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Core i9 10980XE September

Intel Core i9-10980XE testing with a ASRock X299 Steel Legend (P1.30 BIOS) and NVIDIA NV132 11GB on Ubuntu 20.10 via the Phoronix Test Suite.

Automated Executive Summary

Core i9 10980XE had the most wins, coming in first place for 67% of the tests.

Based on the geometric mean of all complete results, the fastest (Linux 5.8) was 1.037x the speed of the slowest (Linux 5.9 Git). Core i9 10980XE was 0.99x the speed of Linux 5.8, Linux 5.9 Git Repeat was 0.978x the speed of Core i9 10980XE, Linux 5.9 Git was 0.995x the speed of Linux 5.9 Git Repeat.

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

GLmark2 (Resolution: 1920 x 1200) at 3.053x

Incompact3D (Input: Cylinder) at 1.529x

LAMMPS Molecular Dynamics Simulator (Model: 20k Atoms) at 1.281x

AOM AV1 (Encoder Mode: Speed 6 Realtime) at 1.245x

AOM AV1 (Encoder Mode: Speed 8 Realtime) at 1.196x

AOM AV1 (Encoder Mode: Speed 6 Two-Pass) at 1.087x

Mobile Neural Network (Model: SqueezeNetV1.0) at 1.084x

AOM AV1 (Encoder Mode: Speed 4 Two-Pass) at 1.075x

Monte Carlo Simulations of Ionised Nebulae (Input: Dust 2D tau100.0) at 1.069x
Mobile Neural Network (Model: MobileNetV2_224) at 1.057x.

Test Systems:

Core i9 10980XE

Processor: Intel Core i9-10980XE @ 4.80GHz (18 Cores / 36 Threads), Motherboard: ASRock X299 Steel Legend (P1.30 BIOS), Chipset: Intel Sky Lake-E DMI3 Registers, Memory: 32GB, Disk: Samsung SSD 970 PRO 512GB, Graphics: NVIDIA NV132 11GB, Audio: Realtek ALC1220, Monitor: ASUS MG28U, Network: Intel I219-V + Intel I211

OS: Ubuntu 20.10, Kernel: 5.4.0-42-generic (x86_64), Desktop: GNOME Shell 3.36.4, Display Server: X Server 1.20.8, Display Driver: modesetting 1.20.8, OpenGL: 4.3 Mesa 20.1.5, Compiler: GCC 10.2.0, File-System: ext4, Screen Resolution: 3840x2160

Compiler Notes: --build=x86_64-linux-gnu --disable-vtable-verify --disable-werror --enable-checking=release --enable-clocale=gnu --enable-default-pie --enable-gnu-unique-object --enable-languages=c,ada,c++,go,brig,d,fortran,objc,obj-c++,m2 --enable-libphobos-checking=release --enable-libstdcxx-debug --enable-libstdcxx-time=yes --enable-multiarch --enable-multilib --enable-nls --enable-objc-gc=auto --enable-offload-targets=nvptx-none=/build/gcc-10-Fb4d6e/gcc-10-10.2.0/debian/tmp-nvptx/usr,amdgcn-amdhsa=/build/gcc-10-Fb4d6e/gcc-10-10.2.0/debian/tmp-gcn/usr,hsa --enable-plugin --enable-shared --enable-threads=posix --host=x86_64-linux-gnu --program-prefix=x86_64-linux-gnu- --target=x86_64-linux-gnu --with-abi=m64 --with-arch-32=i686 --with-default-libstdcxx-abi=new --with-gcc-major-version-only --with-multilib-list=m32,m64,mx32 --with-target-system-zlib=auto --with-tune=generic --without-cuda-driver -v
Processor Notes: Scaling Governor: intel_pstate performance - CPU Microcode: 0x5002f01
Python Notes: Python 3.8.5
Security Notes: itlb_multihit: KVM: Mitigation of Split huge pages + I1tf: Not affected + mds: Not affected + meltdown: Not affected + spec_store_bypass: Mitigation of SSB disabled via prctl and seccomp + spectre_v1: Mitigation of usercopy/swaps barriers and __user pointer sanitization + spectre_v2: Mitigation of Enhanced IBRS IPBP: conditional RSB filling + srbs: Not affected + tsx_async_abort: Mitigation of TSX disabled

Linux 5.8

Processor: Intel Core i9-10980XE @ 4.80GHz (18 Cores / 36 Threads), Motherboard: ASRock X299 Steel Legend (P1.30 BIOS), Chipset: Intel Sky Lake-E DMI3 Registers, Memory: 32GB, Disk: Samsung SSD 970 PRO 512GB, Graphics: NVIDIA NV132 11GB, Audio: Realtek ALC1220, Monitor: ASUS MG28U, Network: Intel I219-V + Intel I211

OS: Ubuntu 20.10, Kernel: 5.8.0-050800-generic (x86_64), Desktop: GNOME Shell 3.36.4, Display Server: X Server 1.20.8, Display Driver: modesetting 1.20.8, OpenGL: 4.3 Mesa 20.1.5, Compiler: GCC 10.2.0, File-System: ext4, Screen Resolution: 3840x2160

Compiler Notes: --build=x86_64-linux-gnu --disable-vtable-verify --disable-werror --enable-checking=release --enable-clocale=gnu --enable-default-pie --enable-gnu-unique-object --enable-languages=c,ada,c++,go,brig,d,fortran,objc,obj-c++,m2 --enable-libphobos-checking=release --enable-libstdcxx-debug --enable-libstdcxx-time=yes --enable-multiarch --enable-multilib --enable-nls --enable-objc-gc=auto --enable-offload-targets=nvptx-none=/build/gcc-10-Fb4d6e/gcc-10-10.2.0/debian/tmp-nvptx/usr,amdgcn-amdhsa=/build/gcc-10-Fb4d6e/gcc-10-10.2.0/debian/tmp-gcn/usr,hsa --enable-plugin --enable-shared --enable-threads=posix --host=x86_64-linux-gnu --program-prefix=x86_64-linux-gnu- --target=x86_64-linux-gnu --with-abi=m64 --with-arch-32=i686 --with-default-libstdcxx-abi=new --with-gcc-major-version-only --with-multilib-list=m32,m64,mx32 --with-target-system-zlib=auto --with-tune=generic --without-cuda-driver -v
Processor Notes: Scaling Governor: intel_cpufreq performance - CPU Microcode: 0x5002f01
Python Notes: Python 3.8.5
Security Notes: itlb_multihit: KVM: Mitigation of Split huge pages + I1tf: Not affected + mds: Not affected + meltdown: Not affected + spec_store_bypass: Mitigation of SSB disabled via prctl and seccomp + spectre_v1: Mitigation of usercopy/swaps barriers and __user pointer sanitization + spectre_v2: Mitigation of Enhanced IBRS IPBP: conditional RSB filling + srbs: Not affected + tsx_async_abort: Mitigation of TSX disabled

Linux 5.9 Git

Linux 5.9 Git Repeat

Processor: Intel Core i9-10980XE @ 4.80GHz (18 Cores / 36 Threads), Motherboard: ASRock X299 Steel Legend (P1.30 BIOS), Chipset: Intel Sky Lake-E DMI3 Registers, Memory: 32GB, Disk: Samsung SSD 970 PRO 512GB, Graphics: NVIDIA NV132 11GB, Audio: Realtek ALC1220, Monitor: ASUS MG28U, Network: Intel I219-V + Intel I211

OS: Ubuntu 20.10, Kernel: 5.9.0-050900rc5daily20200920-generic (x86_64) 20200919, Desktop: GNOME Shell 3.36.4, Display Server: X Server 1.20.8, Display Driver: modesetting 1.20.8, OpenGL: 4.3 Mesa 20.1.5, Compiler: GCC 10.2.0, File-System: ext4, Screen Resolution: 3840x2160

```
Compiler Notes: --build=x86_64-linux-gnu --disable-vtable-verify --disable-werror --enable-checking=release --enable-clocale=gnu --enable-default-pie
--enable-gnu-unique-object --enable-languages=c,ada,c++,go,brig,d,fortran,objc,obj-c++,m2 --enable-libphobos-checking=release --enable-libstdcxx-debug
--enable-libstdcxx-time=yes --enable-multarch --enable-multilib --enable-nls --enable-objc-gc=auto
--enable-offload-targets=nvptx-none=/build/gcc-10-Fb4d6e/gcc-10-10.2.0/debian/tmp-nvptx/usr,amdgcn-amdhsa=/build/gcc-10-Fb4d6e/gcc-10-10.2.0/debian/tmp-gcn/usr,h
sa --enable-plugin --enable-shared --enable-threads=posix --host=x86_64-linux-gnu --program-prefix=x86_64-linux-gnu- --target=x86_64-linux-gnu --with-abi=m64
--with-arch-32=i686 --with-default-libstdcxx-abi=new --with-gcc-major-version-only --with-multilib-list=m32,m64,mx32 --with-target-system-zlib=auto --with-tune=generic
--without-cuda-driver -v
```

Processor Notes: Scaling Governor: intel_cpufreq ondemand - CPU Microcode: 0x5002f01

Python Notes: Python 3.8.5

Security Notes: itlb_multihit: KVM: Mitigation of VMX disabled + 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/swaps barriers and __user pointer sanitization + spectre_v2: Mitigation of Enhanced IBRS IPB: conditional RSB filling + srbs: Not affected + tsx_async_abort: Mitigation of TSX disabled

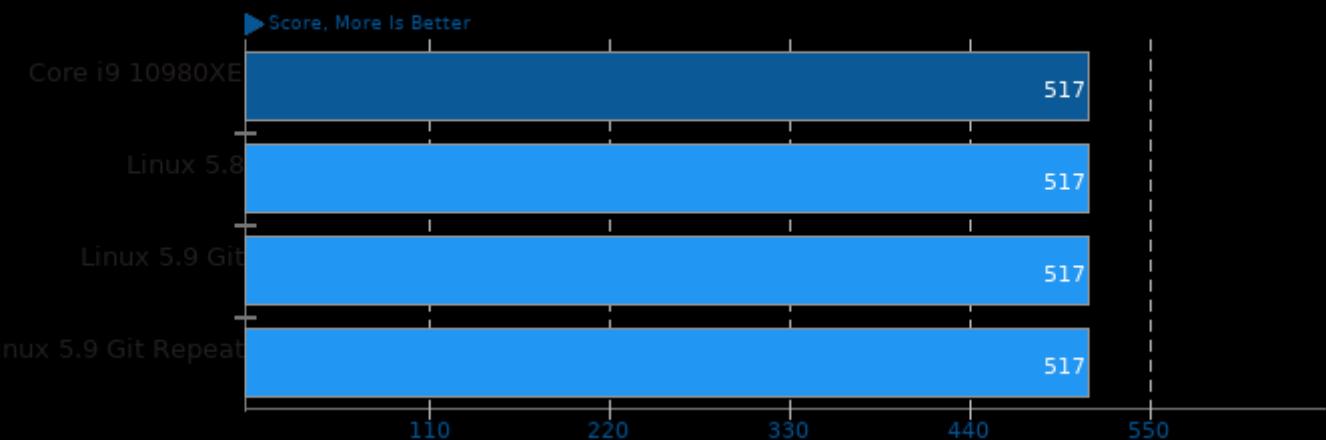
	Core i9 10980XE	Linux 5.8	Linux 5.9 Git	Linux 5.9 Git Repeat
GLmark2 - 1920 x 1080 (Score)	517	517	517	517
GLmark2 - 1920 x 1200 (Score)	152	463	464	463
Normalized	32.76%	99.78%	100%	99.78%
GLmark2 - 2560 x 1440 (Score)	289	288	289	288
Normalized	100%	99.65%	100%	99.65%
GLmark2 - 3840 x 2160 (Score)	137	137	137	137
NAMD - ATPase Simulation - 327,506 Atoms (days/ns)	0.97362	0.97313	0.97989	0.97709
Normalized	99.95%	100%	99.31%	99.59%
Standard Deviation	0.2%	0.3%	0.5%	0.3%
Incompact3D - Cylinder (sec)	222.392802	220.626770	337.334096	330.448201
Normalized	99.21%	100%	65.4%	66.77%
Standard Deviation	0%	0.5%	2.1%	0.9%
Monte Carlo Simulations of Ionised Nebulae - Dust 2D tau100.0 (sec)	189	190	202	200
Normalized	100%	99.47%	93.56%	94.5%
Standard Deviation			1.3%	1.2%
LAMMPS Molecular Dynamics Simulator - 20k Atoms (ns/day)	12.571	12.576	9.820	9.833
Normalized	99.96%	100%	78.09%	78.19%
Standard Deviation	0.2%	0.1%	3.5%	2.4%
LAMMPS Molecular Dynamics Simulator - Rhodopsin Protein	12.349	8.769	7.868	7.875
Normalized	100%	71.01%	63.71%	63.77%
Standard Deviation	0.1%	15%	16.9%	21.5%
AOM AV1 - Speed 0 Two-Pass (FPS)	0.30	0.30	0.3	0.3
Standard Deviation	1.9%	1.9%	0%	0%
AOM AV1 - Speed 4 Two-Pass (FPS)	2.44	2.40	2.28	2.27
Normalized	100%	98.36%	93.44%	93.03%

AOM AV1 - Speed 6 Realtime (FPS)	22.48	Standard Deviation 0%	0.6%	0.8%	0.9%
		Normalized 100%	21.73	18.22	18.05
		Standard Deviation 0.2%	0.1%	0.2%	0.6%
AOM AV1 - Speed 6 Two-Pass (FPS)	3.86	Standard Deviation 0.2%	0.1%	0.2%	0.6%
		Normalized 100%	3.80	3.55	3.58
		Standard Deviation 0.4%	0.5%	0.6%	0.3%
AOM AV1 - Speed 8 Realtime (FPS)	40.22	Standard Deviation 0.3%	0.2%	0.3%	1%
		Normalized 100%	39.77	33.62	33.83
		Standard Deviation 0.3%	0.2%	0.3%	84.11%
Timed LLVM Compilation - Time To Compile (sec)	372.569	Normalized 100%	376.948	385.867	378.909
		Standard Deviation 1.5%	2.1%	1.1%	2.3%
System GZIP Decompression (sec)	2.672	Standard Deviation 0.1%	2.729	2.724	2.738
		Normalized 100%	97.91%	98.09%	97.59%
GROMACS - Water Benchmark (Ns/Day)	1.585	Standard Deviation 0.1%	1.4%	0.8%	1.8%
		Normalized 100%	1.582	1.581	1.570
		Standard Deviation 0.2%	0.1%	0.2%	0.2%
TensorFlow Lite - SqueezeNet (us)	126930	Normalized 100%	127139	128015	127955
		Standard Deviation 0%	0%	0.1%	0.2%
TensorFlow Lite - Inception V4 (us)	1849273	Normalized 100%	1850243	1856493	1856397
		Standard Deviation 0%	0%	0.1%	0%
TensorFlow Lite - NASNet Mobile (us)	116133	Normalized 100%	116511	117488	117301
		Standard Deviation 0.1%	0.1%	0.2%	0.4%
TensorFlow Lite - Mobilenet Float (us)	87405	Normalized 100%	87518	87534	87553
		Standard Deviation 0.1%	0.1%	0.1%	0.1%
TensorFlow Lite - Mobilenet Quant	90053	Normalized 100%	90084	90181	90190
		Standard Deviation 0.1%	0.1%	0.1%	0.1%
TensorFlow Lite - I.R.V (us)	1638693	Normalized 100%	1639047	1641547	1642827
		Standard Deviation 0%	0%	0%	0.1%
Mobile Neural Network - SqueezeNetV1.0 (ms)	8.270	Normalized 100%	8.787	8.883	8.964
		Standard Deviation 3.6%	2.1%	1.3%	2.9%
Mobile Neural Network - resnet-v2-50 (ms)	43.466	Normalized 100%	46.940	47.108	47.056
		Standard Deviation 6.8%	0.6%	0.9%	0.4%
Mobile Neural Network - 4.962	4.962	Normalized 100%	5.226	5.034	5.245
		Standard Deviation 4.8%	1.8%	4.3%	1.8%
Mobile Neural Network - 7.352	7.352	Normalized 100%	7.732	8.064	7.168
		Standard Deviation 4.8%	1.8%	4.3%	1.8%
mobilenet-v1-1.0 (ms)	97.5%	Normalized 97.5%	92.71%	88.89%	100%

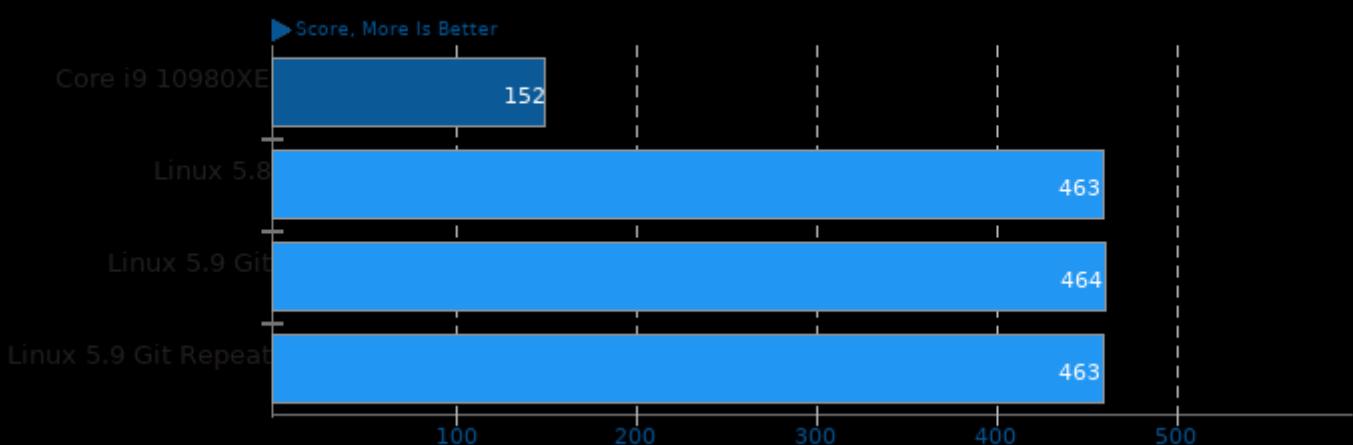
Mobile Neural Network - inception-v3	Standard Deviation (ms)	14.4%	0.5%	0.6%	22.7%
	Normalized	35.326	37.279	36.743	36.849
NCNN - CPU - squeezenet_int8 (ms)	Standard Deviation	3.4%	0.3%	3%	2.8%
	Normalized	100%	94.76%	96.14%	95.87%
NCNN - CPU - mobilenet_v3 (ms)	Standard Deviation	1.8%	2.3%	0.8%	1.9%
	Normalized	100%	99.07%	96.19%	98.51%
NCNN - CPU - squeezenet (ms)	Standard Deviation	1.8%	1.7%	1.8%	1.5%
	Normalized	100%	98.34%	97.09%	98.34%
NCNN - CPU - mnasnet (ms)	Standard Deviation	2.8%	3.5%	1.8%	5%
	Normalized	100%	99.27%	98.73%	98.38%
NCNN - CPU - blazeface (ms)	Standard Deviation	2.5%	1.2%	0.8%	1.7%
	Normalized	100%	100%	100%	99.56%
NCNN - CPU - googlenet_int8 (ms)	Standard Deviation	0.7%	0.3%	0.5%	0.4%
	Normalized	44.21	43.31	44.28	43.92
NCNN - CPU - vgg16_int8 (ms)	Standard Deviation	0.6%	2.5%	0.9%	1.2%
	Normalized	86.43	87.03	87.29	88.64
NCNN - CPU - resnet18_int8 (ms)	Standard Deviation	0.1%	0.3%	0.1%	0.1%
	Normalized	17.92	17.97	17.96	17.61
NCNN - CPU - alexnet (ms)	Standard Deviation	0.3%	0.4%	0.4%	3.4%
	Normalized	11.15	11.12	11.14	10.93
NCNN - CPU - resnet50_int8 (ms)	Standard Deviation	0.1%	0.3%	0.1%	3.4%
	Normalized	70.02	69.29	70.13	69.99
NCNN - CPU - mobilenetv2_yolov3	Standard Deviation	0.2%	1.6%	0.3%	0.1%
	Normalized	17.05	17.08	17.03	17.54
Kripke (Throughput FoM)	Standard Deviation	0.7%	0.3%	0.8%	2.8%
	Normalized	34591623	34996447	35054310	35432003
	Standard Deviation	0.1%	0.4%	0.3%	0%

GLmark2 2020.04

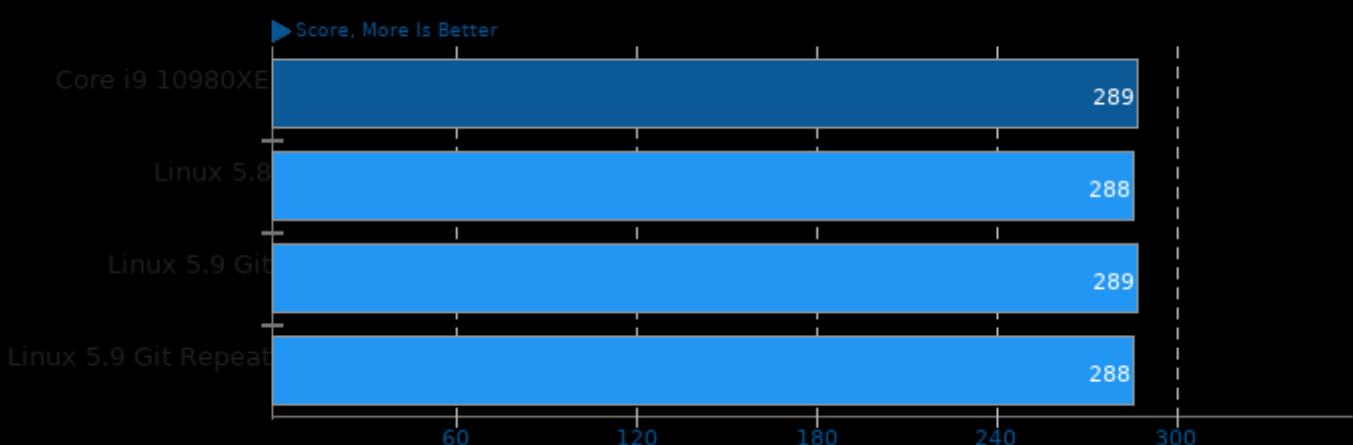
Resolution: 1920 x 1080

**GLmark2 2020.04**

Resolution: 1920 x 1200

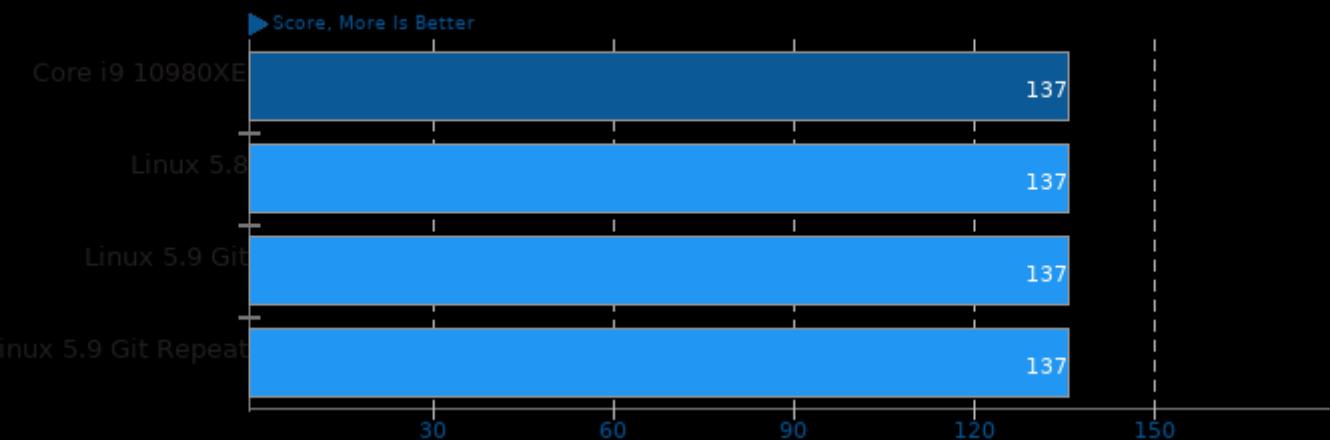
**GLmark2 2020.04**

Resolution: 2560 x 1440



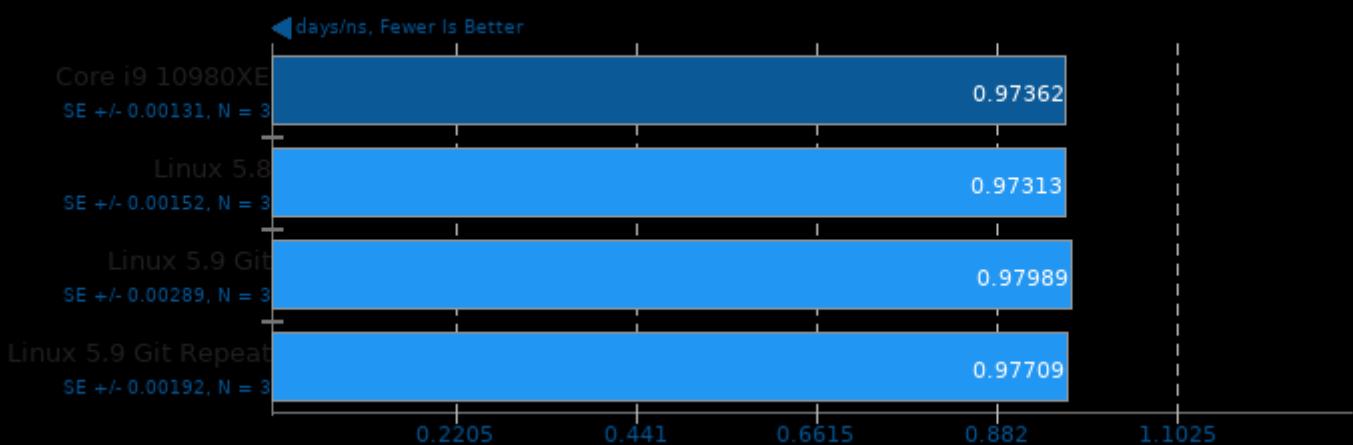
GLmark2 2020.04

Resolution: 3840 x 2160



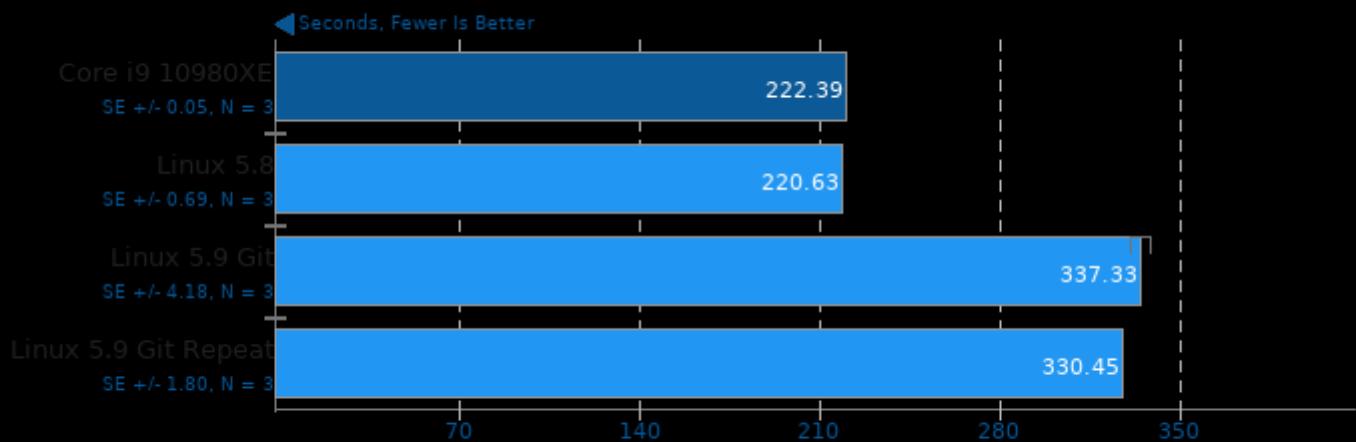
NAMD 2.14

ATPase Simulation - 327,506 Atoms



Incompact3D 2020-09-17

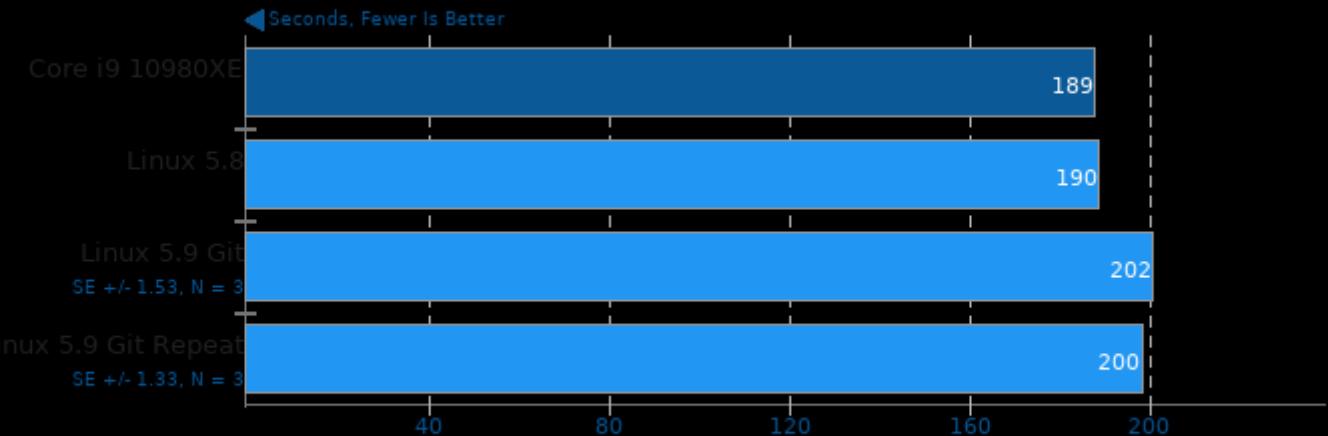
Input: Cylinder



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

Monte Carlo Simulations of Ionised Nebulae 2019-03-24

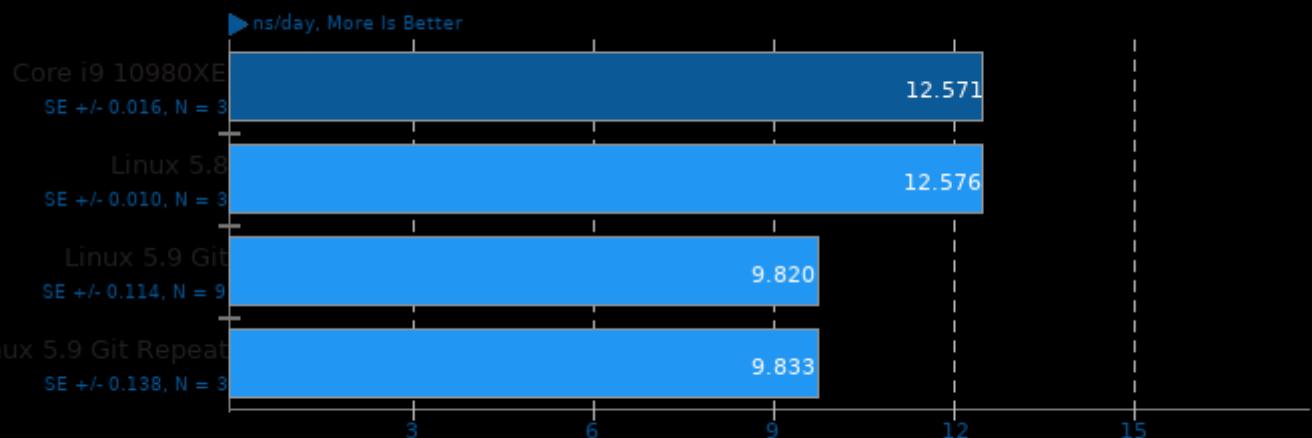
Input: Dust 2D tau100.0



1. (F9X) gfortran options: -cpp -fsource/ -ffree-line-length-0 -lm -std=legacy -O3 -O2 -pthread -lmpi_usempif08 -lmpi_mpifh -lmpi -lopen-rte -lopen-pal -lhdf5 -lhdf5_hl

LAMMPS Molecular Dynamics Simulator 24Aug2020

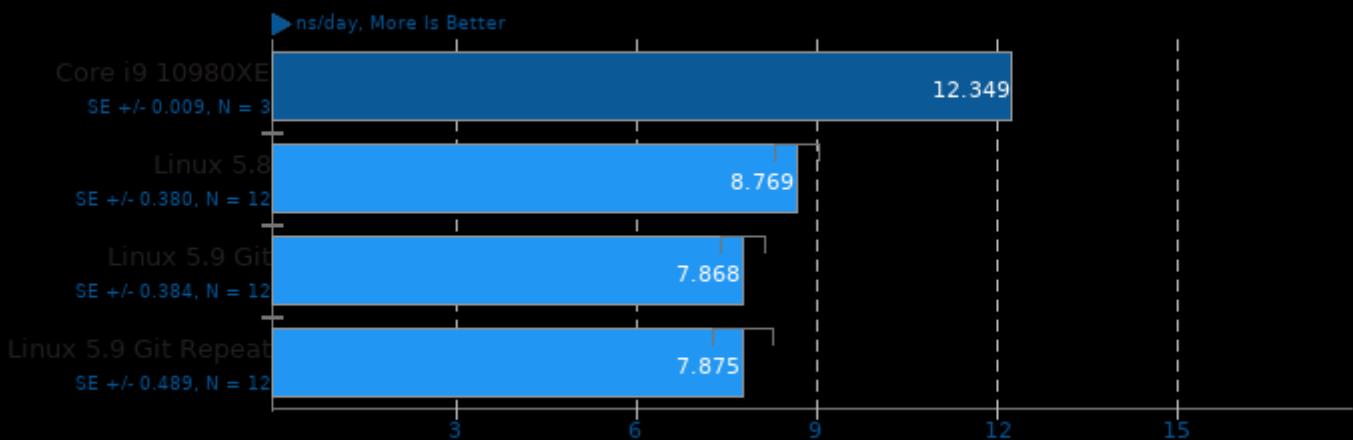
Model: 20k Atoms



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

LAMMPS Molecular Dynamics Simulator 24Aug2020

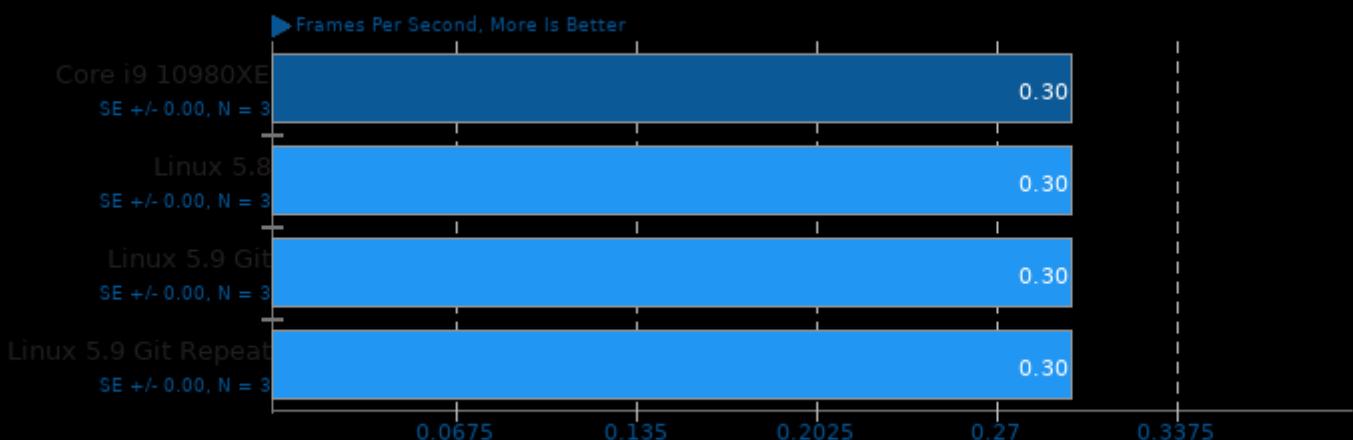
Model: Rhodopsin Protein



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

AOM AV1 2.0

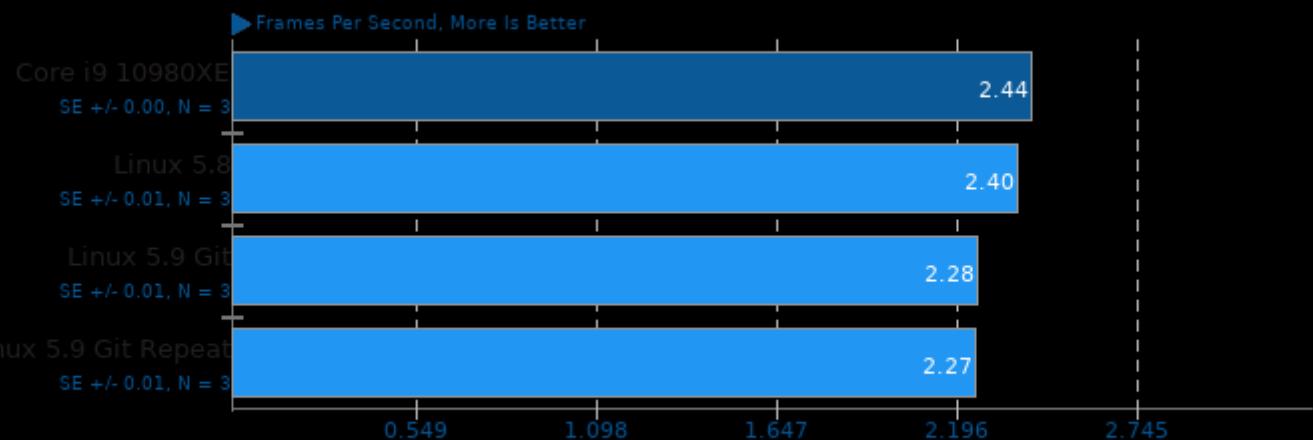
Encoder Mode: Speed 0 Two-Pass



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

AOM AV1 2.0

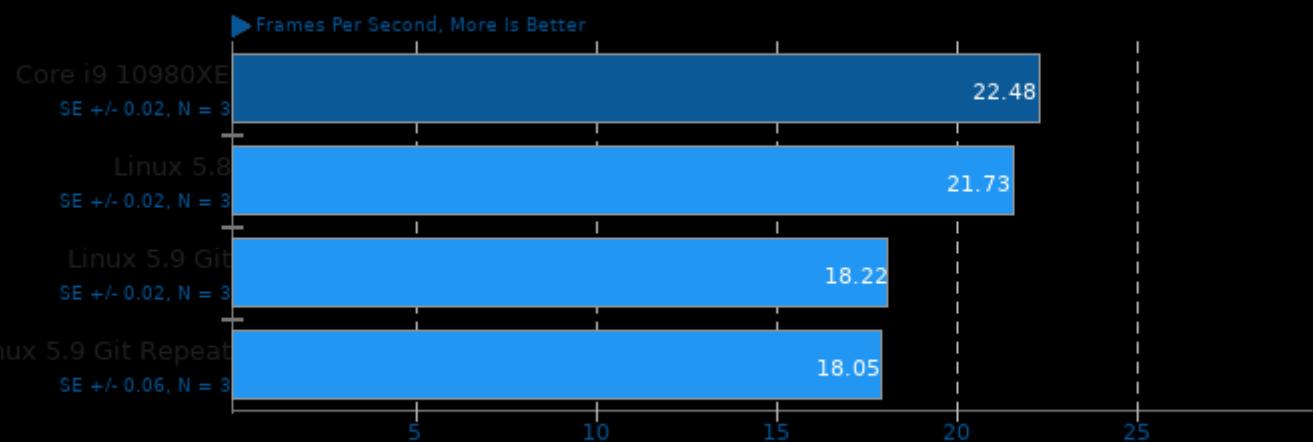
Encoder Mode: Speed 4 Two-Pass



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

AOM AV1 2.0

Encoder Mode: Speed 6 Realtime

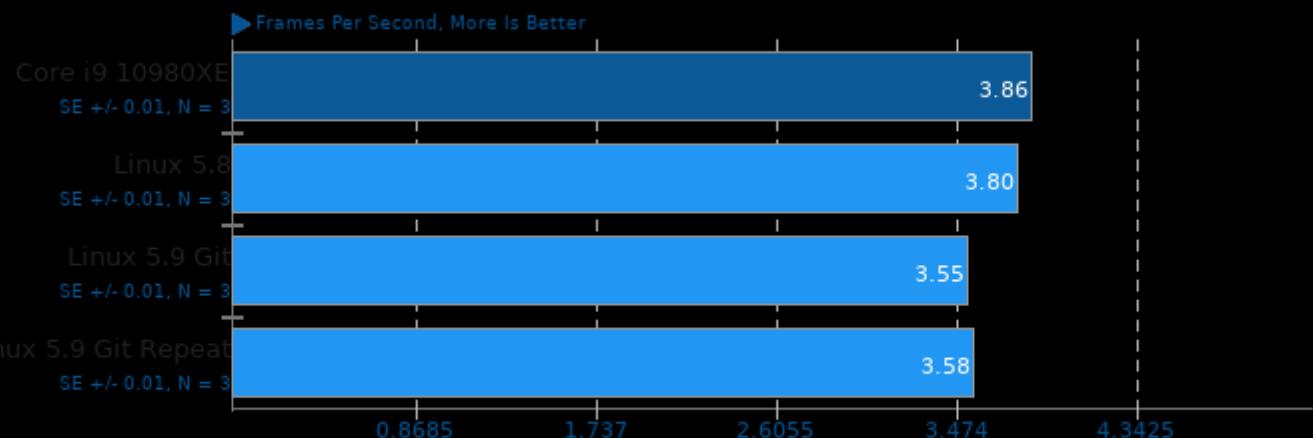


1. (CXX) g++ options: -O3 -std=c++11 -U_FORTIFY_SOURCE -fno-plt -fno-threadsafe-statics

Core i9 10980XE September

AOM AV1 2.0

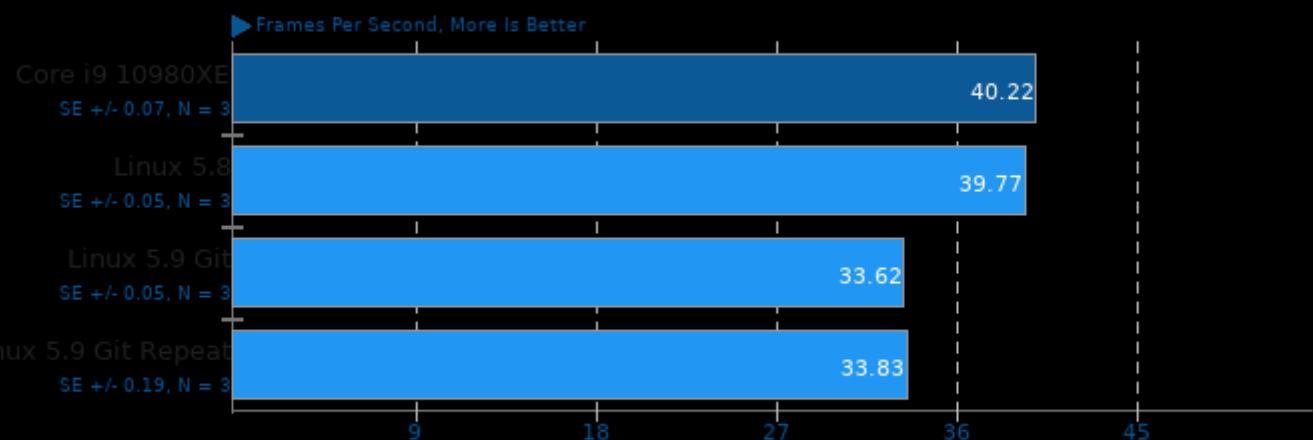
Encoder Mode: Speed 6 Two-Pass



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

AOM AV1 2.0

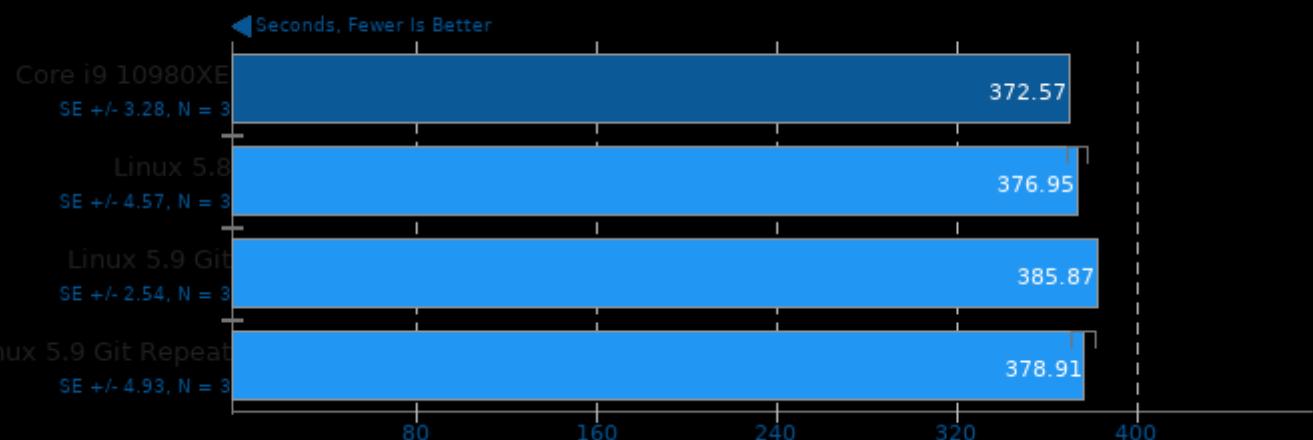
Encoder Mode: Speed 8 Realtime



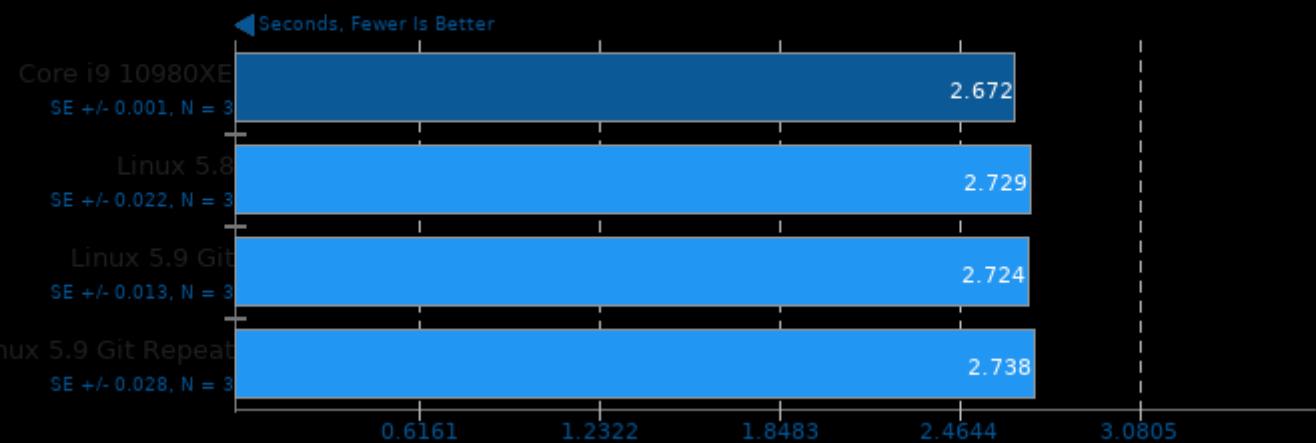
1. (CXX) g++ options: -O3 -std=c++11 -U_FORTIFY_SOURCE -lm -lpthread

Timed LLVM Compilation 10.0

Time To Compile

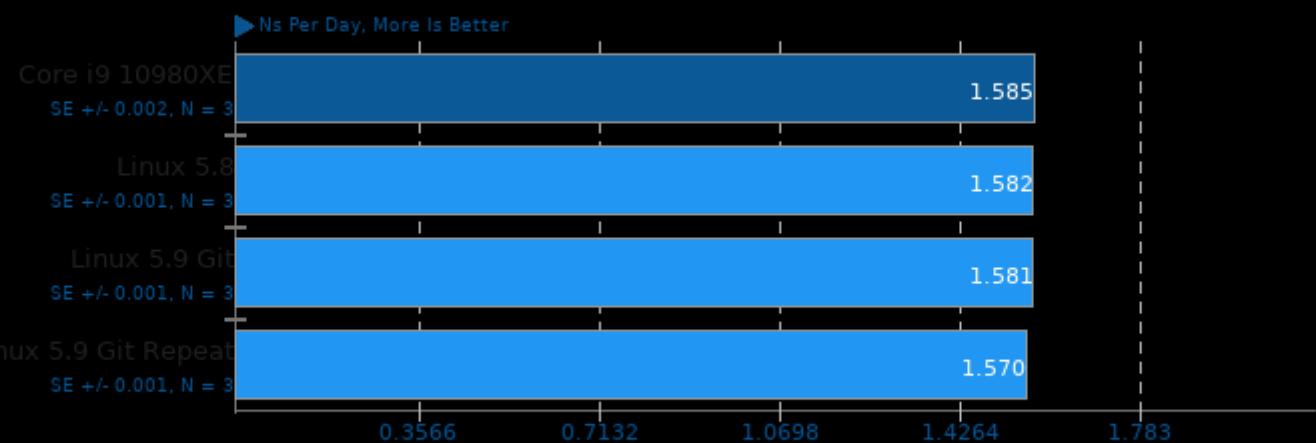


System GZIP Decompression



GROMACS 2020.1

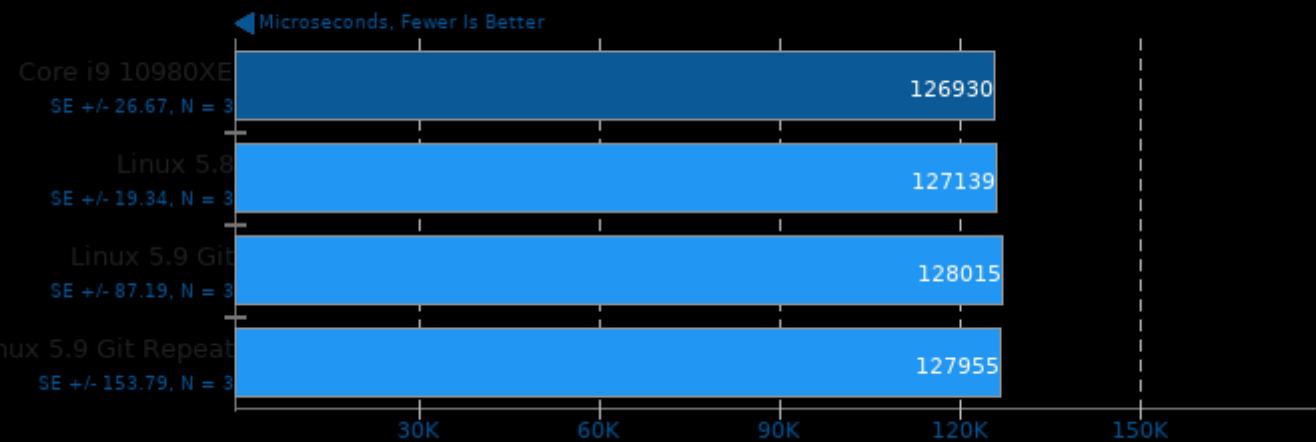
Water Benchmark



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

TensorFlow Lite 2020-08-23

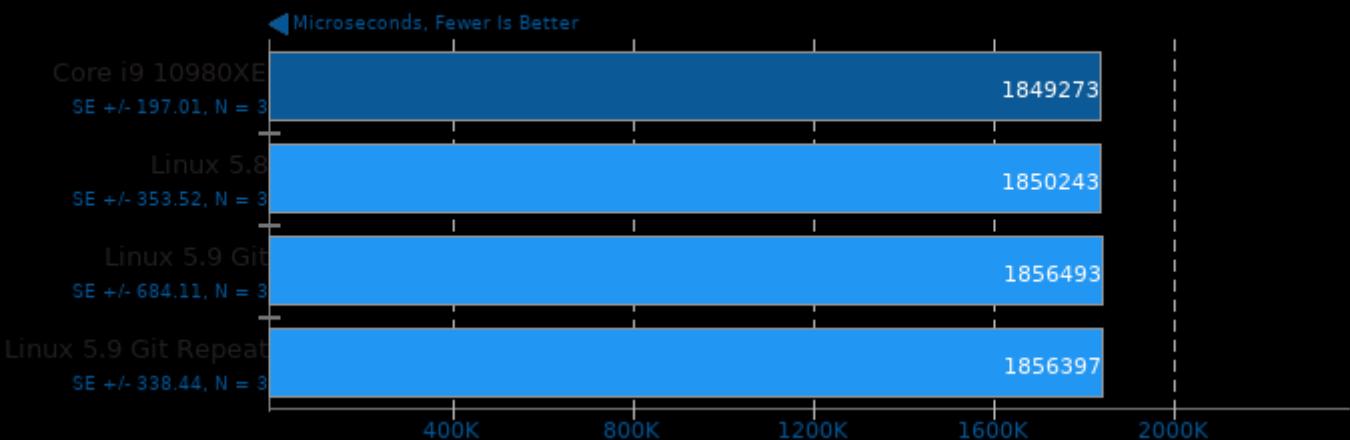
Model: SqueezeNet



Core i9 10980XE September

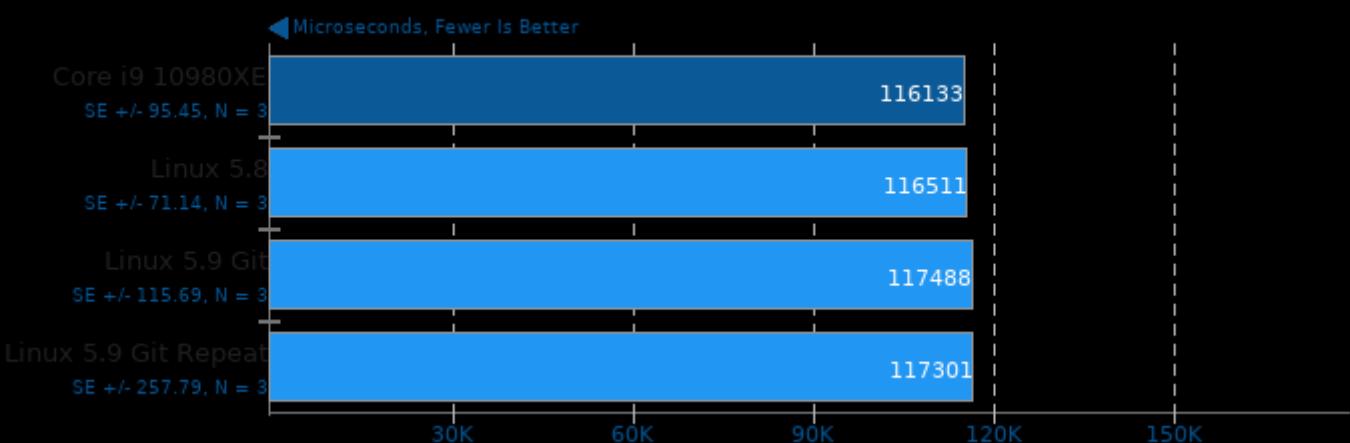
TensorFlow Lite 2020-08-23

Model: Inception V4



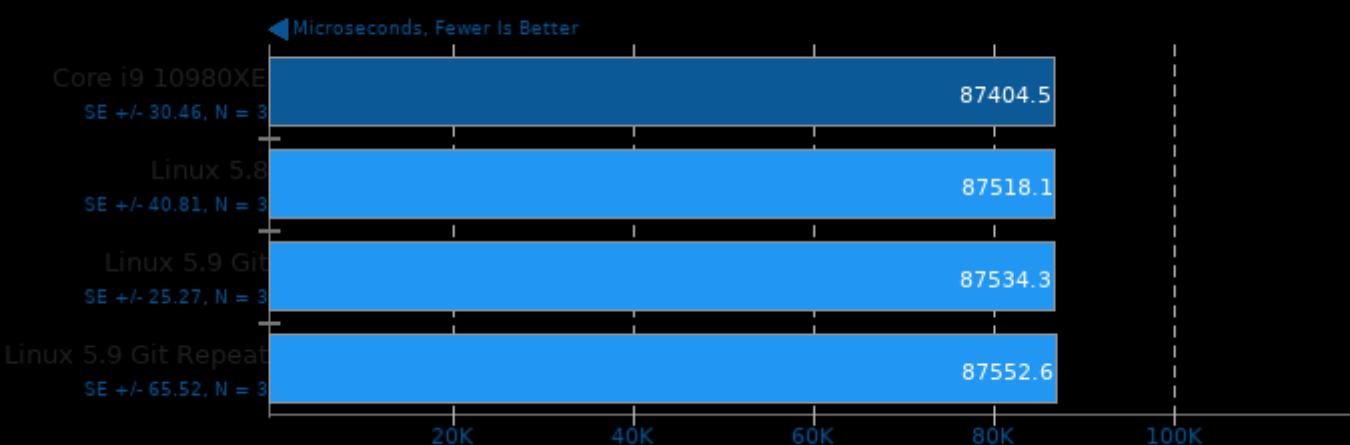
TensorFlow Lite 2020-08-23

Model: NASNet Mobile



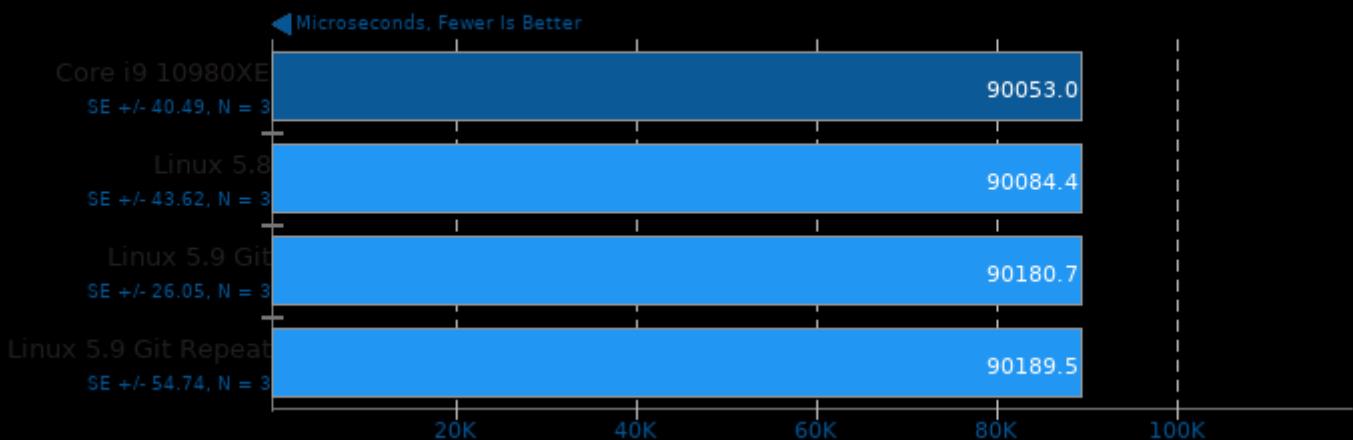
TensorFlow Lite 2020-08-23

Model: Mobilenet Float



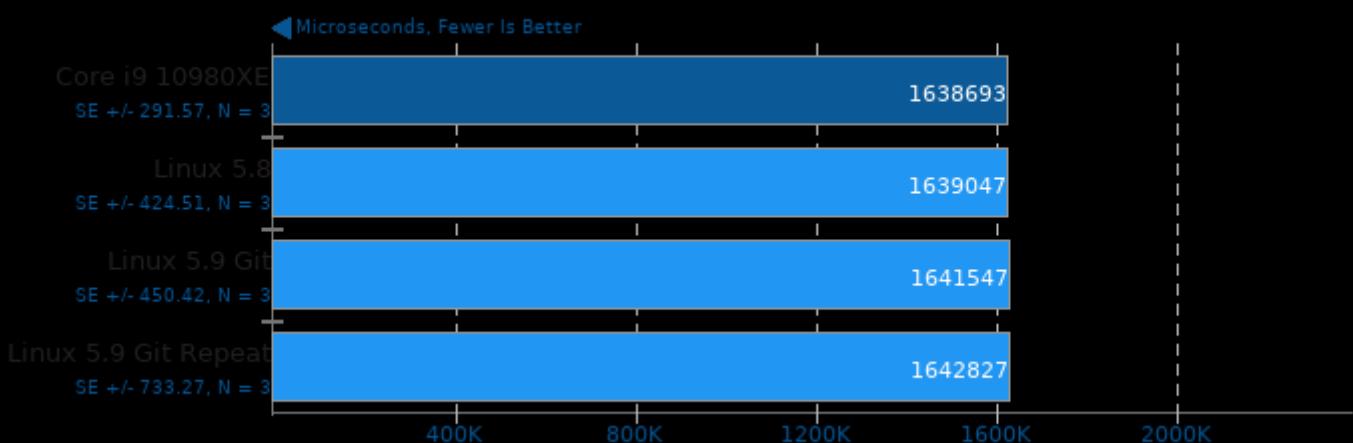
TensorFlow Lite 2020-08-23

Model: Mobilenet Quant



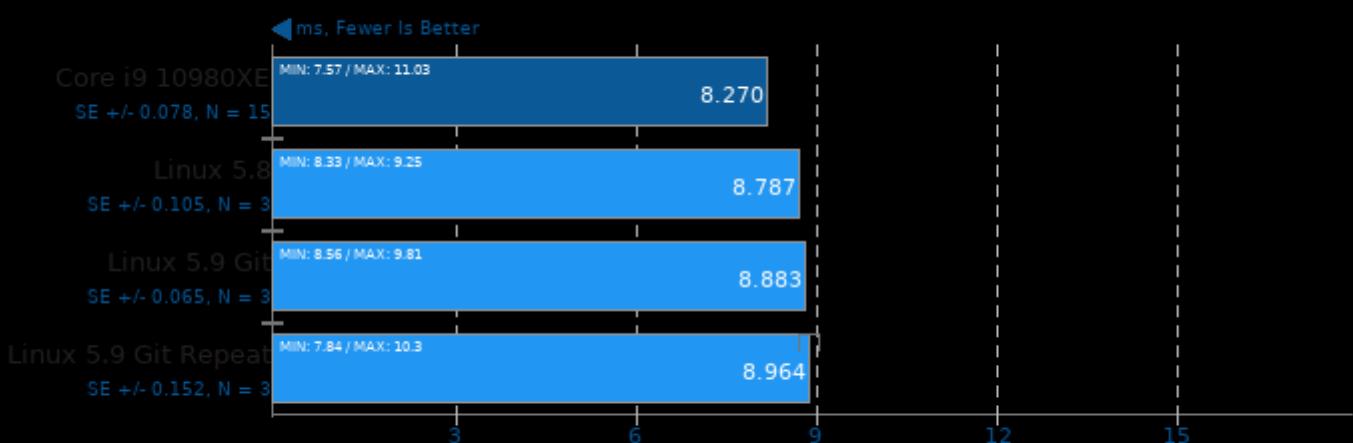
TensorFlow Lite 2020-08-23

Model: Inception ResNet V2



Mobile Neural Network 2020-09-17

Model: SqueezeNetV1.0

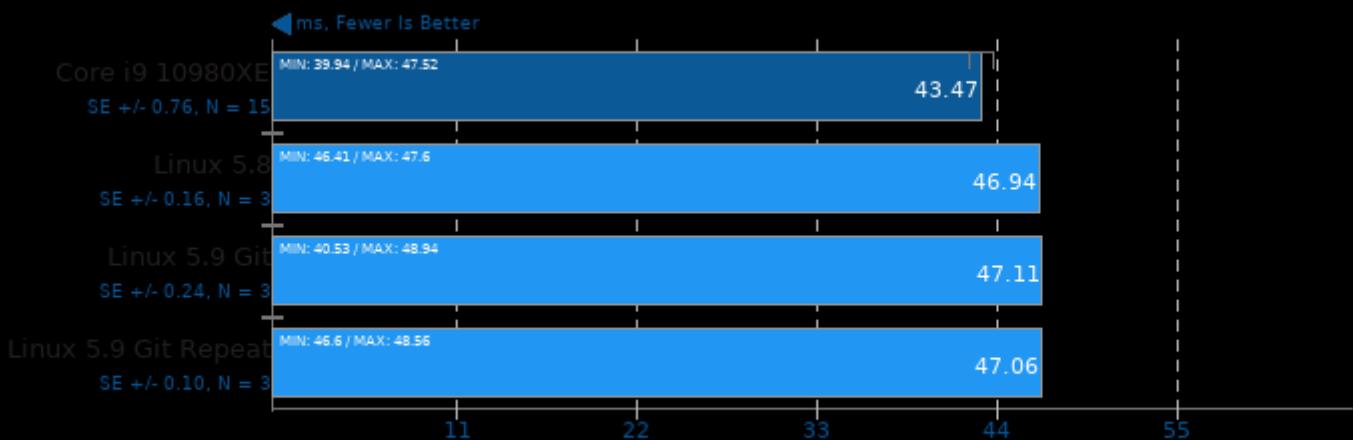


1. (CXX) g++ options: -std=c++11 -O3 -fvisibility=hidden -fomit-frame-pointer -fstrict-aliasing -ffunction-sections -fdata-sections -ffast-math -fno-rtti -fno-threadsafe-statics

Core i9 10980XE September

Mobile Neural Network 2020-09-17

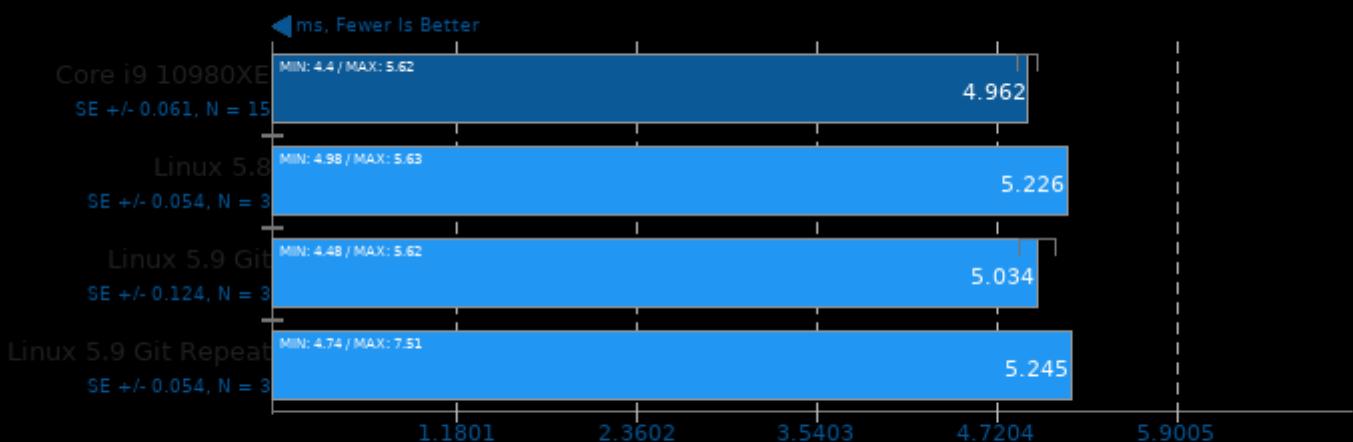
Model: resnet-v2-50



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

Mobile Neural Network 2020-09-17

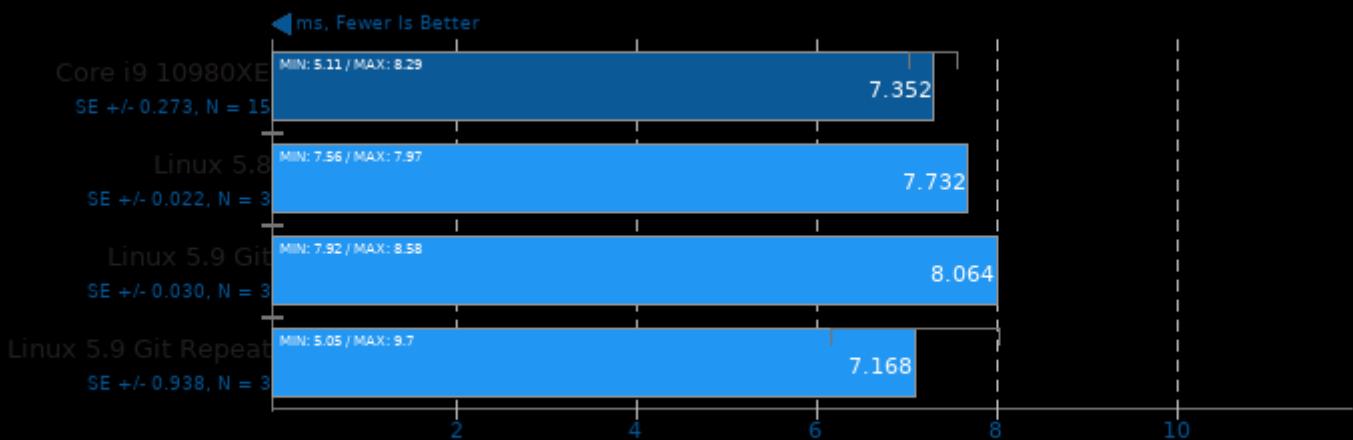
Model: MobileNetV2_224



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

Mobile Neural Network 2020-09-17

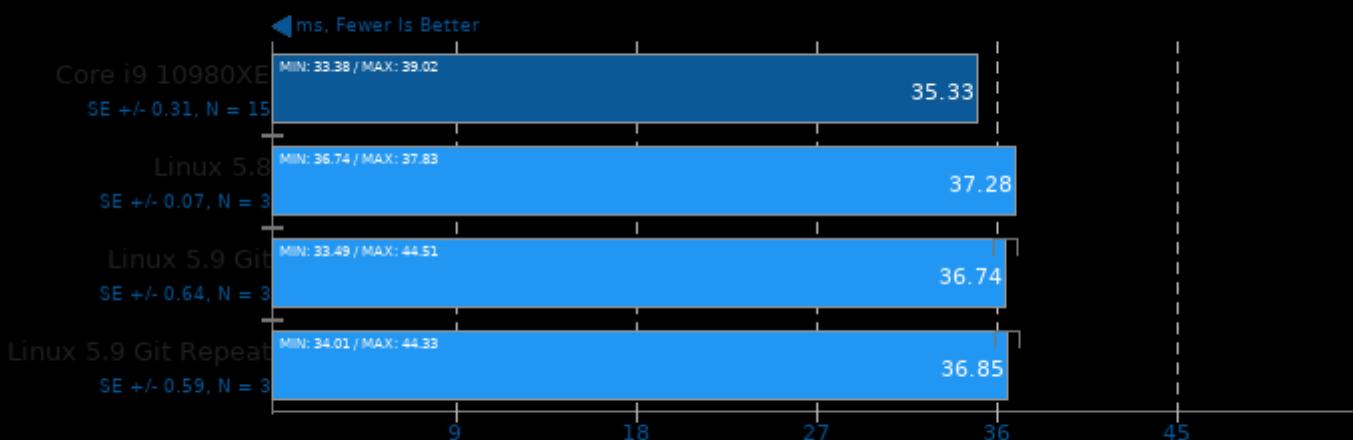
Model: mobilenet-v1-1.0



```
1. (CXX) g++ options: -std=c++11 -O3 -fvisibility=hidden -fomit-frame-pointer -fstrict-aliasing -ffunction-sections -fdata-sections -ffast-math -fno-rtti -fno-threadsafe-statics
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Mobile Neural Network 2020-09-17

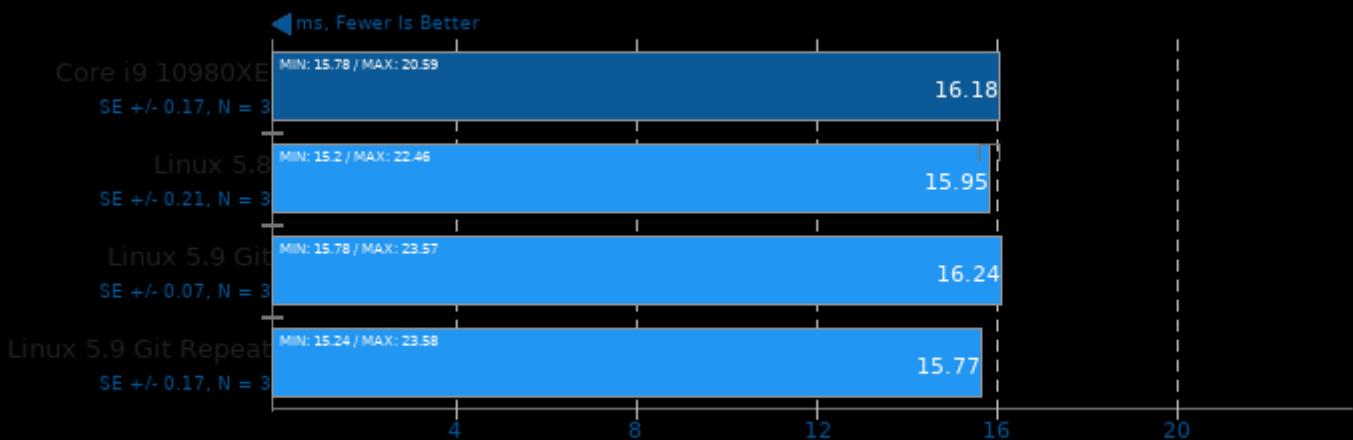
Model: inception-v3



```
1. (CXX) g++ options: -std=c++11 -O3 -fvisibility=hidden -fomit-frame-pointer -fstrict-aliasing -ffunction-sections -fdata-sections -ffast-math -fno-rtti -fno-threadsafe-statics
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NCNN 20200916

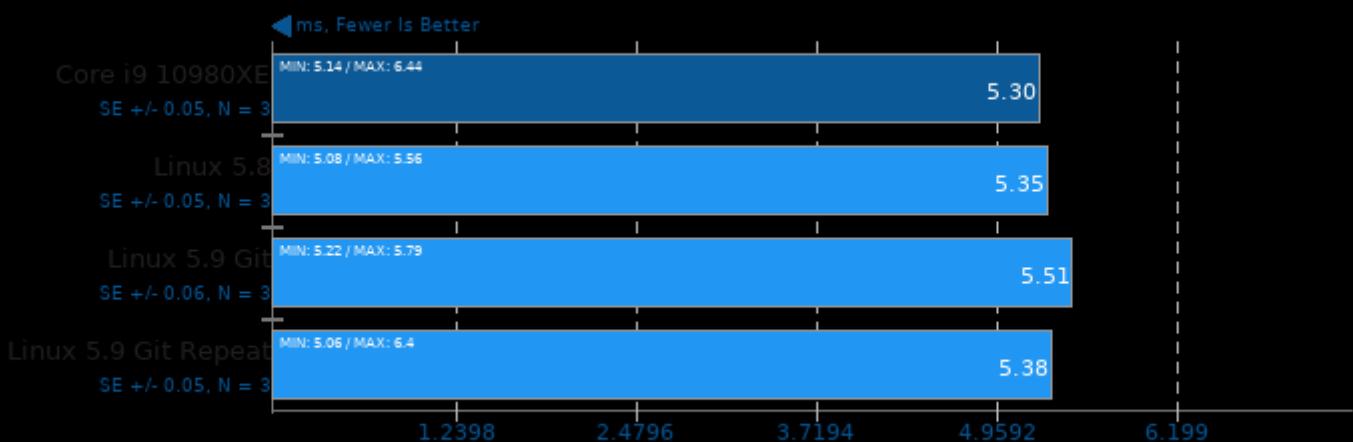
Target: CPU - Model: squeezeenet_int8



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

NCNN 20200916

Target: CPU - Model: mobilenet_v3

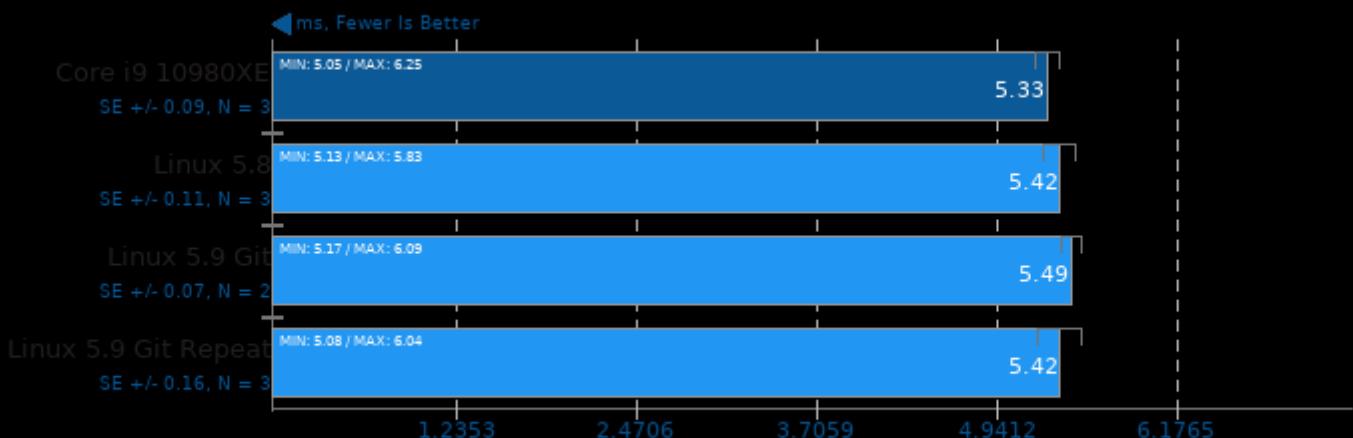


1. (CXX) g++ options: -O3 -rdynamic -lgomp -lpthread

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NCNN 20200916

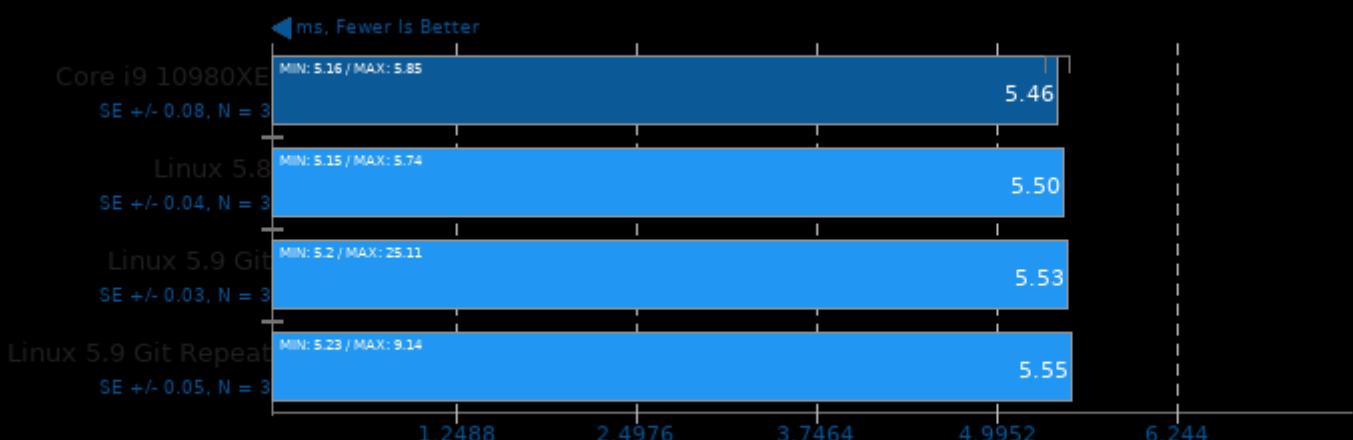
Target: CPU - Model: squeezeNet



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

NCNN 20200916

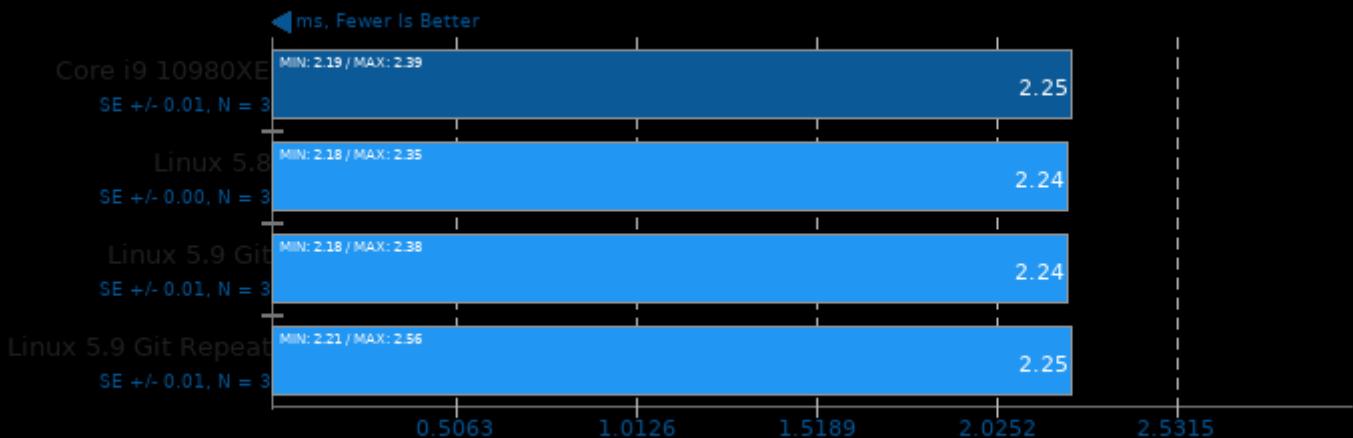
Target: CPU - Model: mnasnet



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

NCNN 20200916

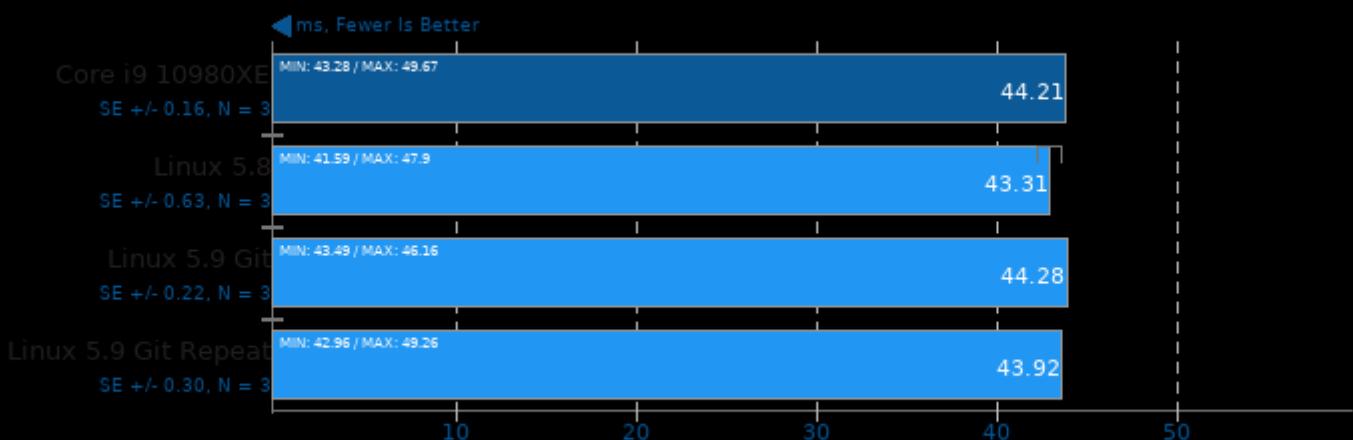
Target: CPU - Model: blazeface



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

NCNN 20200916

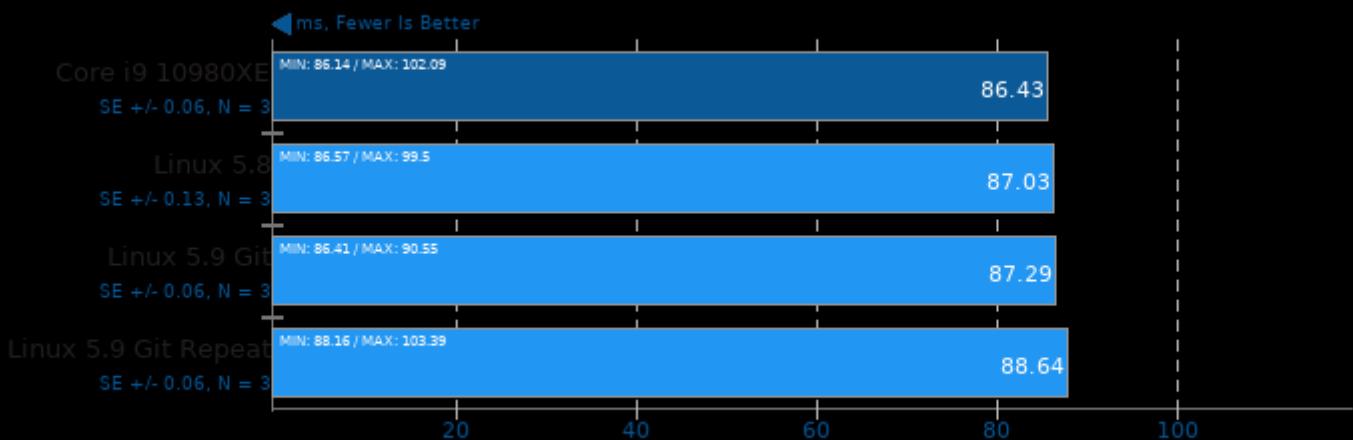
Target: CPU - Model: googlenet_int8



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

NCNN 20200916

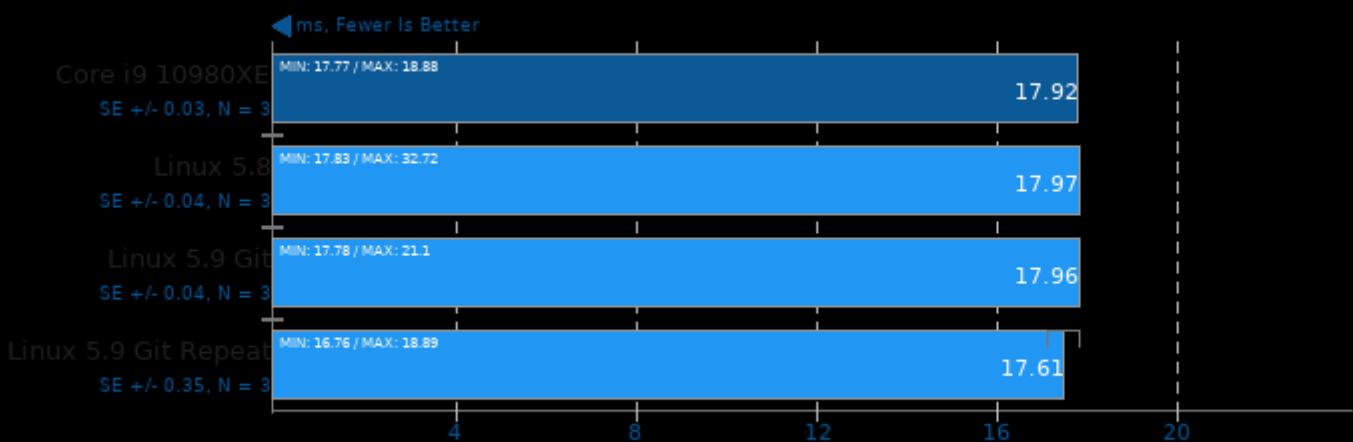
Target: CPU - Model: vgg16_int8



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

NCNN 20200916

Target: CPU - Model: resnet18_int8

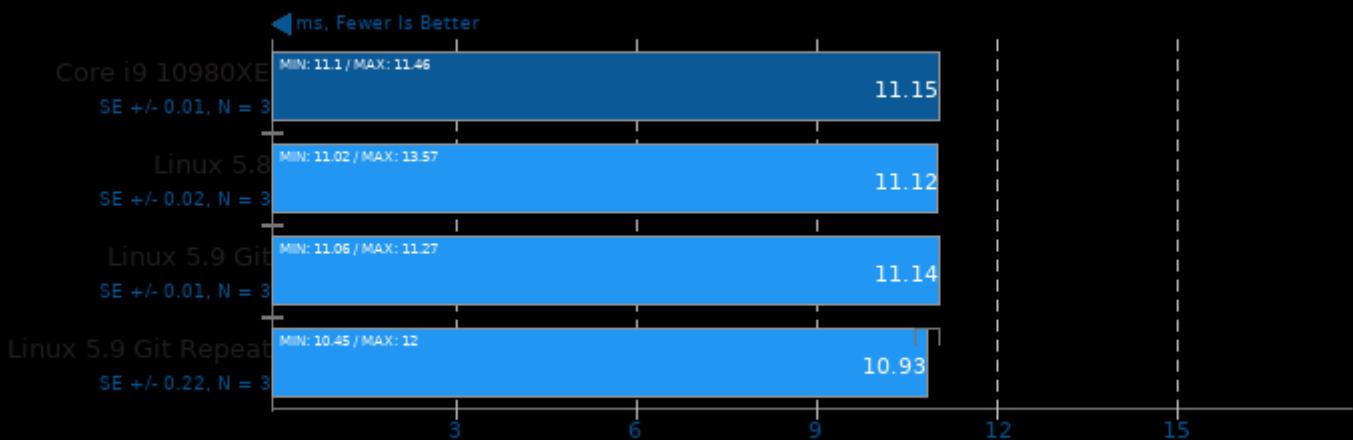


1. (CXX) g++ options: -O3 -rdynamic -lgomp -lpthread

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NCNN 20200916

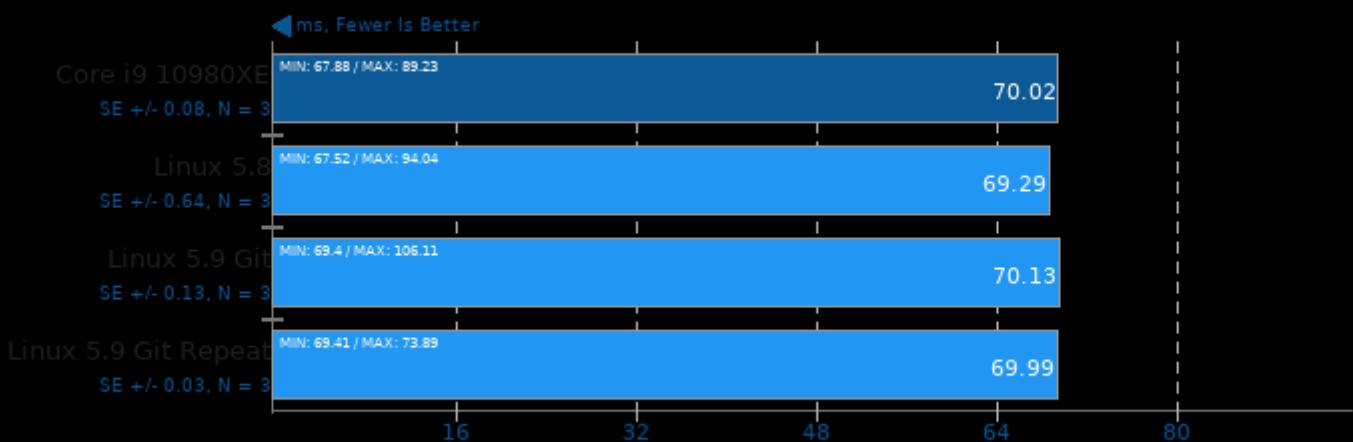
Target: CPU - Model: alexnet



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

NCNN 20200916

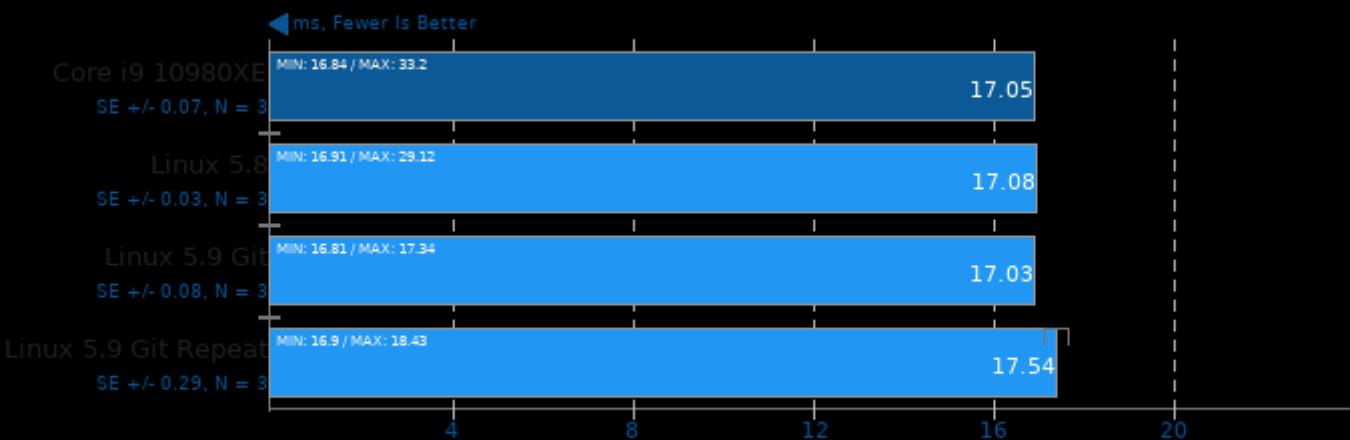
Target: CPU - Model: resnet50_int8



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

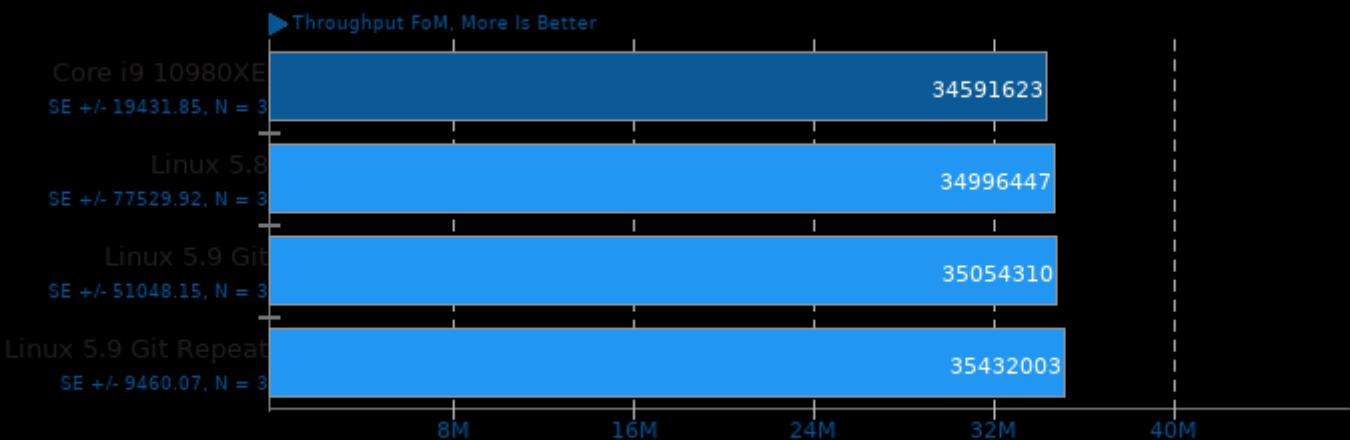
NCNN 20200916

Target: CPU - Model: mobilenetv2_yolov3



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

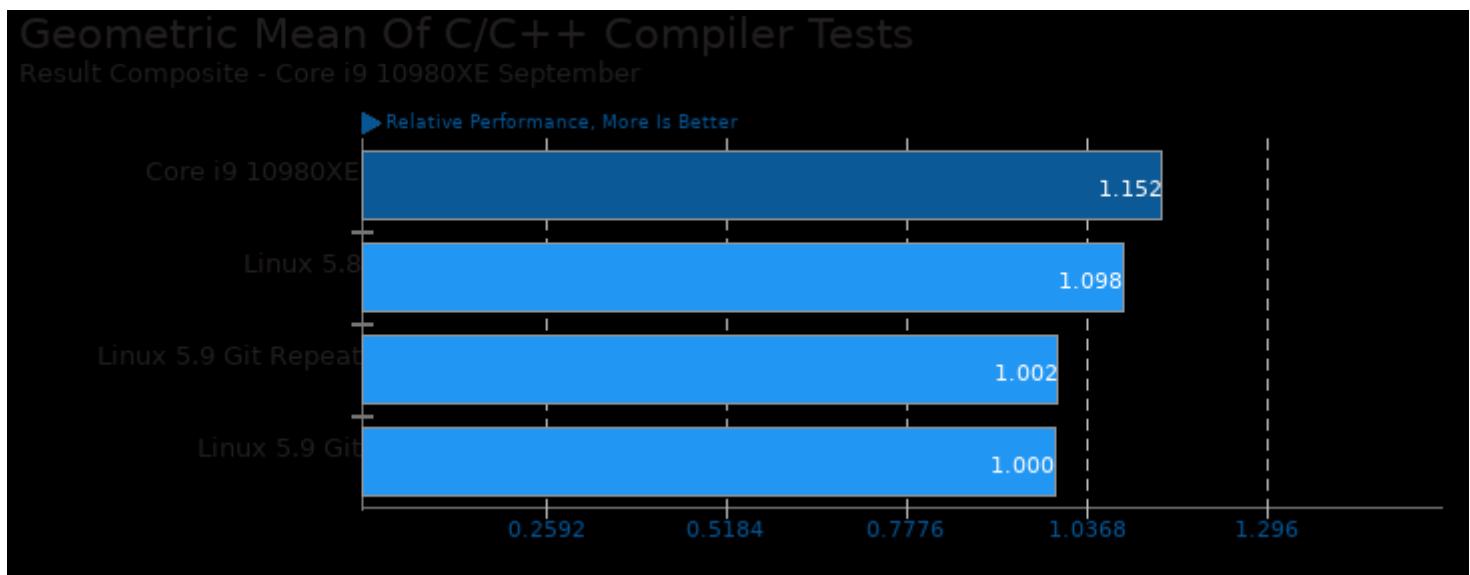
Kripke 1.2.4



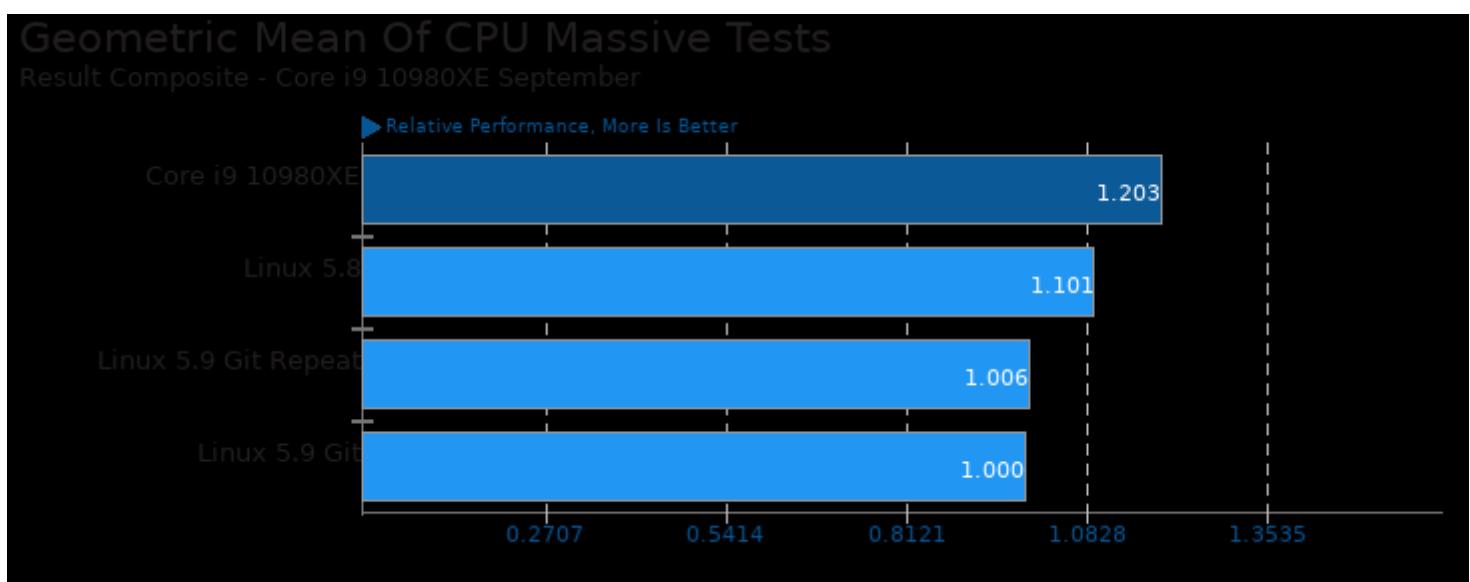
1. (CXX) g++ options: -O3 -fopenmp

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



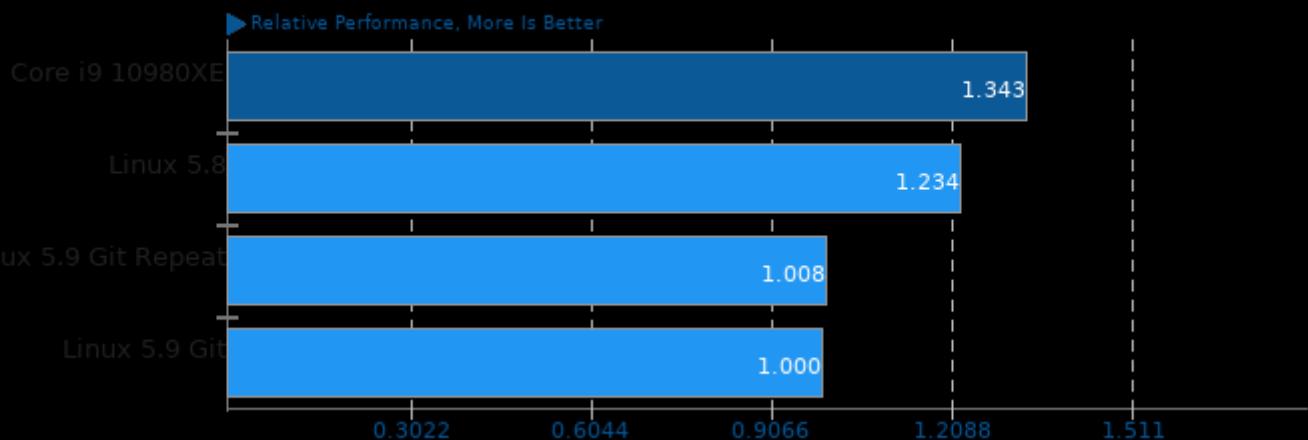
Geometric mean based upon tests: pts/build-llvm, pts/lammps, pts/aom-av1 and pts/gromacs



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

Geometric Mean Of Fortran Tests

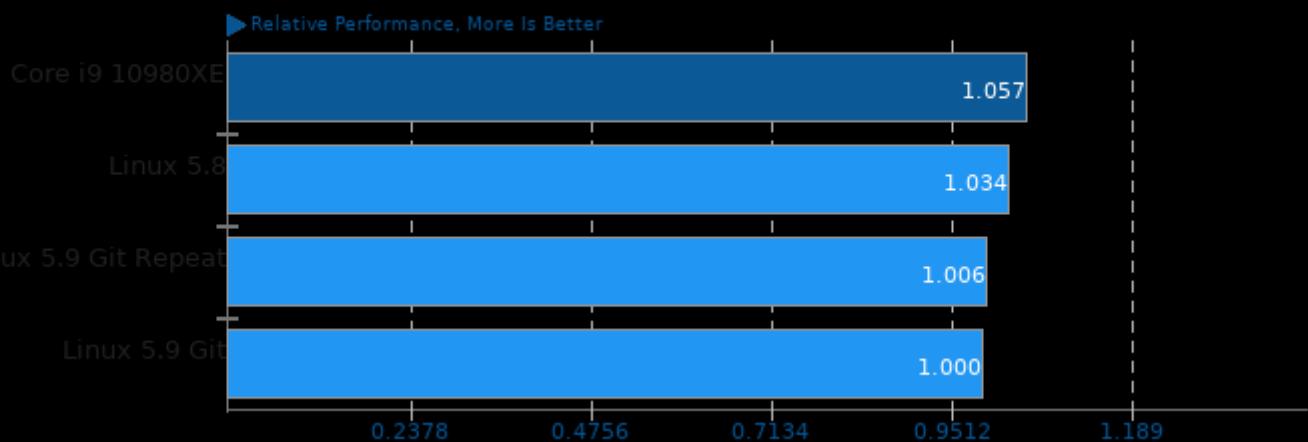
Result Composite - Core i9 10980XE September



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

Geometric Mean Of HPC - High Performance Computing Tests

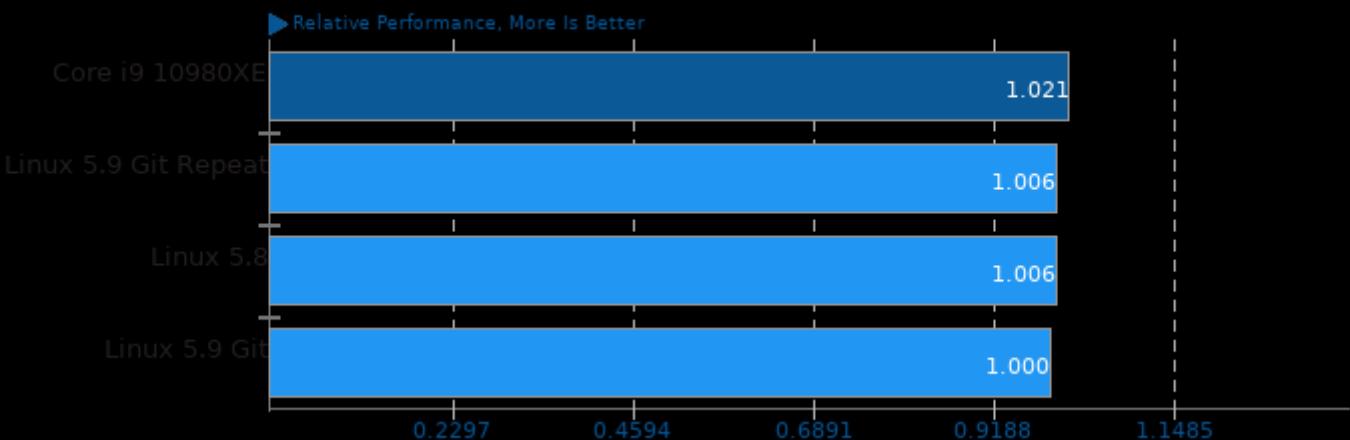
Result Composite - Core i9 10980XE September



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

Geometric Mean Of Machine Learning Tests

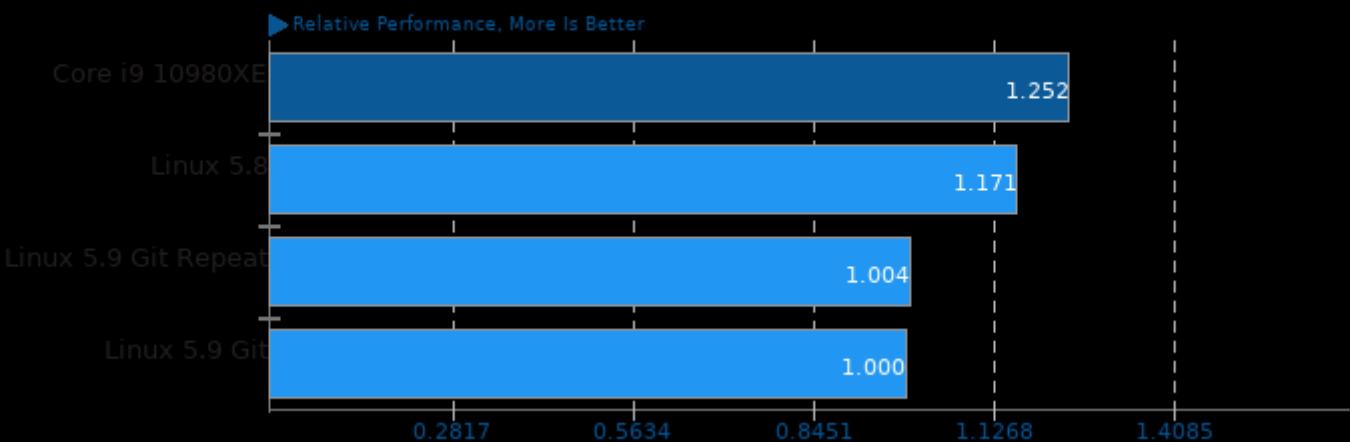
Result Composite - Core i9 10980XE September



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

Geometric Mean Of Molecular Dynamics Tests

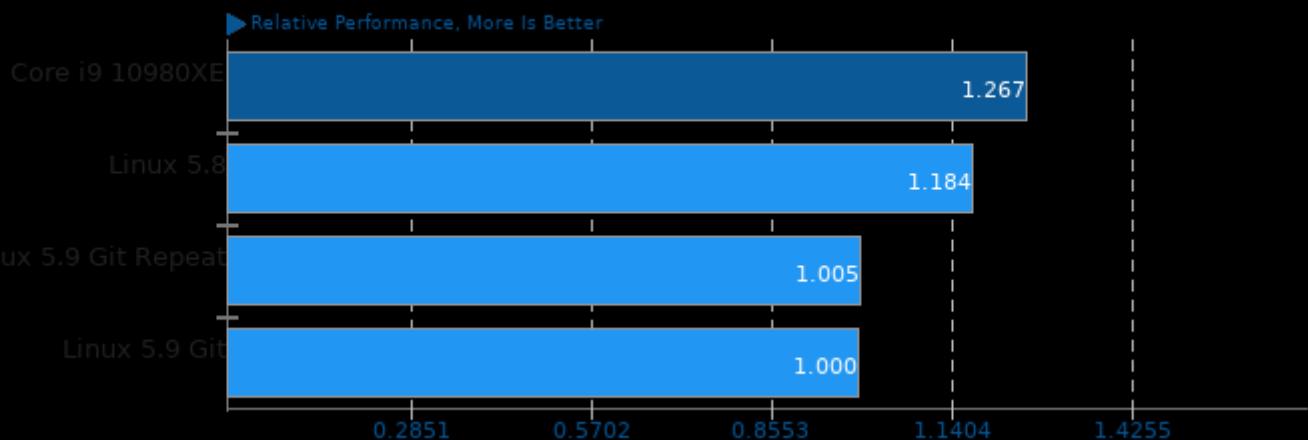
Result Composite - Core i9 10980XE September



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

Geometric Mean Of MPI Benchmarks Tests

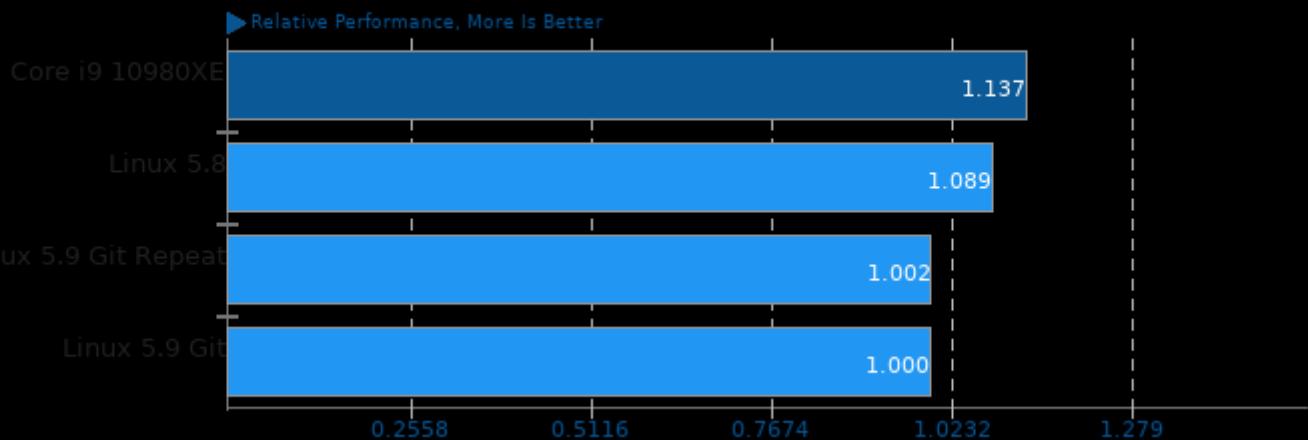
Result Composite - Core i9 10980XE September



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

Geometric Mean Of Multi-Core Tests

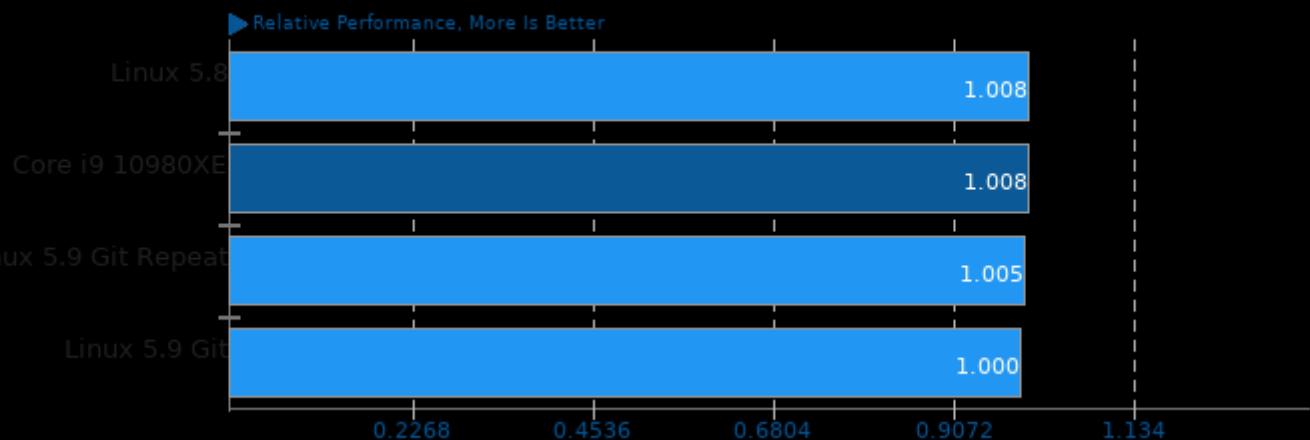
Result Composite - Core i9 10980XE September



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

Geometric Mean Of NVIDIA GPU Compute Tests

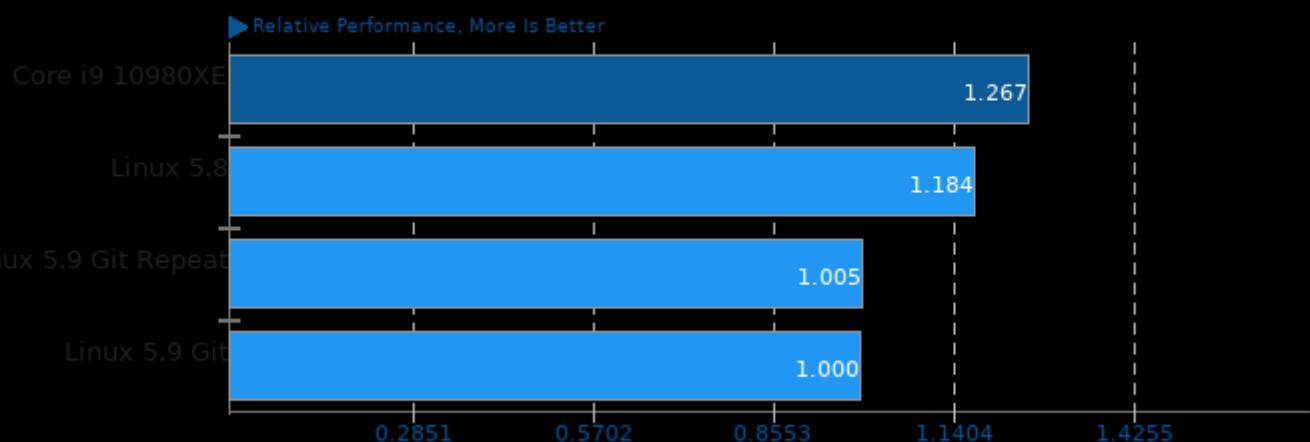
Result Composite - Core i9 10980XE September



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

Geometric Mean Of OpenMPI Tests

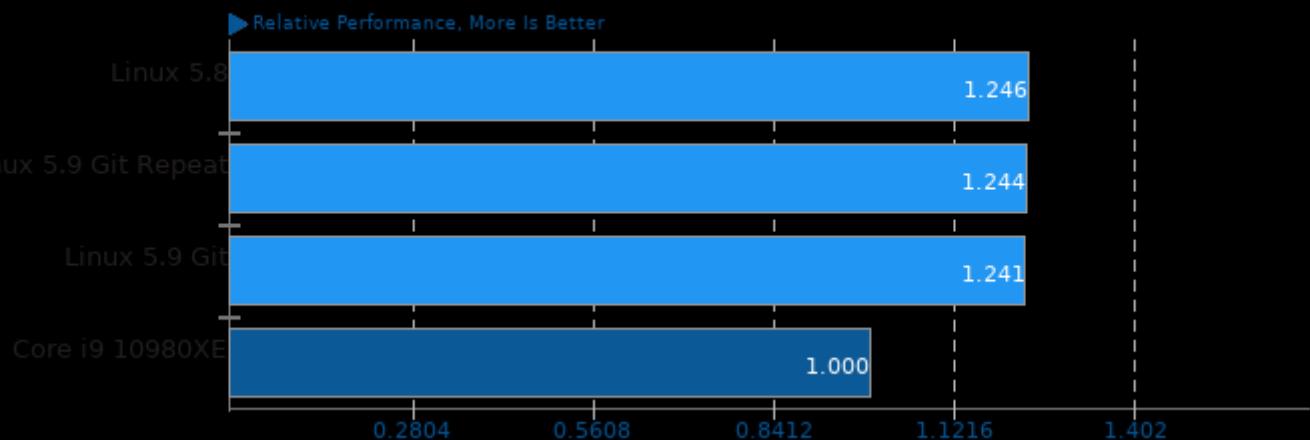
Result Composite - Core i9 10980XE September



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

Geometric Mean Of Python Tests

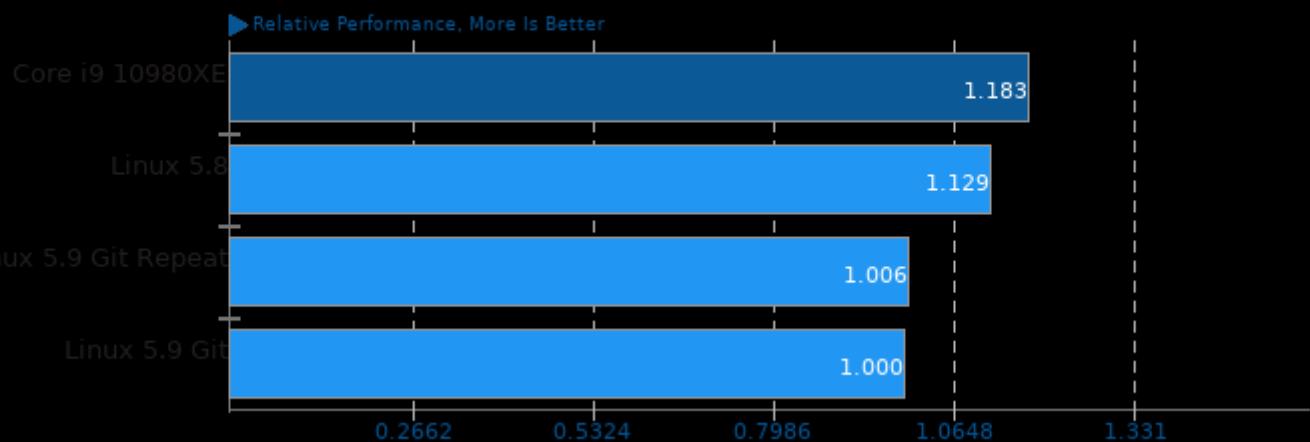
Result Composite - Core i9 10980XE September



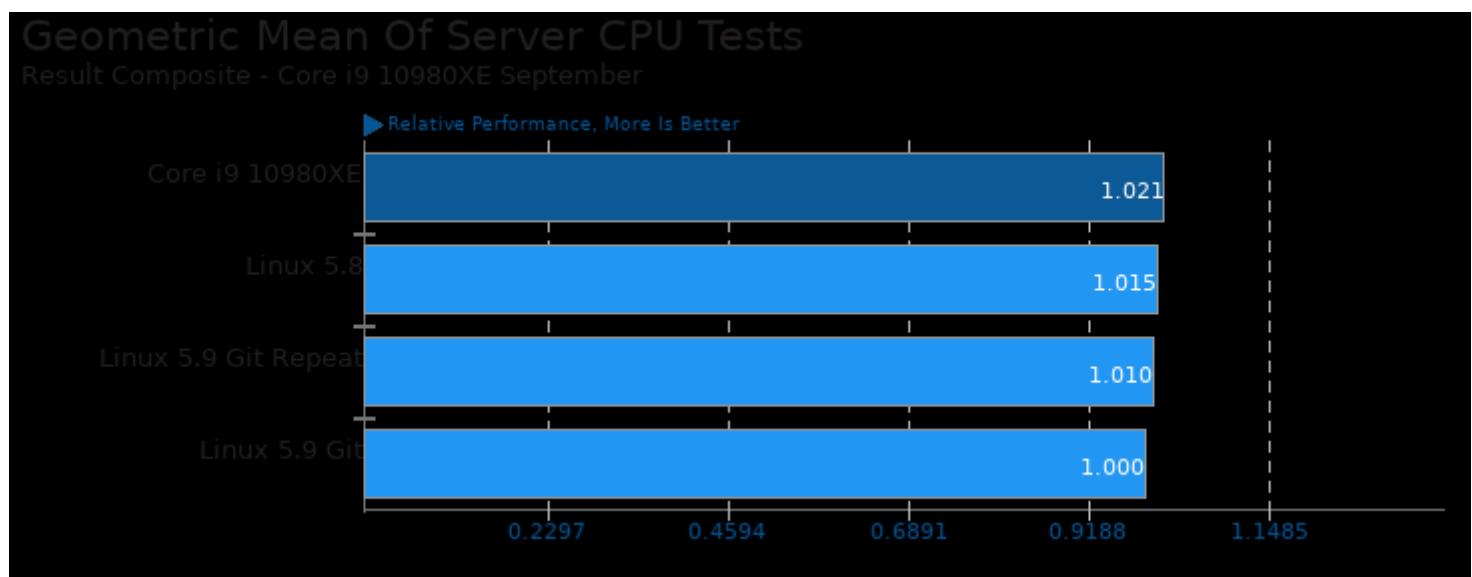
Geometric mean based upon tests: pts/glmark2 and pts/build-llvm

Geometric Mean Of Scientific Computing Tests

Result Composite - Core i9 10980XE September



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



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

This file was automatically generated via the Phoronix Test Suite benchmarking software on Thursday, 28 March 2024 05:59.