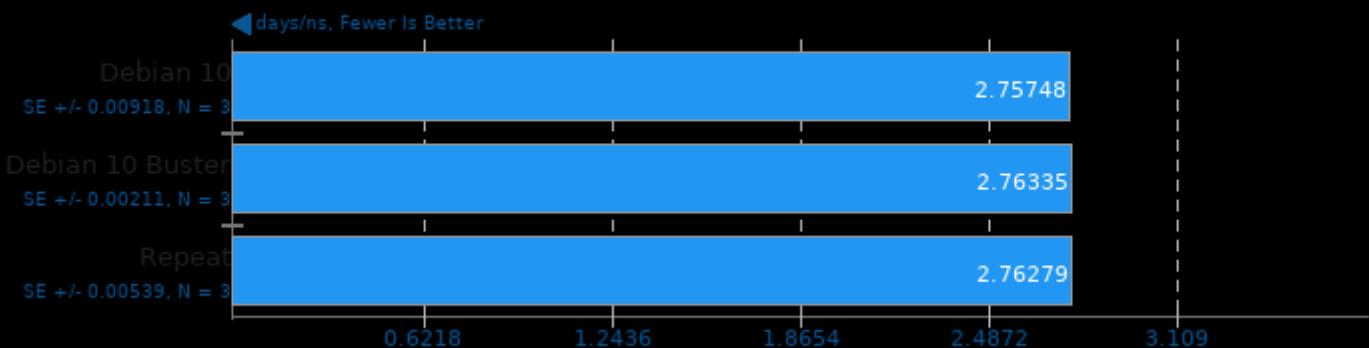
TensorFlow Lite 2020-08-23

Model: Inception ResNet V2



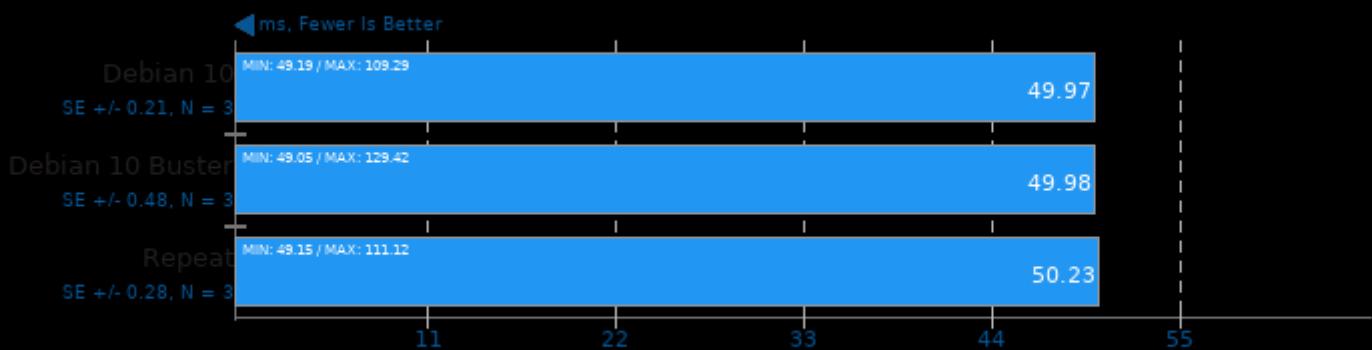
NAMD 2.14

ATPase Simulation - 327,506 Atoms



Mobile Neural Network 2020-09-17

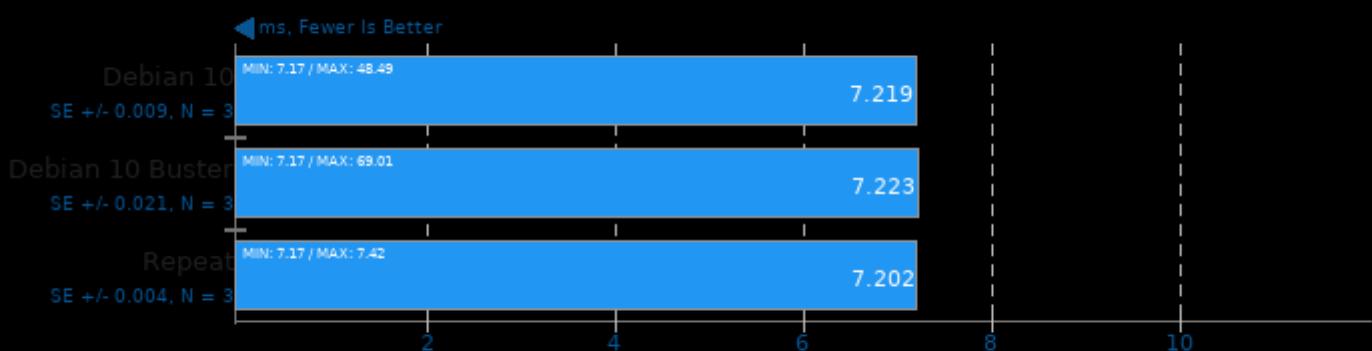
Model: inception-v3



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

Mobile Neural Network 2020-09-17

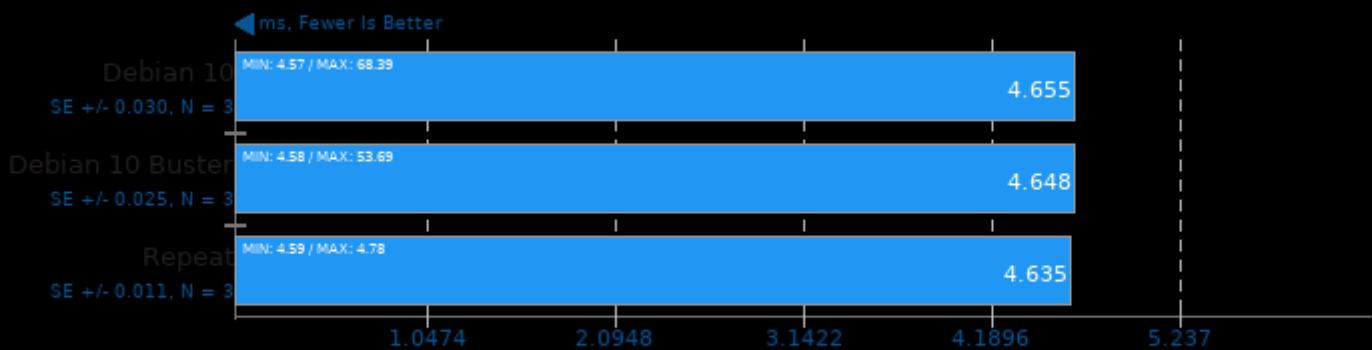
Model: mobilenet-v1-1.0



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

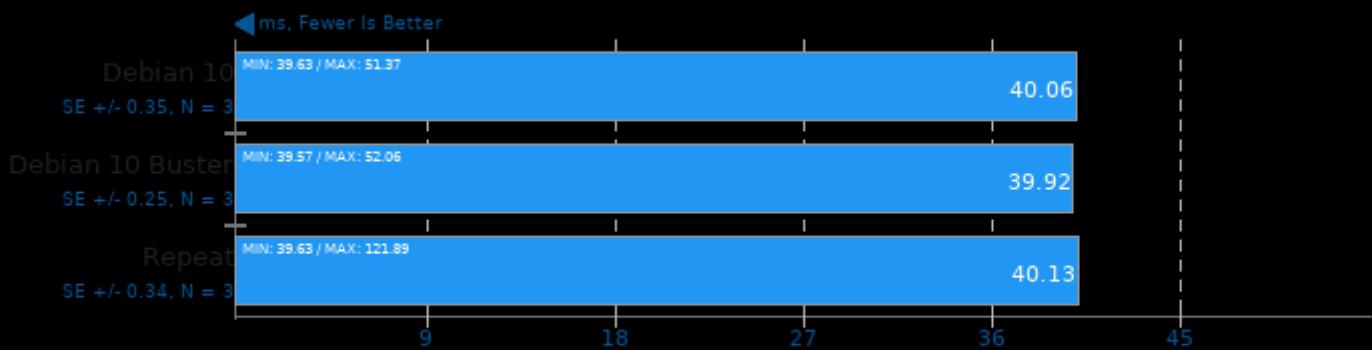
Model: MobileNetV2_224



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

Mobile Neural Network 2020-09-17

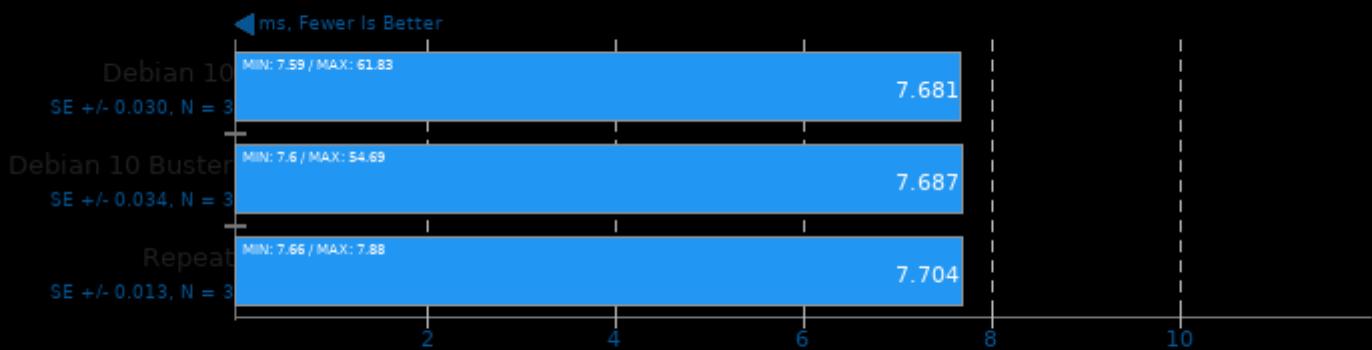
Model: resnet-v2-50



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

Mobile Neural Network 2020-09-17

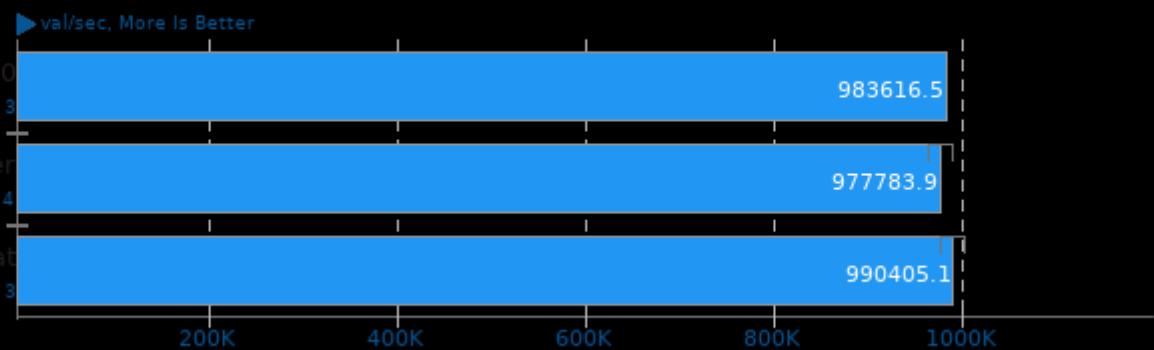
Model: SqueezeNetV1.0



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

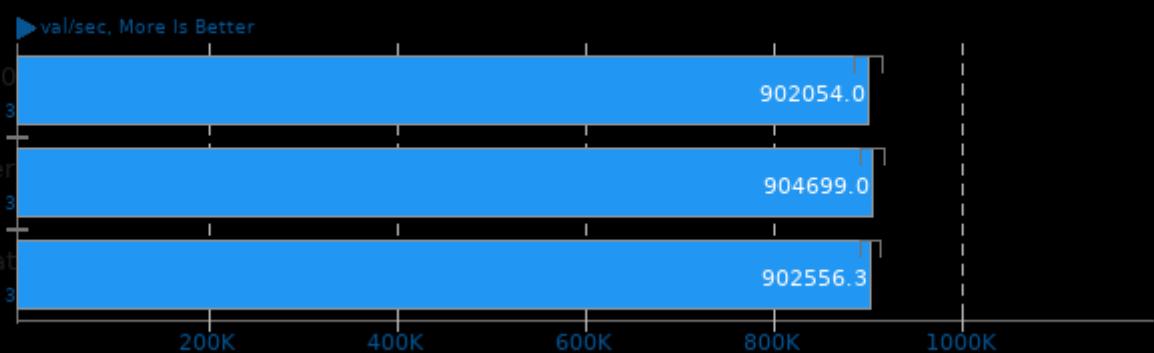
InfluxDB 1.8.2

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



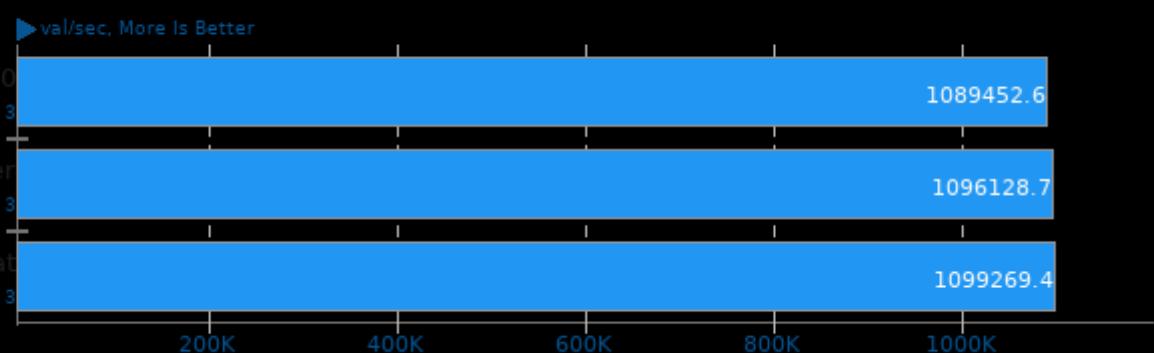
InfluxDB 1.8.2

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



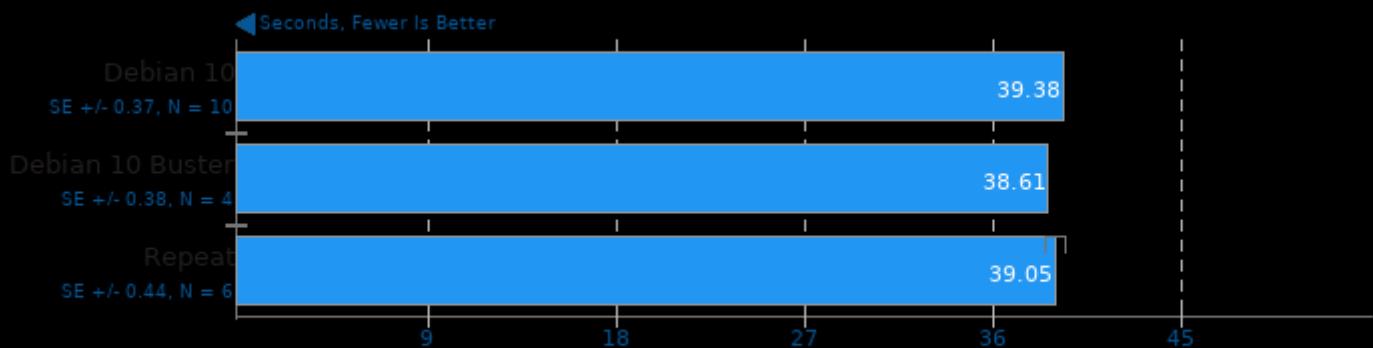
InfluxDB 1.8.2

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



eSpeak-NG Speech Engine 20200907

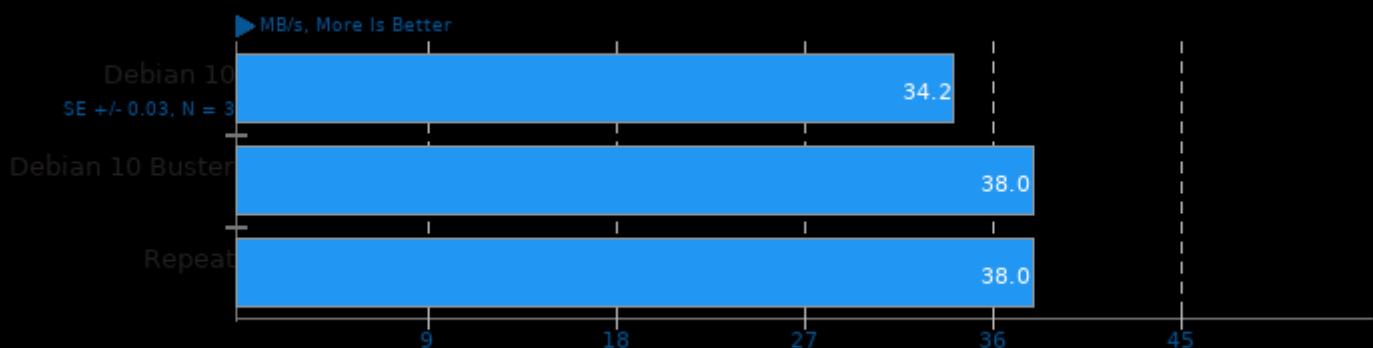
Text-To-Speech Synthesis



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

Zstd Compression 1.4.5

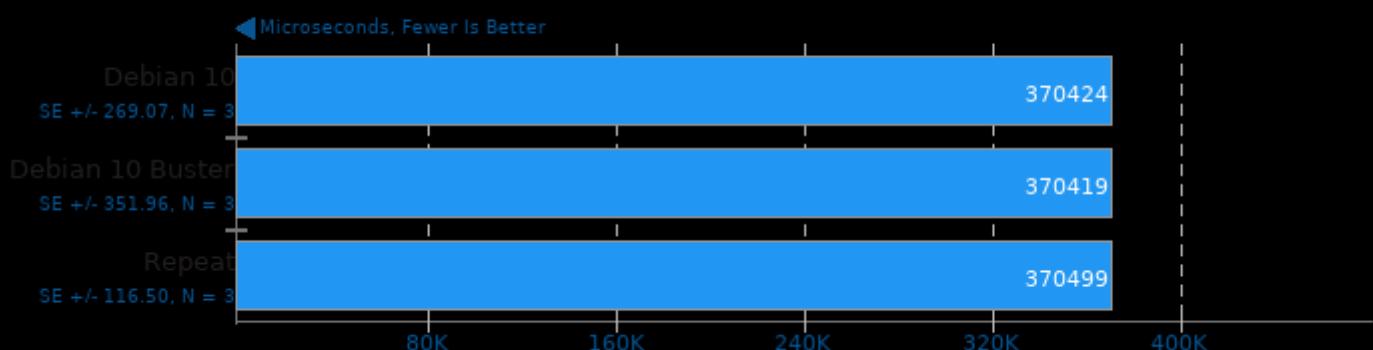
Compression Level: 19



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

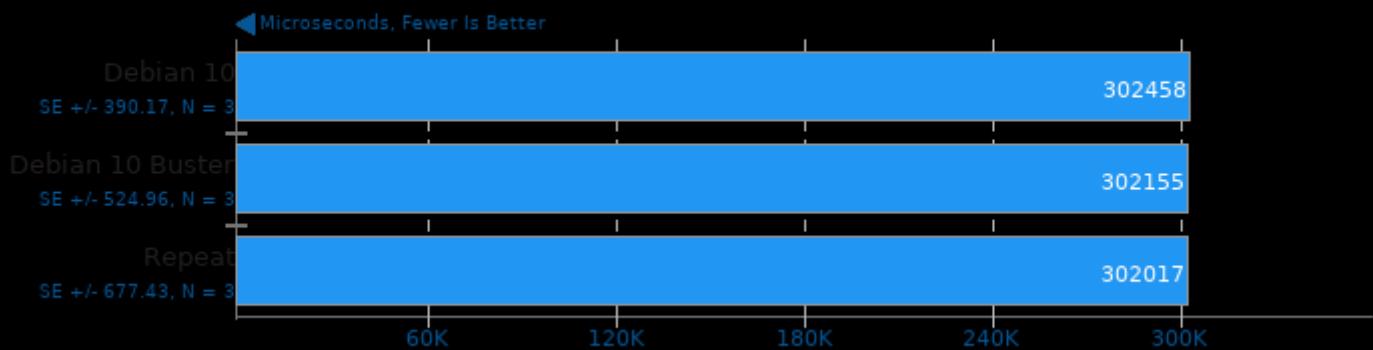
TensorFlow Lite 2020-08-23

Model: SqueezeNet



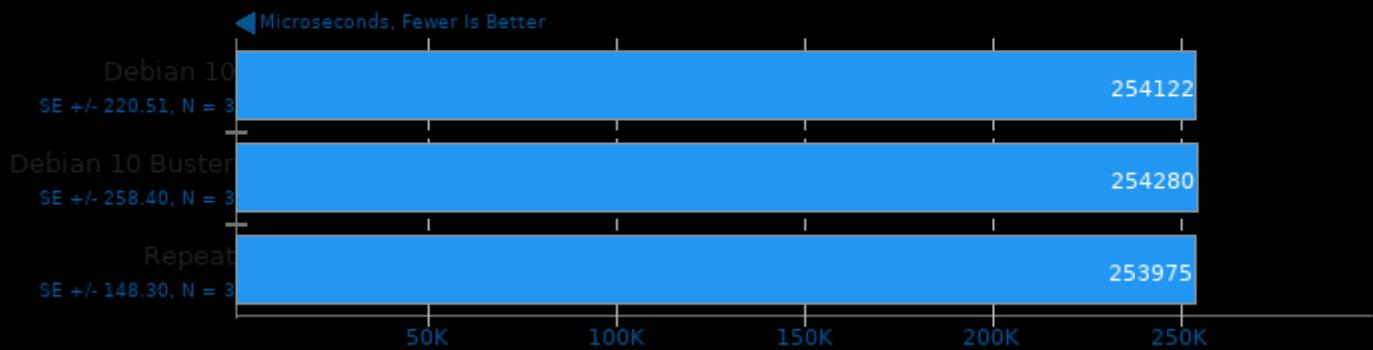
TensorFlow Lite 2020-08-23

Model: NASNet Mobile



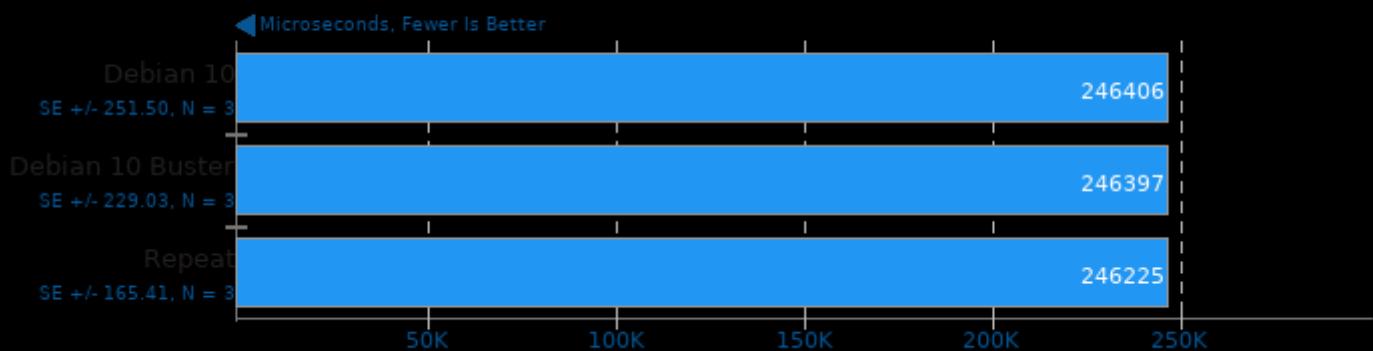
TensorFlow Lite 2020-08-23

Model: Mobilenet Float



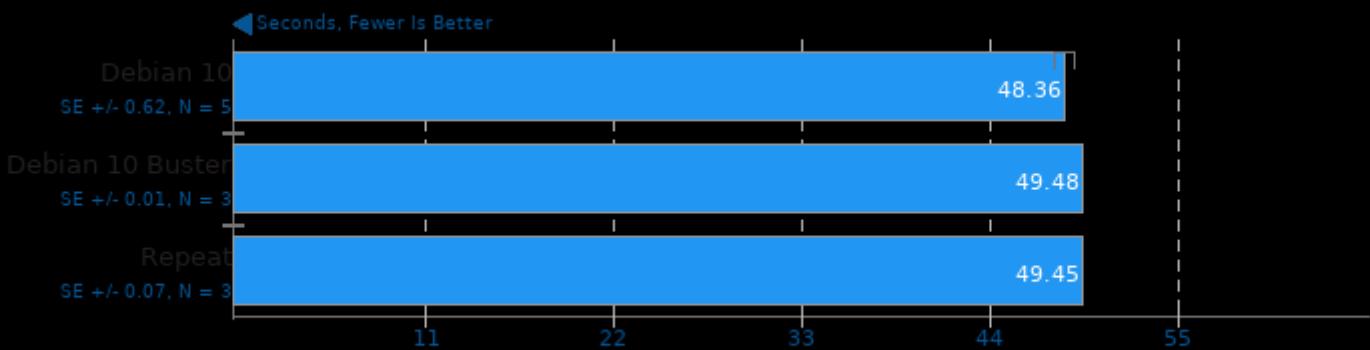
TensorFlow Lite 2020-08-23

Model: Mobilenet Quant



ddraw

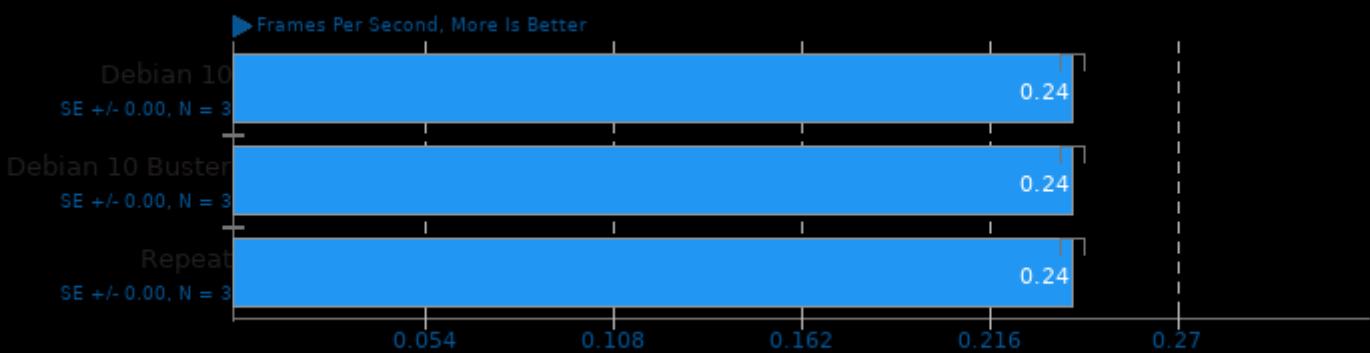
RAW To PPM Image Conversion



1. (CC) gcc options: -lm

AOM AV1 2.0

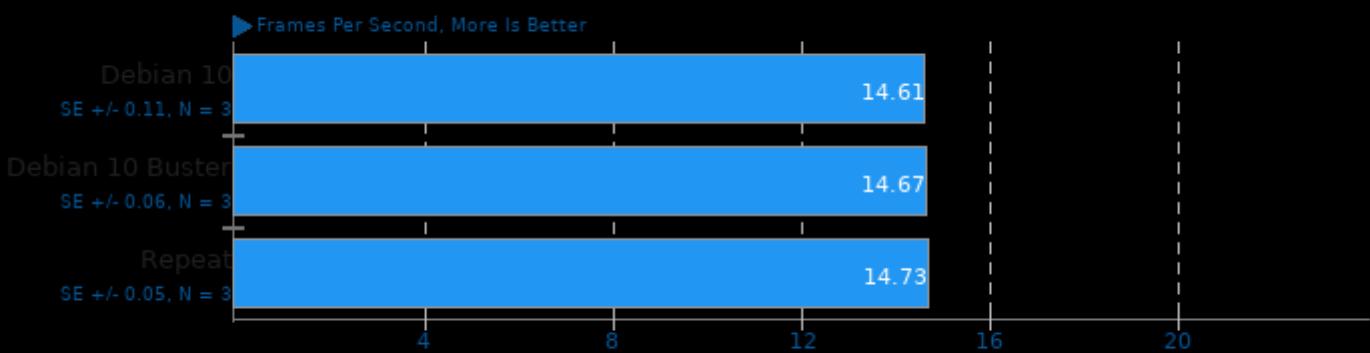
Encoder Mode: Speed 0 Two-Pass



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

AOM AV1 2.0

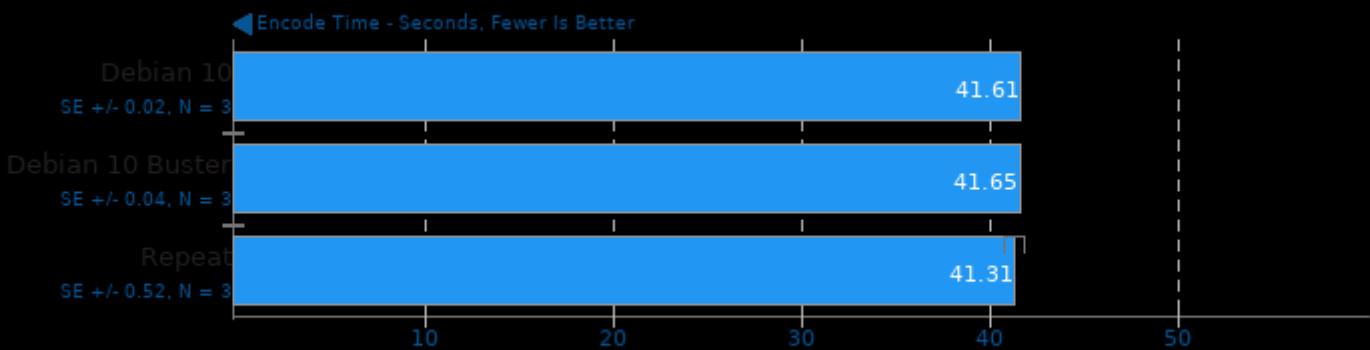
Encoder Mode: Speed 6 Realtime



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

WebP Image Encode 1.1

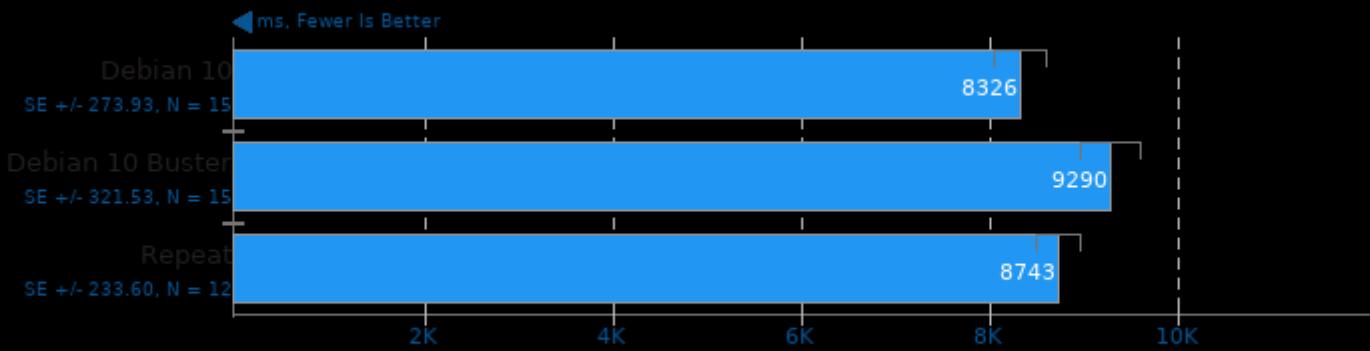
Encode Settings: Quality 100, Lossless, Highest Compression



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

OpenCV 4.4

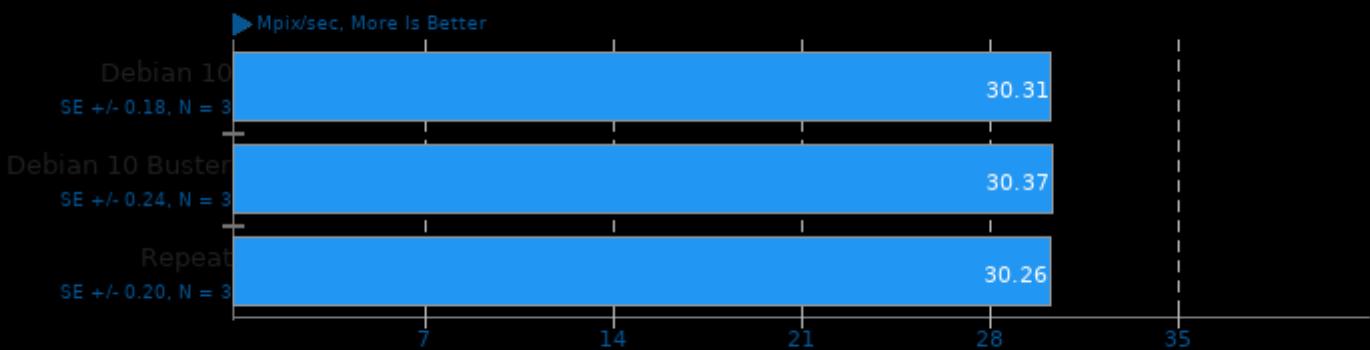
Test: DNN - Deep Neural Network



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

LibRaw 0.20

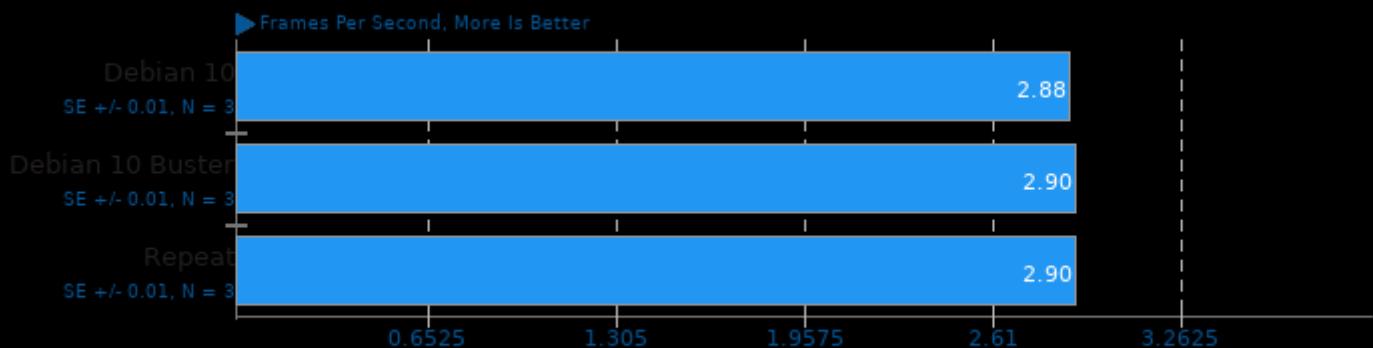
Post-Processing Benchmark



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

AOM AV1 2.0

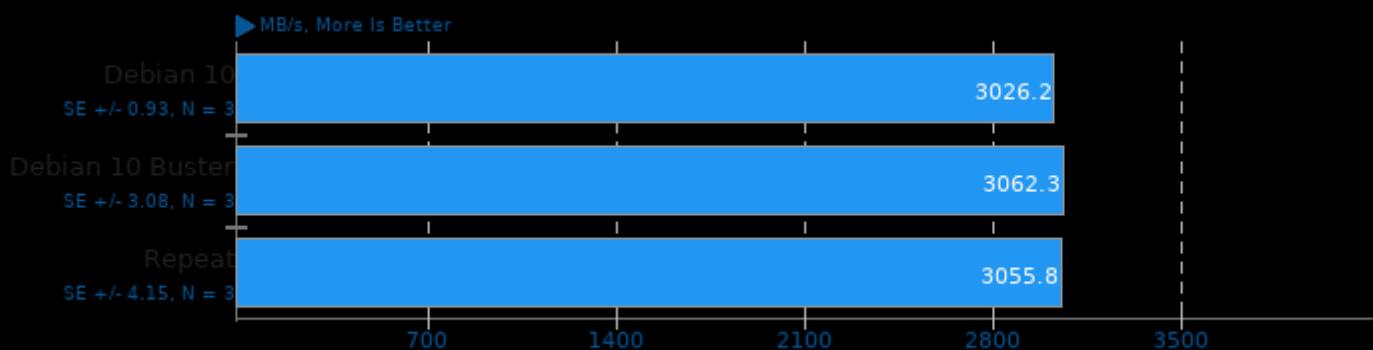
Encoder Mode: Speed 6 Two-Pass



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

Zstd Compression 1.4.5

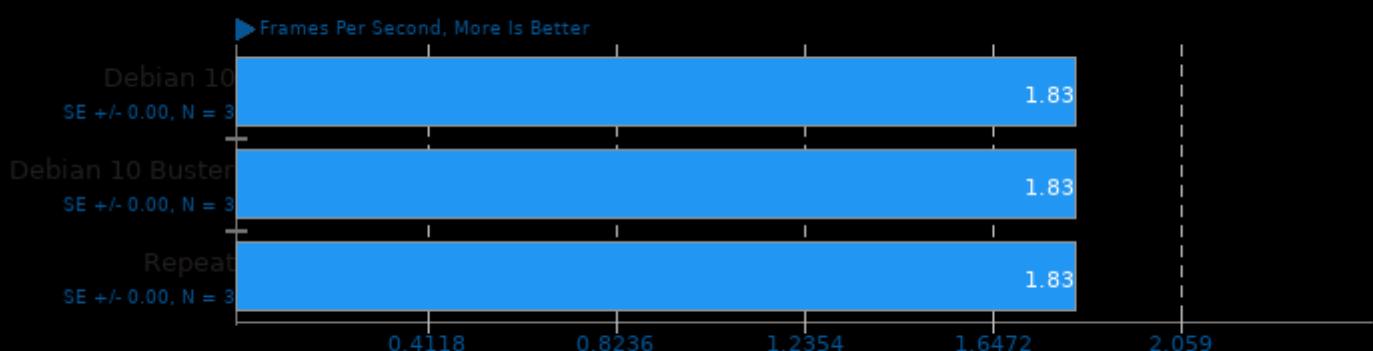
Compression Level: 3



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

AOM AV1 2.0

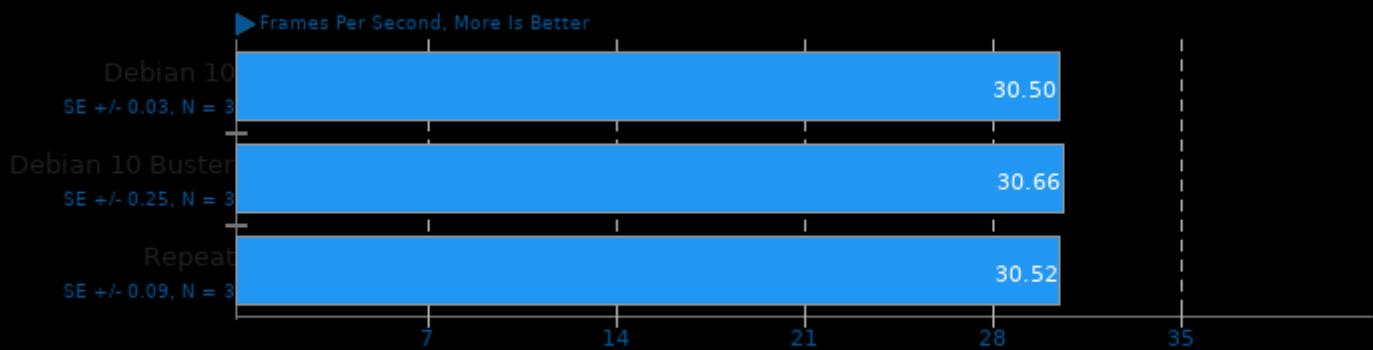
Encoder Mode: Speed 4 Two-Pass



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

AOM AV1 2.0

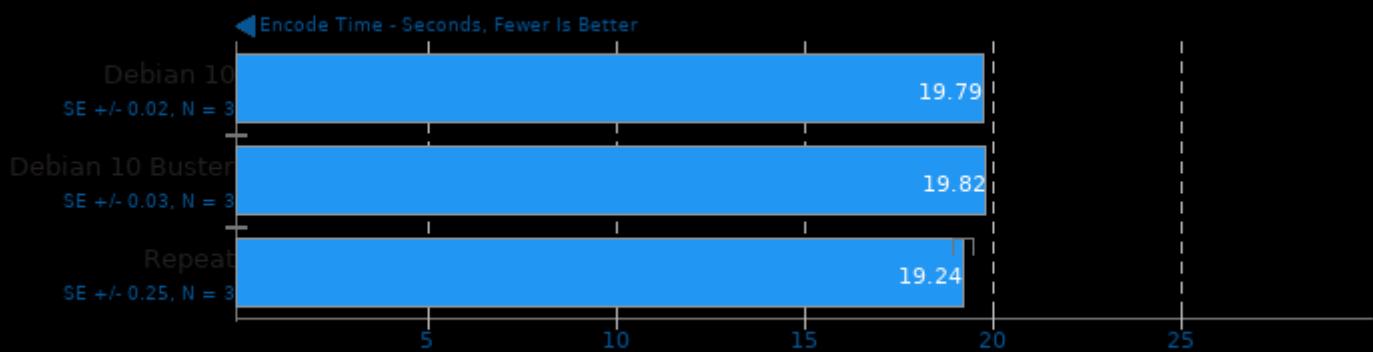
Encoder Mode: Speed 8 Realtime



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

WebP Image Encode 1.1

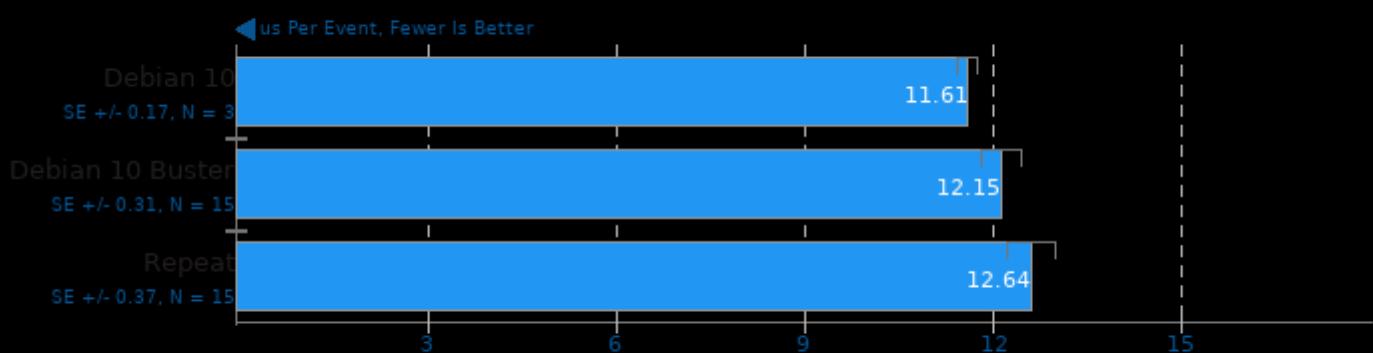
Encode Settings: Quality 100, Lossless



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

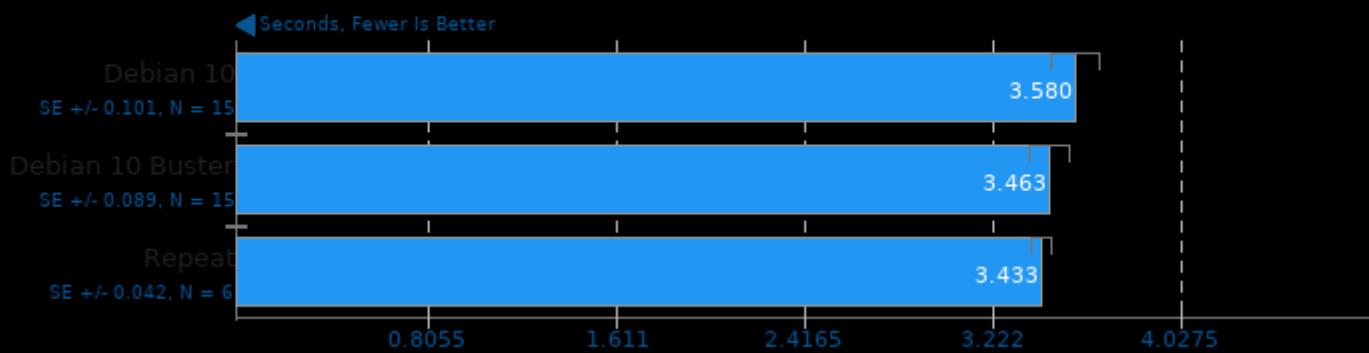
OSBench

Test: Create Threads



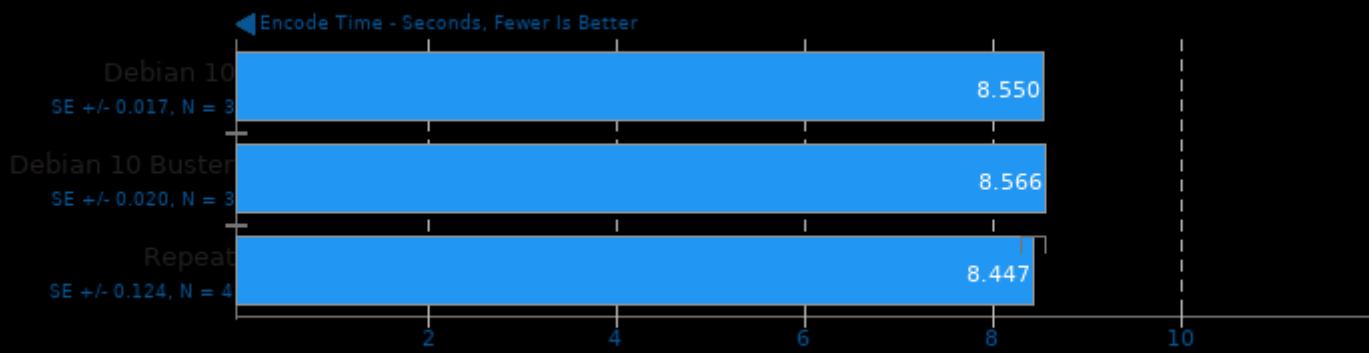
1. (CC) gcc options: -lm

System GZIP Decompression



WebP Image Encode 1.1

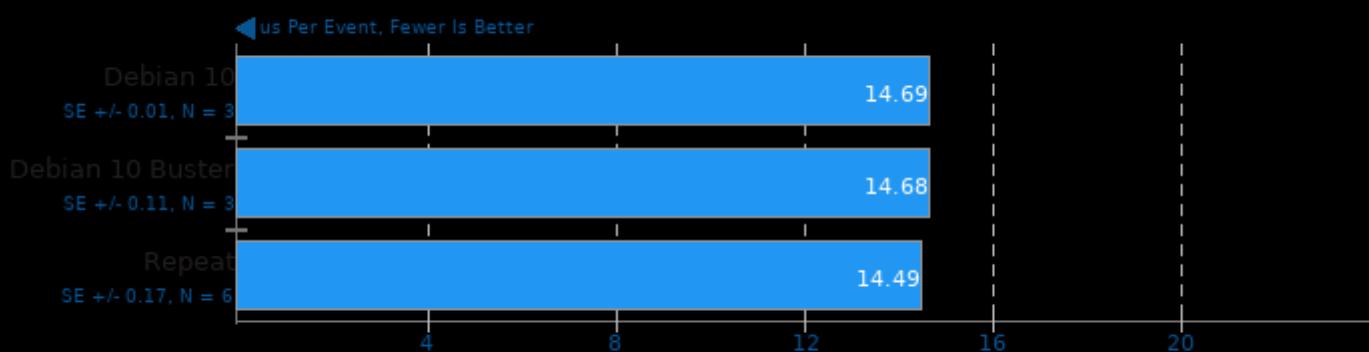
Encode Settings: Quality 100, Highest Compression



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

OSBench

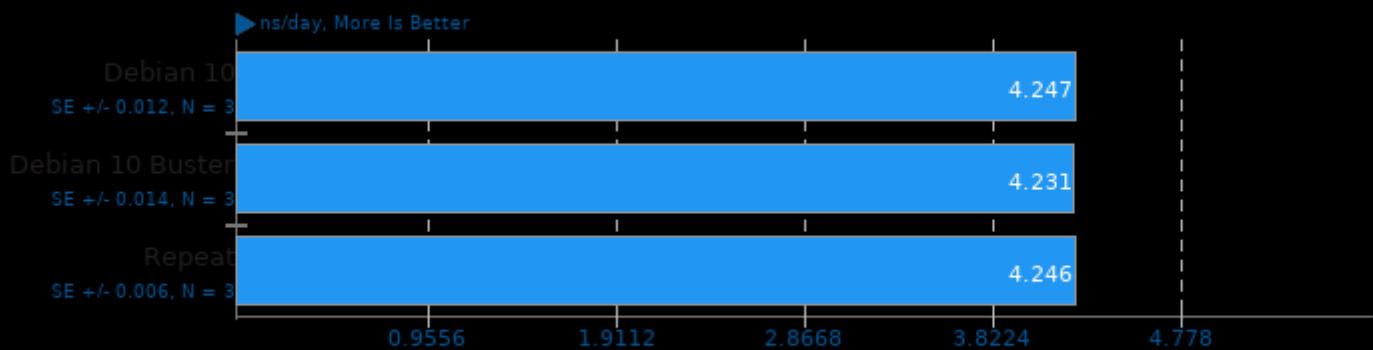
Test: Create Files



1. (CC) gcc options: -lm

LAMMPS Molecular Dynamics Simulator 24Aug2020

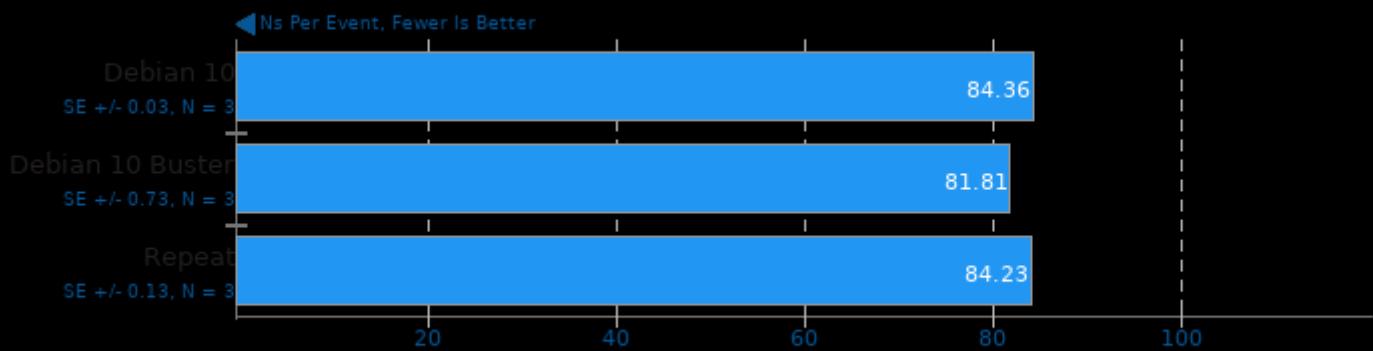
Model: Rhodopsin Protein



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

OSBench

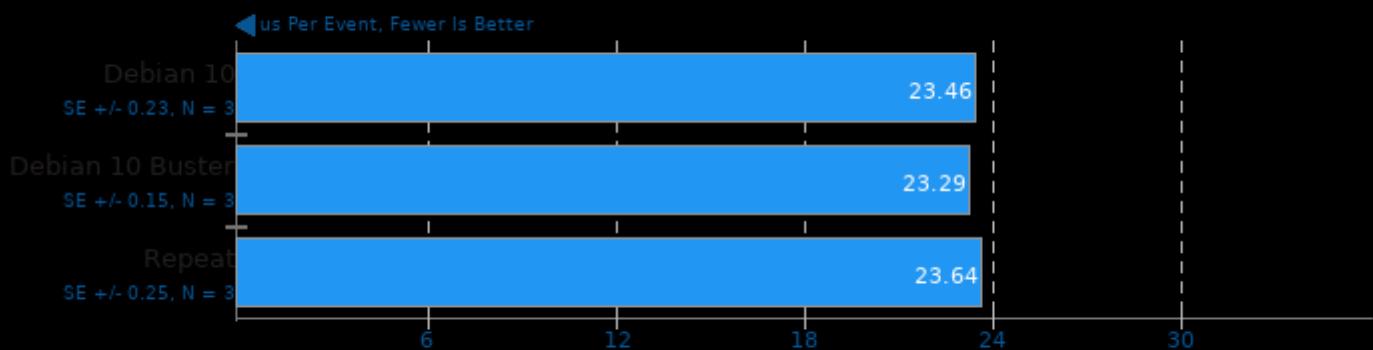
Test: Memory Allocations



1. (CC) gcc options: -lm

OSBench

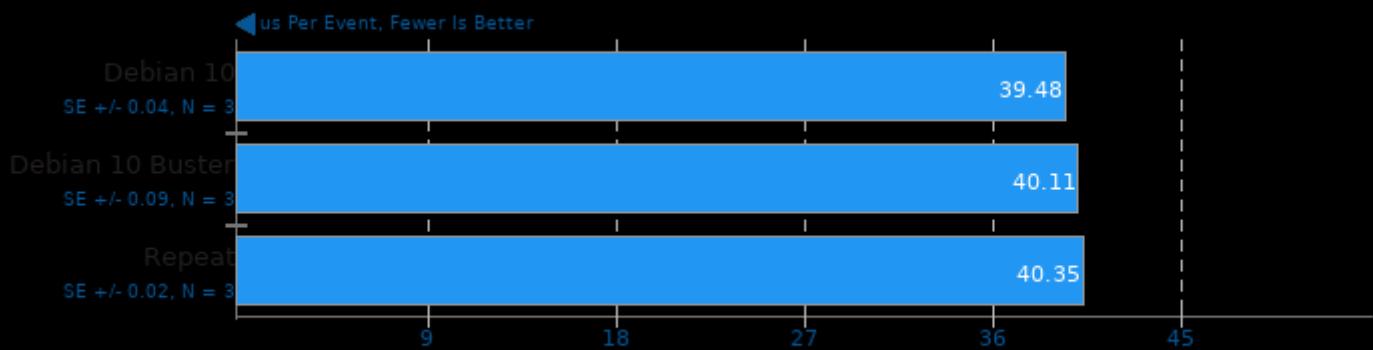
Test: Create Processes



1. (CC) gcc options: -lm

OSBench

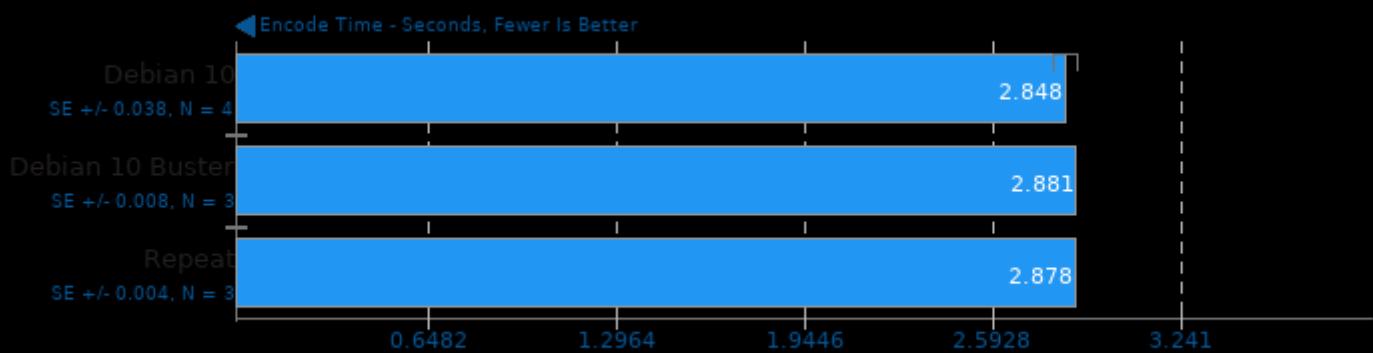
Test: Launch Programs



1. (CC) gcc options: -lm

WebP Image Encode 1.1

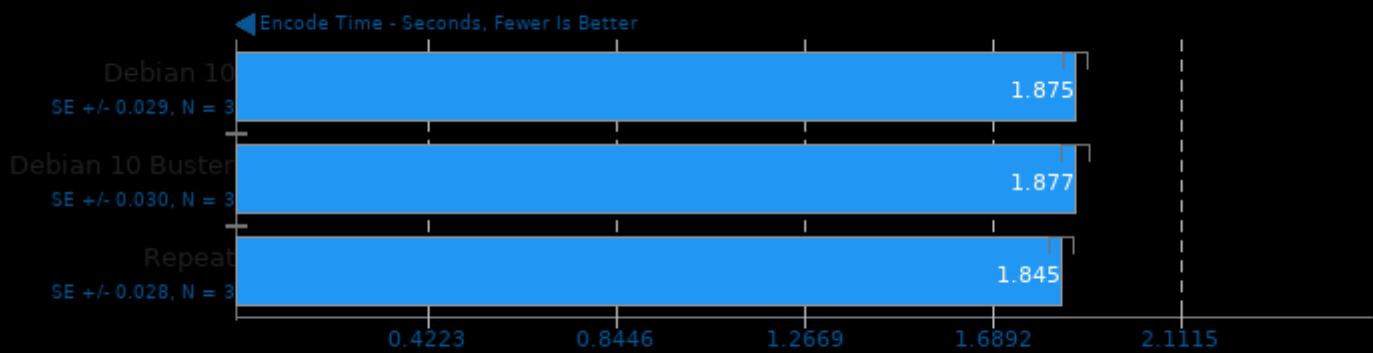
Encode Settings: Quality 100



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

WebP Image Encode 1.1

Encode Settings: Default

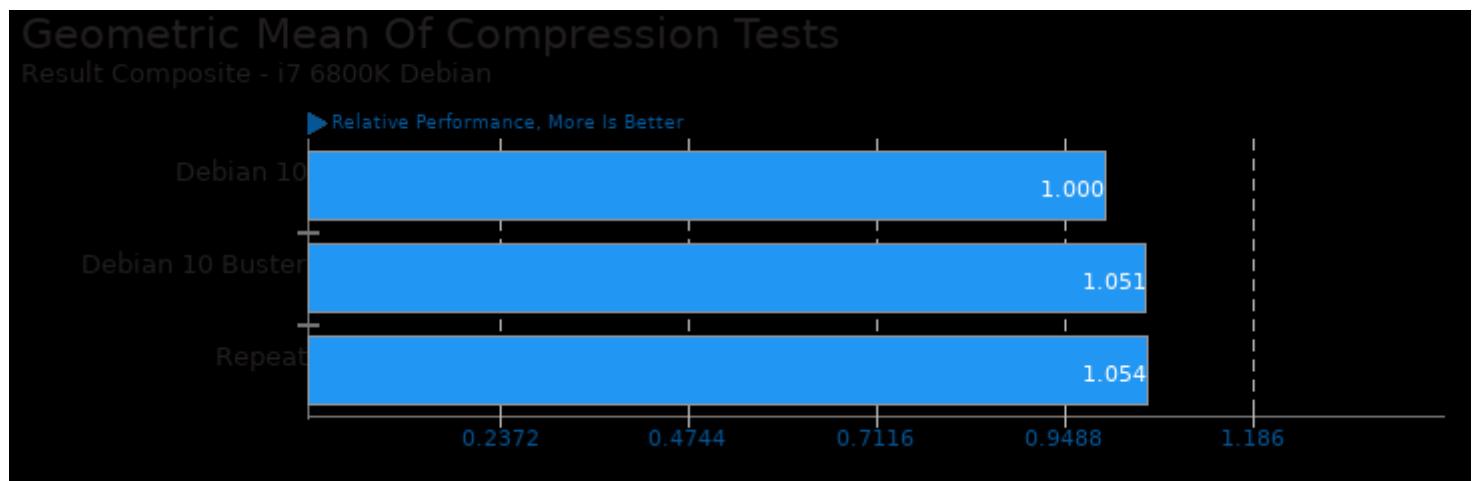


1. (CC) gcc options: -fvisibility=hidden -O2 -pthread -lm -ljpeg -lpng16 -ltiff

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



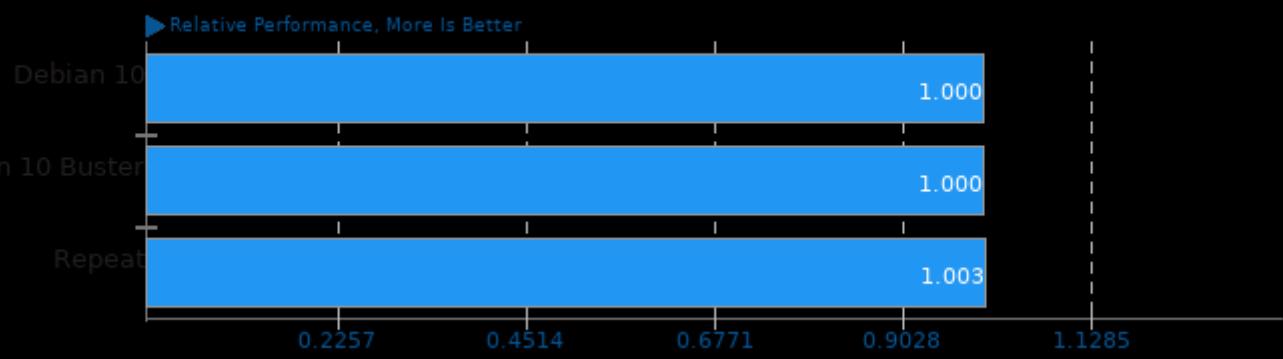
Geometric mean based upon tests: pts/compress-zstd and pts/system-decompress-gzip



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

Geometric Mean Of Creator Workloads Tests

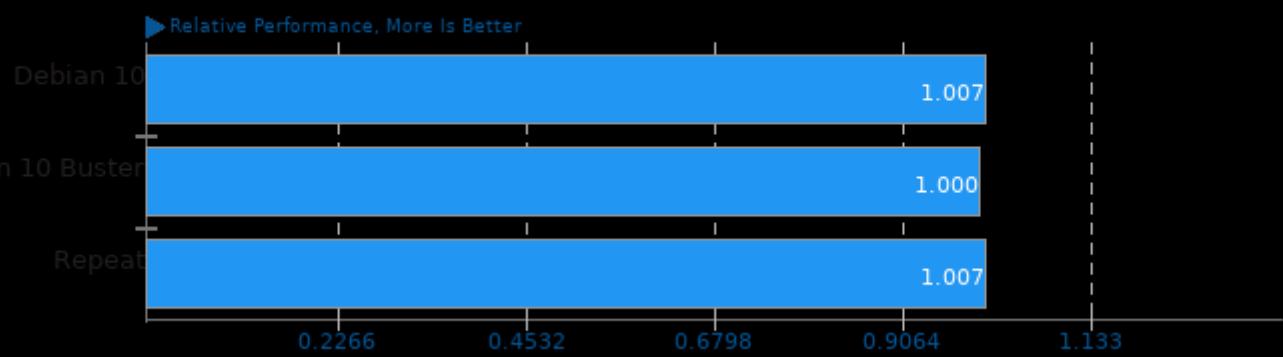
Result Composite - i7 6800K Debian



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

Geometric Mean Of Fortran Tests

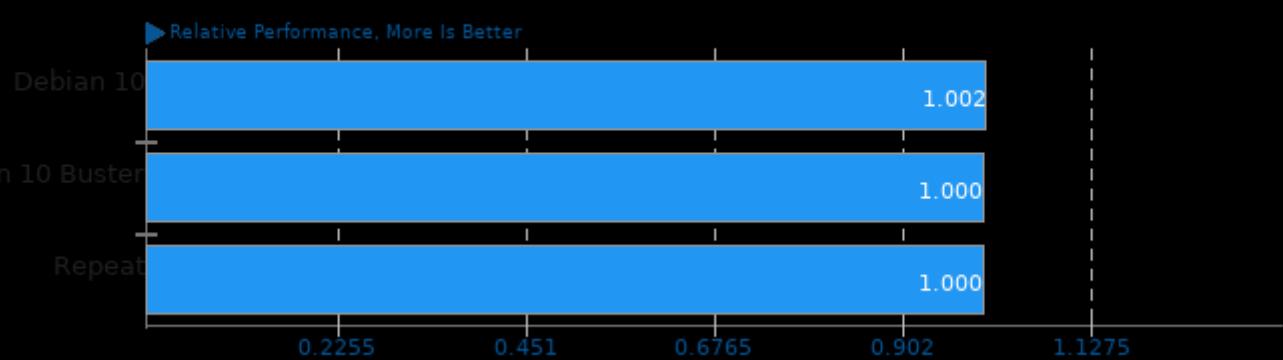
Result Composite - i7 6800K Debian



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

Geometric Mean Of HPC - High Performance Computing Tests

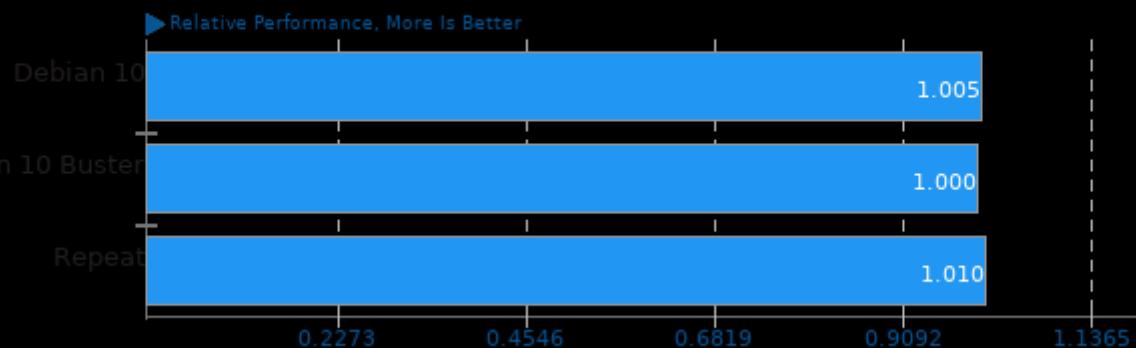
Result Composite - i7 6800K Debian



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

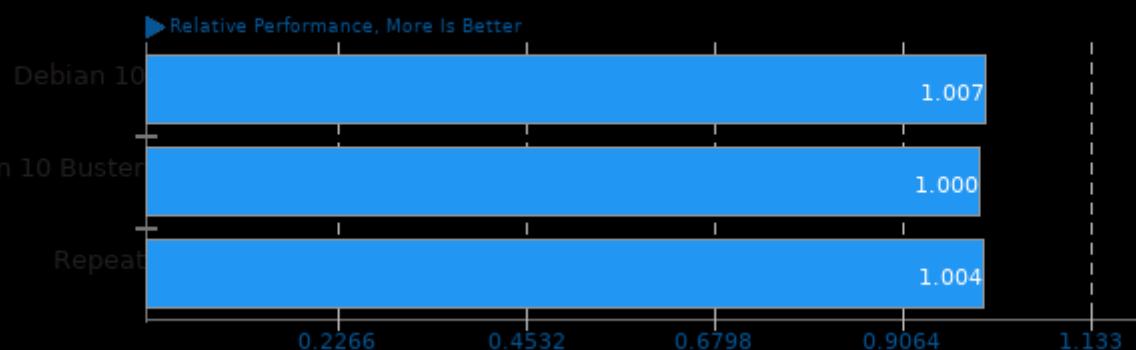
Result Composite - i7 6800K Debian



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

Geometric Mean Of Machine Learning Tests

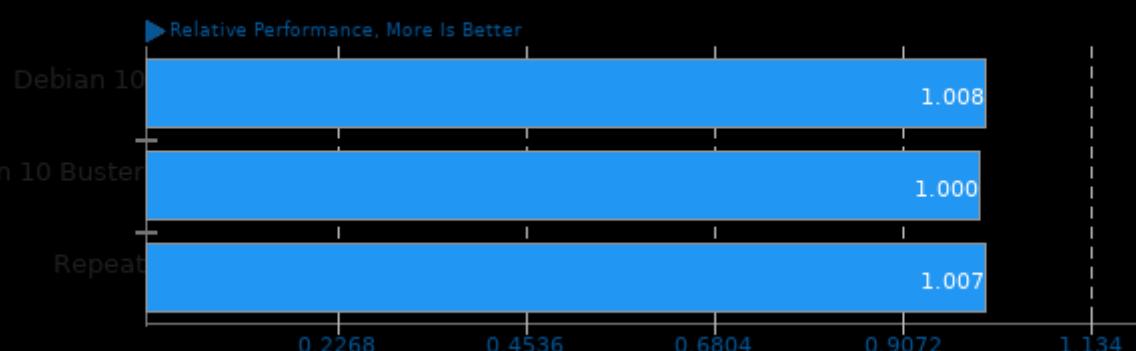
Result Composite - i7 6800K Debian



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

Geometric Mean Of Molecular Dynamics Tests

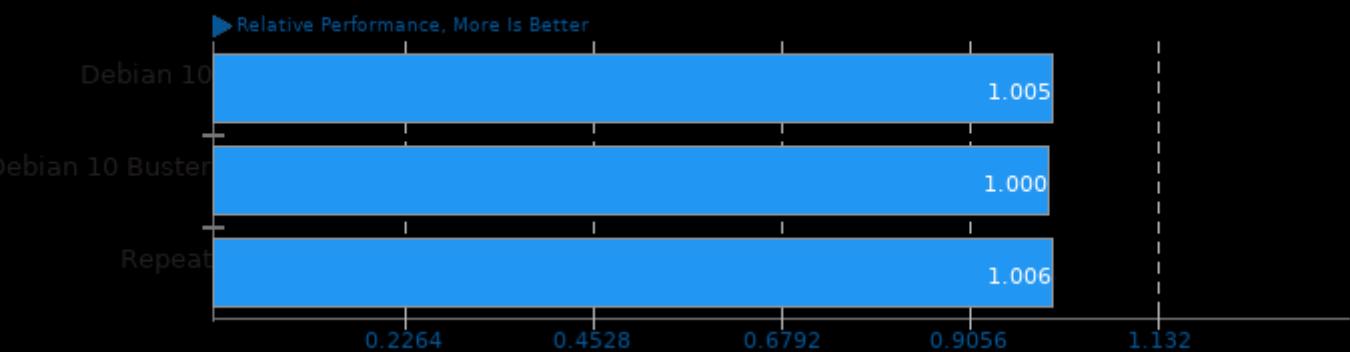
Result Composite - i7 6800K Debian



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

Geometric Mean Of MPI Benchmarks Tests

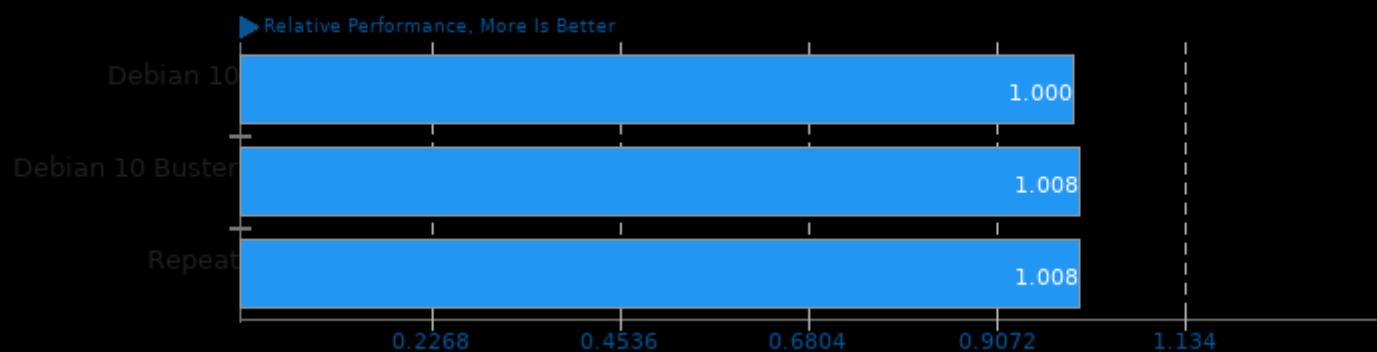
Result Composite - i7 6800K Debian



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

Geometric Mean Of Multi-Core Tests

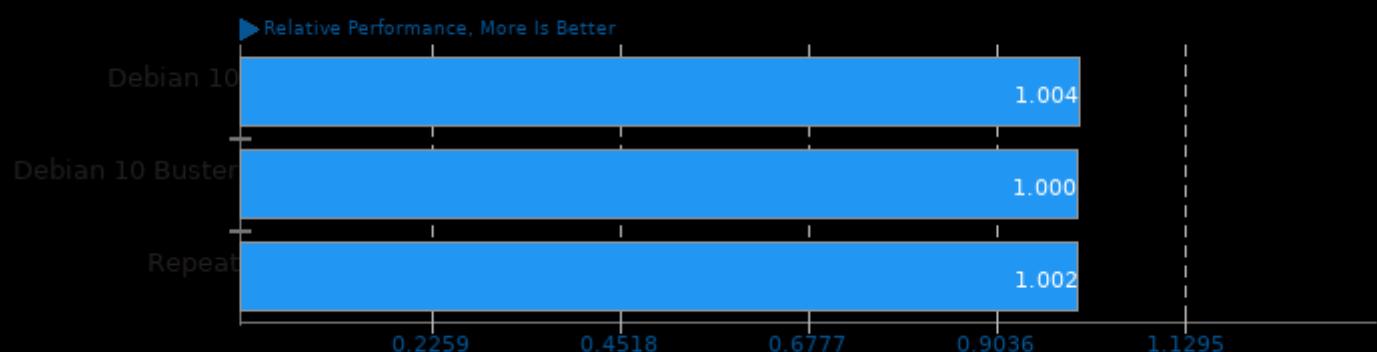
Result Composite - i7 6800K Debian



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

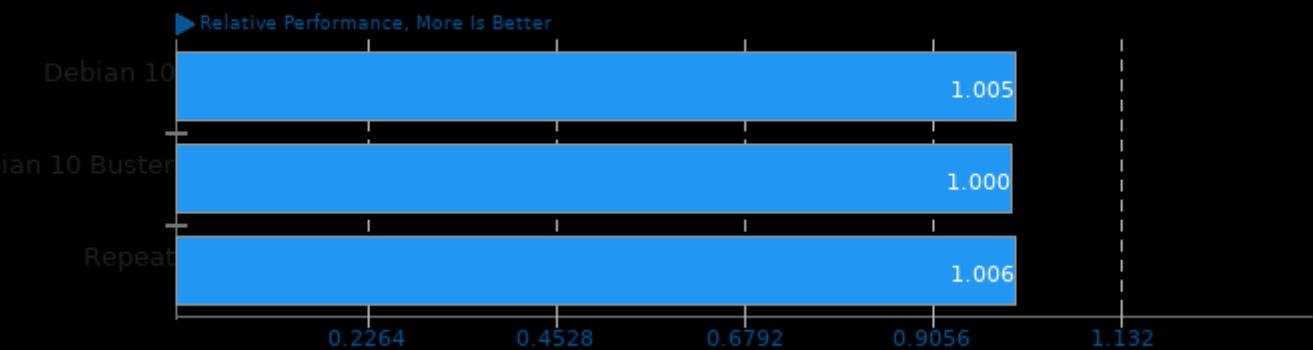
Result Composite - i7 6800K Debian



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

Geometric Mean Of OpenMPI Tests

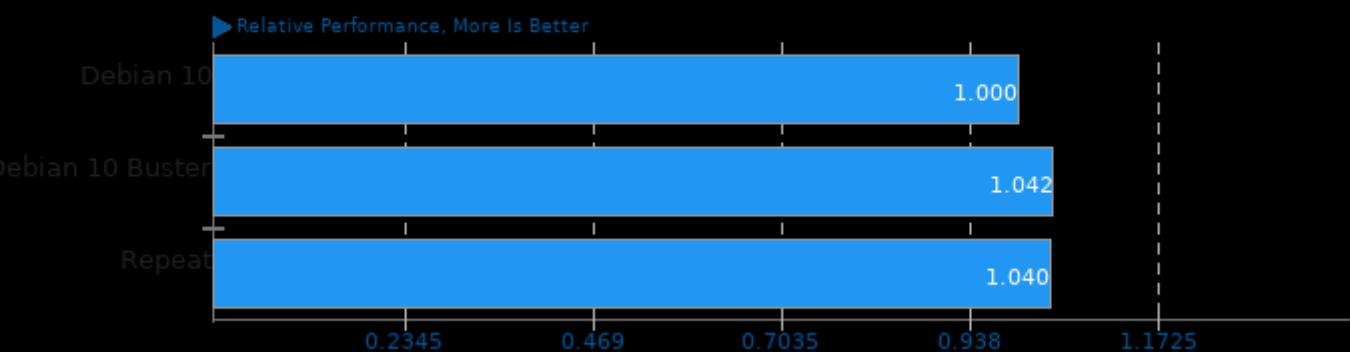
Result Composite - i7 6800K Debian



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

Geometric Mean Of Programmer / Developer System Benchmarks Tests

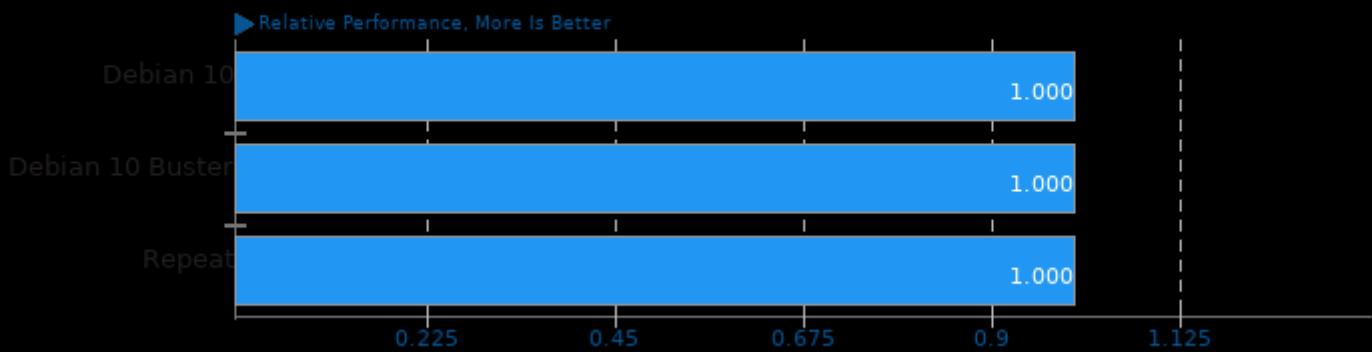
Result Composite - i7 6800K Debian



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

Geometric Mean Of Python Tests

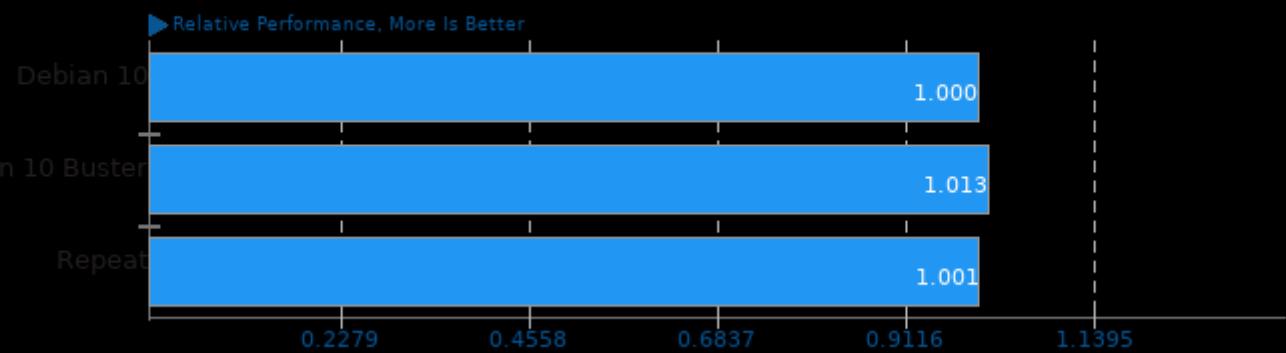
Result Composite - i7 6800K Debian



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

Geometric Mean Of Scientific Computing Tests

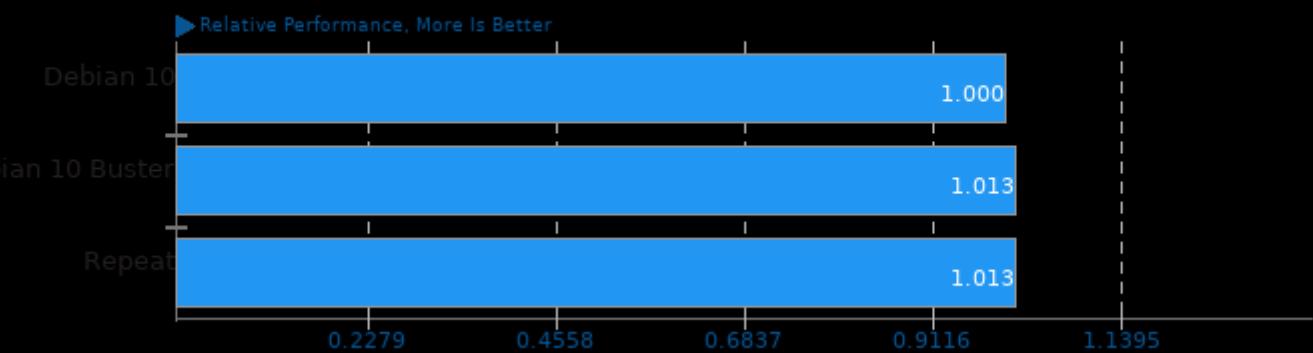
Result Composite - i7 6800K Debian



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

Geometric Mean Of Server CPU Tests

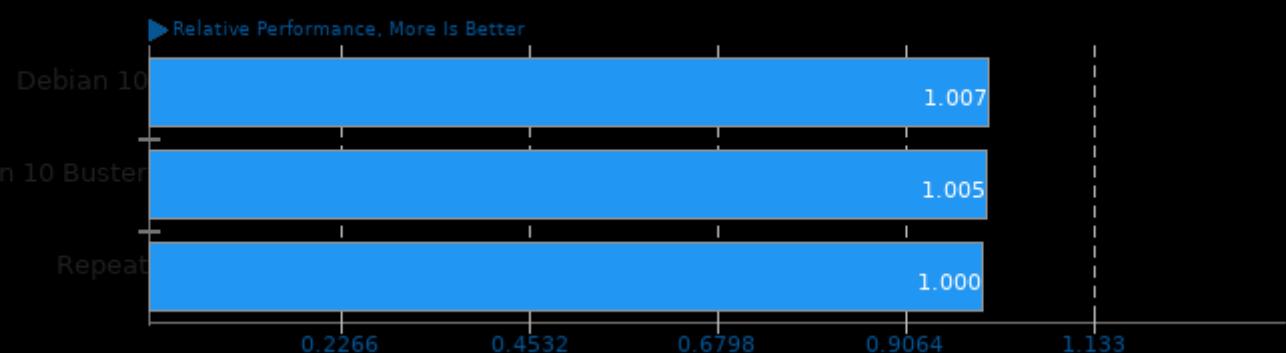
Result Composite - i7 6800K Debian



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 Thursday, 28 March 2024 09:01.