



www.phoronix-test-suite.com

7600K Nov

Intel Core i5-7600K testing with a Gigabyte Z270M-D3H-CF (F8d BIOS) and Gigabyte Intel HD 630 3GB on Ubuntu 20.04 via the Phoronix Test Suite.

Automated Executive Summary

1 had the most wins, coming in first place for 41% of the tests.

Based on the geometric mean of all complete results, the fastest (1) was 1.007x the speed of the slowest (3). 2 was 0.999x the speed of 1 and 3 was 0.994x the speed of 2.

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

Redis (Test: GET) at 1.039x

FFTE (N=256, 3D Complex FFT Routine) at 1.029x

Redis (Test: SADD) at 1.022x

OpenVINO (Model: Person Detection 0106 FP16 - Device: CPU) at 1.016x

OpenVINO (Model: Age Gender Recognition Retail 0013 FP32 - Device: CPU) at 1.016x

Sunflow Rendering System (Global Illumination + Image Synthesis) at 1.014x

LevelDB (Benchmark: Random Fill) at 1.014x

Redis (Test: SET) at 1.014x

LevelDB (Benchmark: Random Fill) at 1.013x

yquake2 (Renderer: Software CPU - Resolution: 1920 x 1080) at 1.012x.

Test Systems:

1

2

3

Processor: Intel Core i5-7600K @ 4.20GHz (4 Cores), Motherboard: Gigabyte Z270M-D3H-CF (F8d BIOS), Chipset: Intel Xeon E3-1200 v6/7th + Z270, Memory: 8GB, Disk: 250GB Samsung SSD 850, Graphics: Gigabyte Intel HD 630 3GB (1150MHz), Audio: Realtek ALC892, Monitor: DELL S2409W, Network: Intel I219-V

OS: Ubuntu 20.04, Kernel: 5.9.0-050900rc7daily20200928-generic (x86_64) 20200927, Desktop: GNOME Shell 3.36.4, Display Server: X Server 1.20.8, Display Driver: modesetting 1.20.8, OpenGL: 4.6 Mesa 20.0.8, Compiler: GCC 9.3.0, File-System: ext4, Screen Resolution: 1920x1080

Compiler Notes: --build=x86_64-linux-gnu --disable-vtable-verify --disable-werror --enable-checking=release --enable-clocale-gnu --enable-default-pie --enable-gnu-unique-object --enable-languages=c,ada,c++,go,brig,d,fortran,objc,obj-c++,gm2 --enable-libstdcxx-debug --enable-libstdcxx-time=yes --enable-multiarch --enable-multilib --enable-nls --enable-objc-gc=auto --enable-offload-targets=nvptx-none=/build/gcc-9-HskZEa/gcc-9.9.3.0/debian/tmp-nvptx/usr,hsa --enable-plugin --enable-shared --enable-threads=posix --host=x86_64-linux-gnu --program-prefix=x86_64-linux-gnu- --target=x86_64-linux-gnu --with-abi=m64 --with-arch-32=i686 --with-default-libstdcxx-abi=new --with-gcc-major-version-only --with-multilib-list=m32,m64,mx32 --with-target-system-zlib=auto --with-tune=generic --without-cuda-driver -v

Disk Notes: MQ-DEADLINE / errors=remount-ro,relatime,rw / Block Size: 4096

Processor Notes: Scaling Governor: intel_pstate powersave - CPU Microcode: 0xd6 - Thermald 1.9.1

Java Notes: OpenJDK Runtime Environment (build 11.0.9.1+1-Ubuntu-0ubuntu1.20.04)

Python Notes: Python 2.7.18rc1 + Python 3.8.5

Security Notes: itlb_multihit: KVM: Mitigation of VMX disabled + l1tf: Mitigation of PTE Inversion; VMX: conditional cache flushes SMT disabled + mds: Mitigation of Clear buffers; SMT disabled + meltdown: Mitigation of PTI + 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 Full generic retpoline IBPB: conditional IBRS_FW STIBP: disabled RSB filling + srbs: Mitigation of Microcode + tsx_async_abort: Mitigation of Clear buffers; SMT disabled

	1	2	3
LevelDB - Hot Read (us/Op)	1.271	1.260	1.267
Normalized	99.13%	100%	99.45%
Standard Deviation	1%	2.8%	2.8%
LevelDB - Fill Sync (MB/s)	0.1	0.1	0.1
Standard Deviation	0%	0%	0%
LevelDB - Fill Sync (us/Op)	3458	3457	3425
Normalized	99.05%	99.09%	100%
Standard Deviation	0.5%	0.4%	0%
LevelDB - Overwrite (MB/s)	30.4	31.5	31.6
Normalized	96.2%	99.68%	100%
Standard Deviation	7.7%	2.3%	1.7%
LevelDB - Overwrite (us/Op)	14.570	13.980	13.936
Normalized	95.65%	99.69%	100%
Standard Deviation	8.4%	2.3%	1.5%

LevelDB - Rand Fill (MB/s)	31.3	31.5	31.7
Normalized	98.74%	99.37%	100%
Standard Deviation	1.3%	2.9%	0.5%
LevelDB - Rand Fill (us/Op)	14.079	14.005	13.891
Normalized	98.66%	99.19%	100%
Standard Deviation	1.3%	3.1%	0.4%
LevelDB - Rand Read (us/Op)	1.268	1.266	1.263
Normalized	99.61%	99.76%	100%
Standard Deviation	0.4%	1.6%	0.3%
LevelDB - Seek Rand (us/Op)	1.631	1.636	1.632
Normalized	100%	99.69%	99.94%
Standard Deviation	1.2%	2%	0.5%
LevelDB - Rand Delete (us/Op)	13.631	13.616	13.615
Normalized	99.88%	99.99%	100%
Standard Deviation	2.9%	1.7%	2.7%
LevelDB - Seq Fill (MB/s)	33.0	33.0	32.7
Normalized	100%	100%	99.09%
Standard Deviation	0.9%	3%	3%
LevelDB - Seq Fill (us/Op)	13.358	13.388	13.476
Normalized	100%	99.78%	99.12%
Standard Deviation	0.9%	2.9%	2.9%
Waifu2x-NCNN Vulkan - 2x - 3 - No (sec)	15.115	14.992	15.009
Normalized	99.19%	100%	99.89%
Standard Deviation	1.3%	0.1%	0.1%
Waifu2x-NCNN Vulkan - 2x - 3 - Yes (sec)	112.913	112.590	112.667
Normalized	99.71%	100%	99.93%
Standard Deviation	0.2%	0.1%	0%
VkFFT (Benchmark Score)	1025	1019	1016
Normalized	100%	99.41%	99.12%
Standard Deviation			0.1%
yquake2 - OpenGL 1.x - 1920 x 1080 (FPS)	152.3	152.6	153.5
Normalized	99.22%	99.41%	100%
Standard Deviation	0.3%	0.2%	0.9%
yquake2 - OpenGL 3.x - 1920 x 1080 (FPS)	173.8	174.2	173.7
Normalized	99.77%	100%	99.71%
Standard Deviation	0.2%	0.1%	0.3%
yquake2 - Software CPU - 1920 x 1080 (FPS)	66.2	66.7	67.0
Normalized	98.81%	99.55%	100%
Standard Deviation	0.7%	0.6%	0.1%
FFTE - N.2.3.C.F.R (MFLOPS)	14441	14705	14857
Normalized	97.2%	98.97%	100%
Standard Deviation	0.3%	0.9%	0.7%
Timed HMMer Search - P.D.S (sec)	111.535	111.527	111.473
Normalized	99.94%	99.95%	100%
Standard Deviation	0.1%	0%	0%
LAMMPS Molecular Dynamics Simulator - Rhodopsin Protein (ns/day)	3.053	3.048	3.021
Normalized	100%	99.84%	98.95%
Standard Deviation	0.3%	0.4%	0.8%
LZ4 Compression - 1 - Compression Speed (MB/s)	4397	4395	4398
Normalized	99.98%	99.93%	100%
Standard Deviation	0.1%	0.1%	0.1%
LZ4 Compression - 1 - D.S (MB/s)	4869	4863	4862
Normalized	100%	99.88%	99.86%

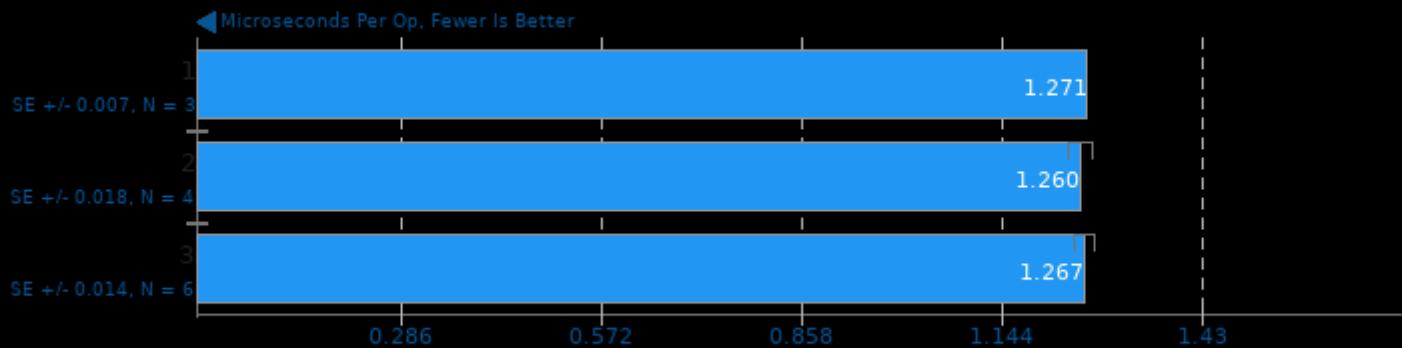
	Standard Deviation	0.1%	0.1%	0%
LZ4 Compression - 3 - Compression Speed	47.46	47.38	47.61	
(MB/s)				
Normalized	99.68%	99.52%	100%	
Standard Deviation	0.1%	0.3%	0.1%	
LZ4 Compression - 3 - D.S (MB/s)	4891	4885	4884	
Normalized	100%	99.88%	99.87%	
Standard Deviation	0%	0.1%	0.1%	
LZ4 Compression - 9 - Compression Speed	46.15	46.5	46.42	
(MB/s)				
Normalized	99.25%	100%	99.83%	
Standard Deviation	0.7%	0%	0.2%	
LZ4 Compression - 9 - D.S (MB/s)	4889	4882	4886	
Normalized	100%	99.84%	99.92%	
Standard Deviation	0.1%	0%	0%	
Kvazaar - Bosphorus 4K - Slow (FPS)	1.98	1.99	1.98	
Normalized	99.5%	100%	99.5%	
Standard Deviation	0%	0%	0%	
Kvazaar - Bosphorus 4K - Medium (FPS)	2.03	2.04	2.03	
Normalized	99.51%	100%	99.51%	
Standard Deviation	0%	0%	0%	
Kvazaar - Bosphorus 1080p - Slow (FPS)	8.78	8.79	8.76	
Normalized	99.89%	100%	99.66%	
Standard Deviation	0.2%	0.2%	0.1%	
Kvazaar - Bosphorus 1080p - Medium (FPS)	9.03	9.03	9.02	
Normalized	100%	100%	99.89%	
Standard Deviation	0.1%	0.1%	0.2%	
Kvazaar - Bosphorus 4K - Very Fast (FPS)	5.46	5.47	5.45	
Normalized	99.82%	100%	99.63%	
Standard Deviation	0.3%	0.2%	0.2%	
Kvazaar - Bosphorus 4K - Ultra Fast (FPS)	9.57	9.58	9.57	
Normalized	99.9%	100%	99.9%	
Standard Deviation	0.2%	0.2%	0.2%	
Kvazaar - Bosphorus 1080p - Very Fast (FPS)	22.56	22.65	22.55	
Normalized	99.6%	100%	99.56%	
Standard Deviation	0.4%	0.6%	0.6%	
Kvazaar - Bosphorus 1080p - Ultra Fast	39.37	39.30	39.36	
Normalized	99.9%	99.82%	99.97%	
Standard Deviation	0.2%	1.2%	0.3%	
x265 - Bosphorus 4K (FPS)	6.88	6.91	6.91	
Normalized	99.57%	100%	100%	
Standard Deviation	0.8%	1.5%	0.4%	
x265 - Bosphorus 1080p (FPS)	29.84	29.94	29.80	
Normalized	99.67%	100%	99.53%	
Standard Deviation	0.7%	1.2%	0.7%	
Numpy Benchmark (Score)	296.98	296.47	296.57	
Normalized	100%	99.83%	99.86%	
Standard Deviation	0.4%	0.6%	0.1%	
eSpeak-NG Speech Engine - T.T.S.S (sec)	29.591	29.785	29.808	
Normalized	100%	99.35%	99.27%	
Standard Deviation	2%	0.3%	0.2%	
RNNNoise (sec)	25.886	25.873	25.925	
Normalized	99.95%	100%	99.8%	
Standard Deviation	0.4%	0.5%	0.5%	
KeyDB (Ops/sec)	290920	291953	290609	

	Normalized	99.65%	100%	99.54%
	Standard Deviation	4.3%	3.7%	4.2%
GROMACS - Water Benchmark (Ns/Day)		0.397		0.398
	Normalized	99.75%	98.99%	100%
	Standard Deviation	1.1%	1.7%	0.8%
Redis - LPOP (Reqs/sec)	2667046	2302391		1613305
	Normalized	100%	86.33%	60.49%
	Standard Deviation	0.5%	19.2%	1.7%
Redis - SADD (Reqs/sec)	2079332	2089933		2044627
	Normalized	99.49%	100%	97.83%
	Standard Deviation	1.4%	1%	2.2%
Redis - LPUSH (Reqs/sec)	1584434	1588027		1601142
	Normalized	98.96%	99.18%	100%
	Standard Deviation	0.9%	2.1%	0.4%
Redis - GET (Reqs/sec)	2414284	2324197	2348032	
	Normalized	100%	96.27%	97.26%
	Standard Deviation	1.2%	1.2%	0.9%
Redis - SET (Reqs/sec)	1867075	1842156	1842321	
	Normalized	100%	98.67%	98.67%
	Standard Deviation	1.1%	0.9%	2.1%
OpenVINO - F.D.O.F - CPU (FPS)	1.13	1.13	1.13	
	Standard Deviation	0%	0.5%	0.9%
OpenVINO - F.D.O.F - CPU (ms)	3531	3524		3521
	Normalized	99.72%	99.91%	100%
	Standard Deviation	0.2%	0.4%	0.5%
OpenVINO - F.D.O.F - CPU (FPS)	1.12	1.12	1.12	
	Standard Deviation	0.5%	0.5%	0.5%
OpenVINO - F.D.O.F - CPU (ms)	3539	3542		3536
	Normalized	99.92%	99.82%	100%
	Standard Deviation	0.2%	0.5%	0.6%
OpenVINO - P.D.O.F - CPU (FPS)	0.63	0.64		0.63
	Normalized	98.44%	100%	98.44%
	Standard Deviation	0.9%	0.9%	2.9%
OpenVINO - P.D.O.F - CPU (ms)	6262	6250		6306
	Normalized	99.81%	100%	99.11%
	Standard Deviation	1%	0.7%	1.4%
OpenVINO - P.D.O.F - CPU (FPS)	0.63	0.63	0.63	
	Standard Deviation	0%	0%	0%
OpenVINO - P.D.O.F - CPU (ms)	6303	6309		6328
	Normalized	100%	99.91%	99.62%
	Standard Deviation	0.8%	0.6%	0.2%
OpenVINO - A.G.R.R.O.F - CPU (FPS)	2030	2029		2006
	Normalized	100%	99.93%	98.83%
	Standard Deviation	0.2%	0.3%	0.4%
OpenVINO - A.G.R.R.O.F - CPU (ms)	1.90	1.91		1.90
	Normalized	100%	99.48%	100%
	Standard Deviation	0.3%	0.5%	0.5%
OpenVINO - A.G.R.R.O.F - CPU (FPS)	2016	2014		2027
	Normalized	99.45%	99.33%	100%
	Standard Deviation	0.3%	0.2%	0.3%
OpenVINO - A.G.R.R.O.F - CPU (ms)	1.89	1.91		1.92
	Normalized	100%	98.95%	98.44%
	Standard Deviation	1.2%	0.3%	0.3%
IndigoBench - CPU - Bedroom (M samples/s)	0.509	0.508		0.509
	Normalized	100%	99.8%	100%

	Standard Deviation	0.4%	0.3%	0.3%
IndigoBench - CPU - Supercar (M samples/s)	1.282	1.280	1.284	
	Normalized	99.84%	99.69%	100%
	Standard Deviation	0.4%	0.1%	0.4%
Geekbench - GPU Vulkan (Score)	4090	4048	4076	
	Normalized	100%	98.97%	99.66%
	Standard Deviation	0.5%	0.6%	0.7%
Geekbench - CPU Multi Core (Score)	3594	3600	3581	
	Normalized	99.83%	100%	99.47%
	Standard Deviation	0.5%	0.3%	0.8%
Geekbench - CPU Single Core (Score)	1189	1188	1189	
	Normalized	100%	99.92%	100%
	Standard Deviation	0.1%	0.1%	0.3%
Sunflow Rendering System - G.I.I.S (sec)	2.594	2.621	2.630	
	Normalized	100%	98.97%	98.63%
	Standard Deviation	2.8%	2.4%	1.2%

LevelDB 1.22

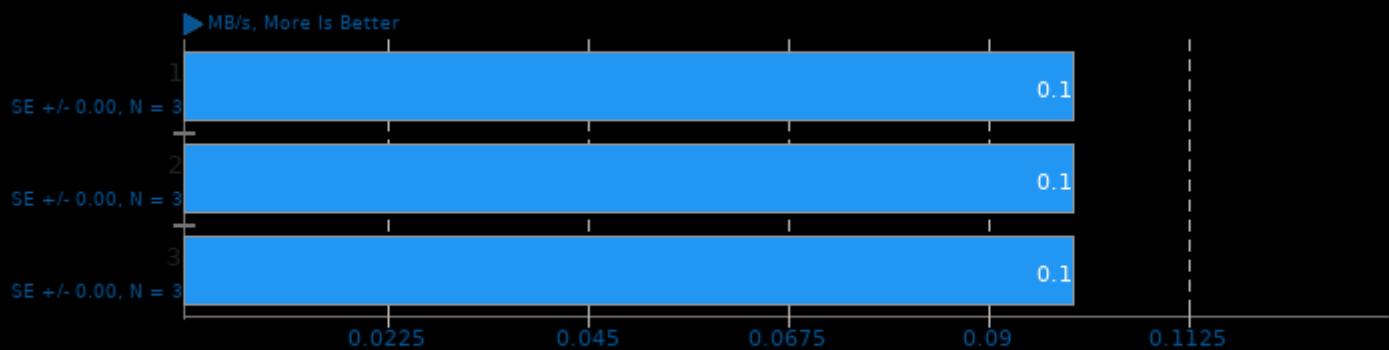
Benchmark: Hot Read



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

LevelDB 1.22

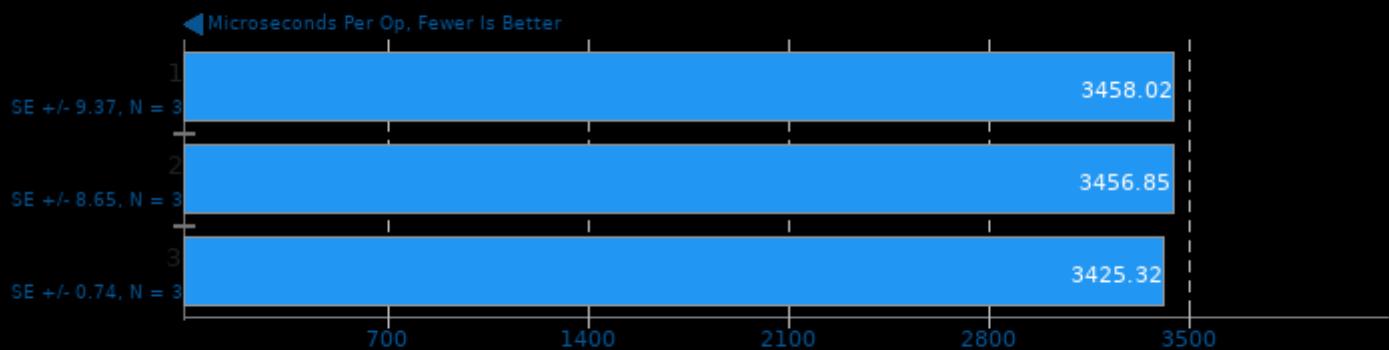
Benchmark: Fill Sync



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

LevelDB 1.22

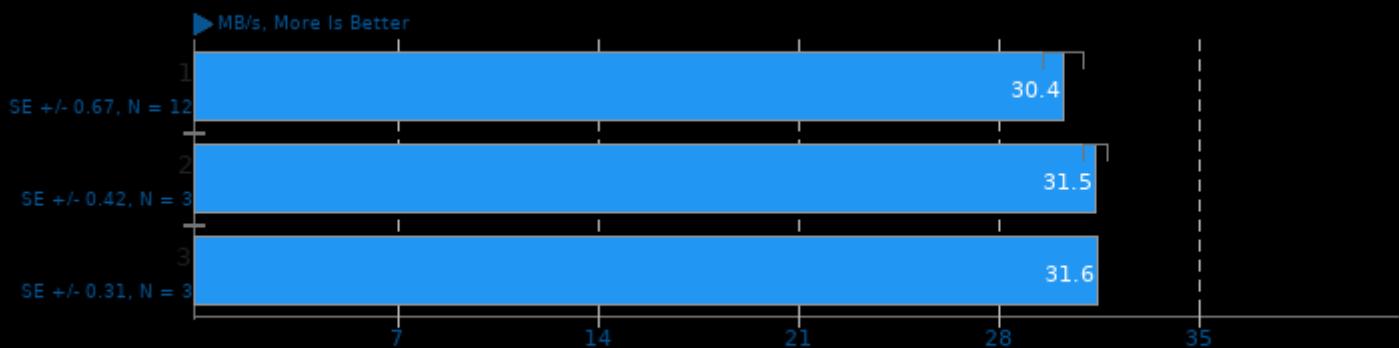
Benchmark: Fill Sync



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

LevelDB 1.22

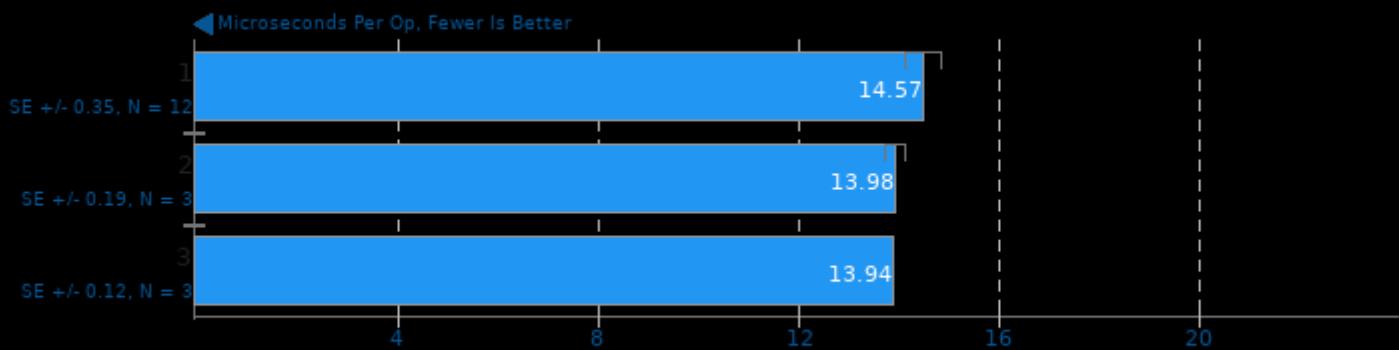
Benchmark: Overwrite



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

LevelDB 1.22

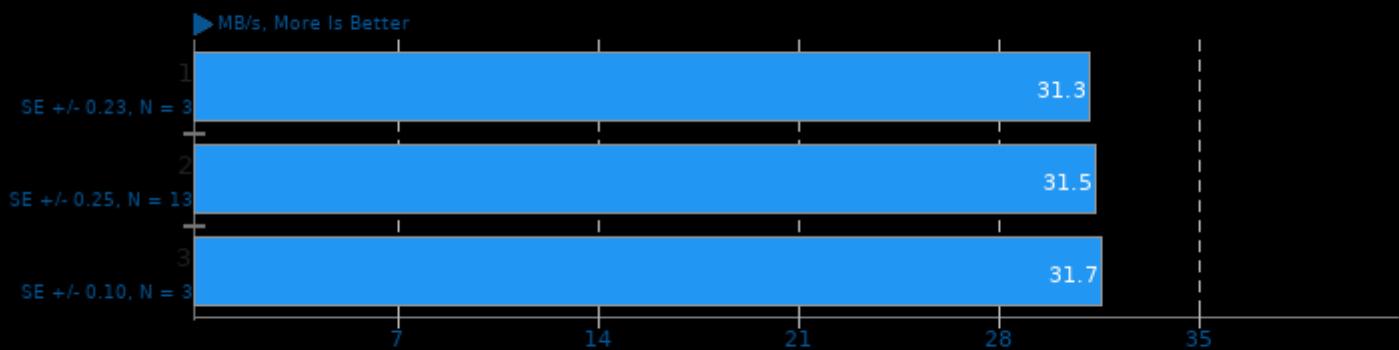
Benchmark: Overwrite



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

LevelDB 1.22

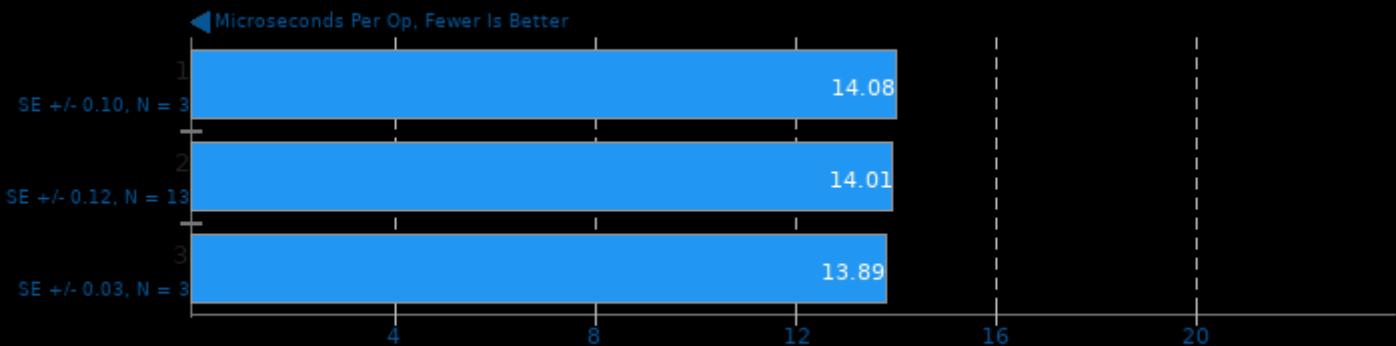
Benchmark: Random Fill



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

LevelDB 1.22

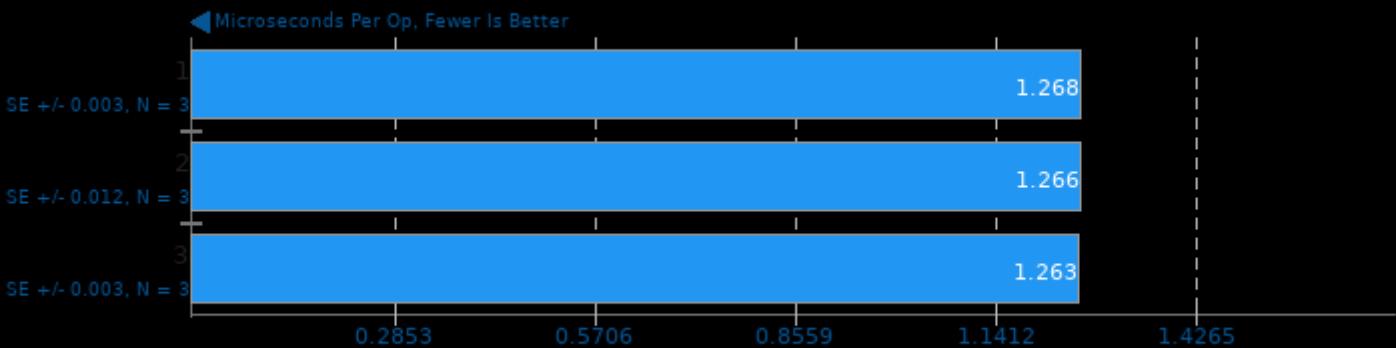
Benchmark: Random Fill



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

LevelDB 1.22

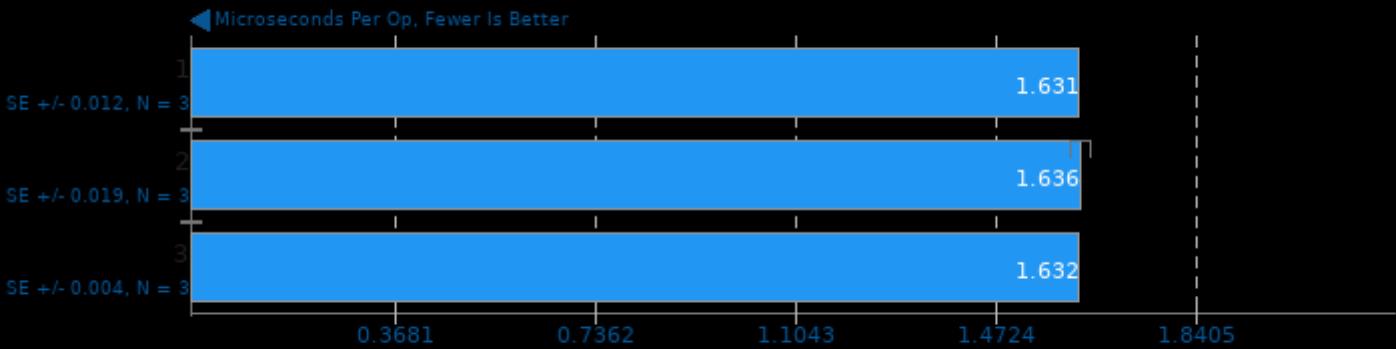
Benchmark: Random Read



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

LevelDB 1.22

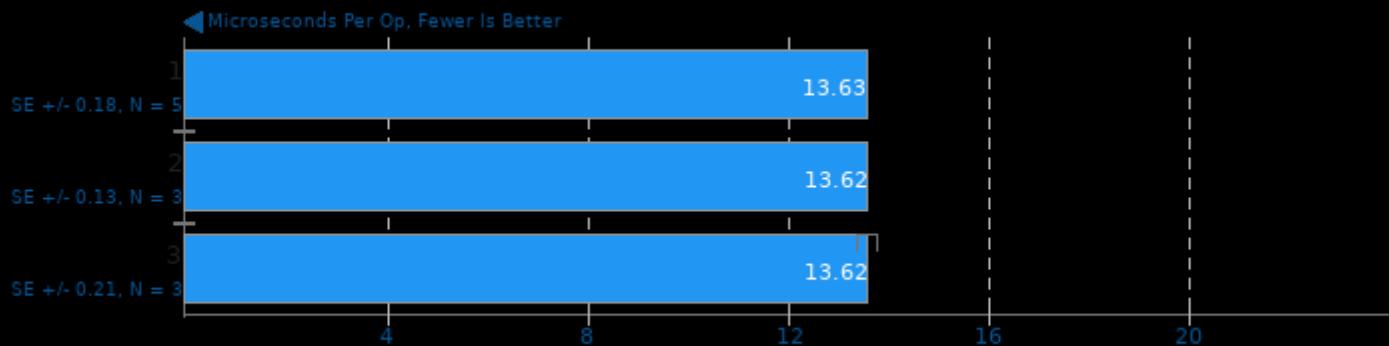
Benchmark: Seek Random



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

LevelDB 1.22

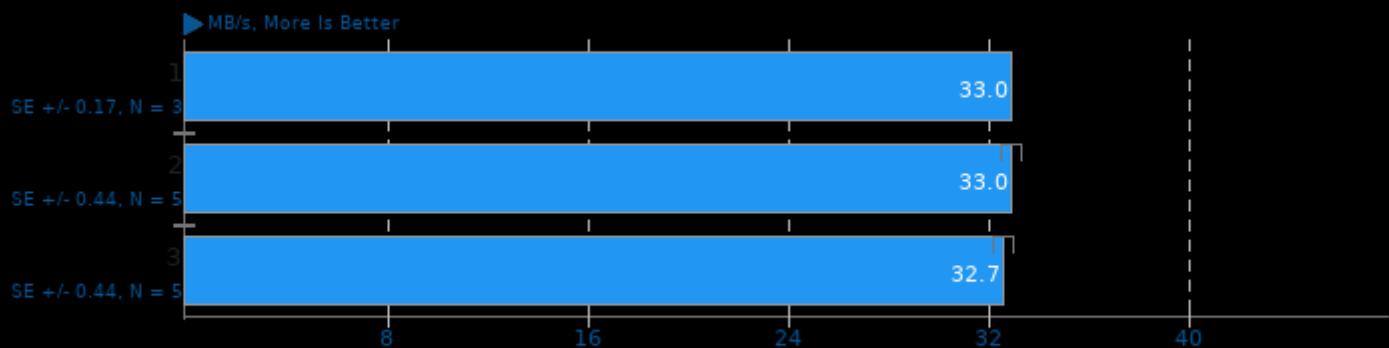
Benchmark: Random Delete



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

LevelDB 1.22

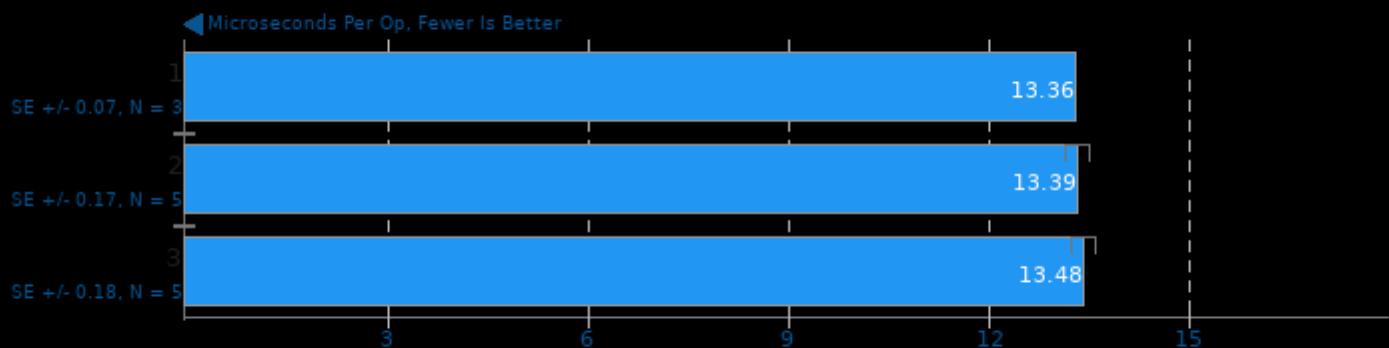
Benchmark: Sequential Fill



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

LevelDB 1.22

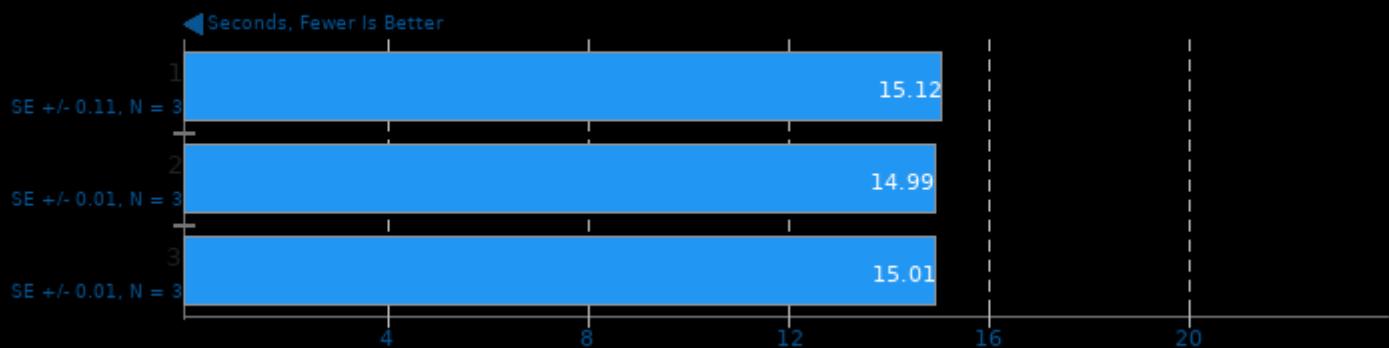
Benchmark: Sequential Fill



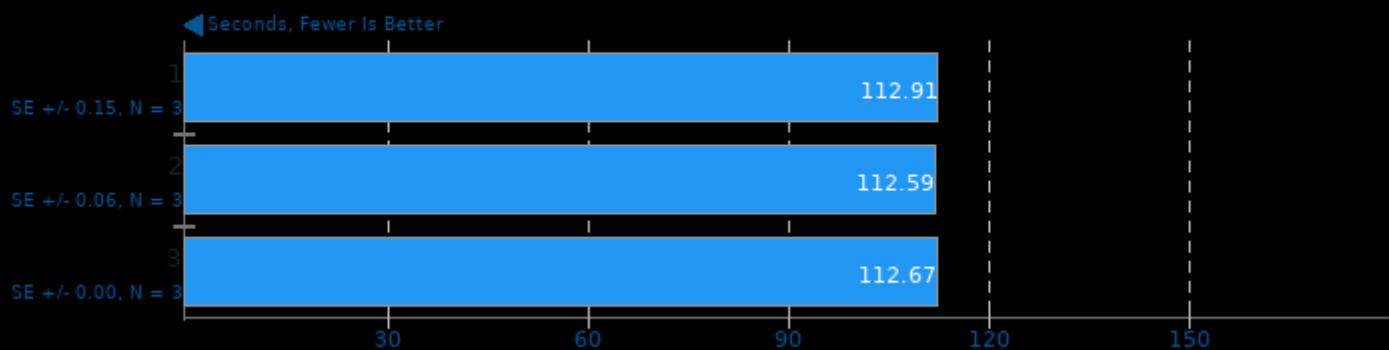
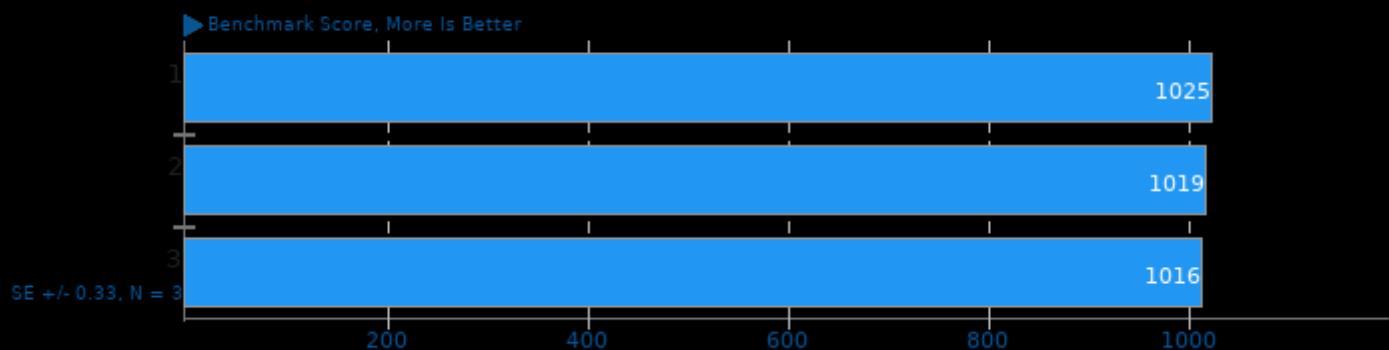
1. (CXX) g++ options: -O3 -lsnappy -lpthread

Waifu2x-NCNN Vulkan 20200818

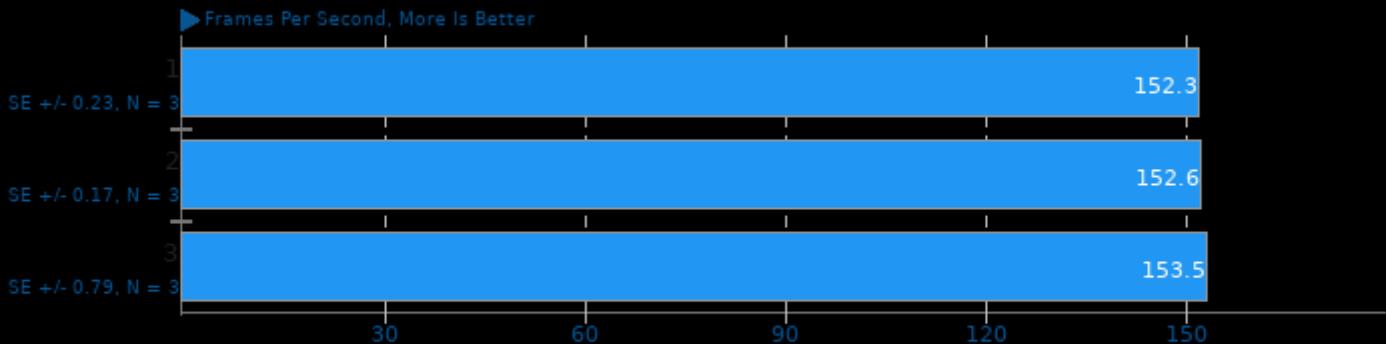
Scale: 2x - Denoise: 3 - TAA: No

**Waifu2x-NCNN Vulkan 20200818**

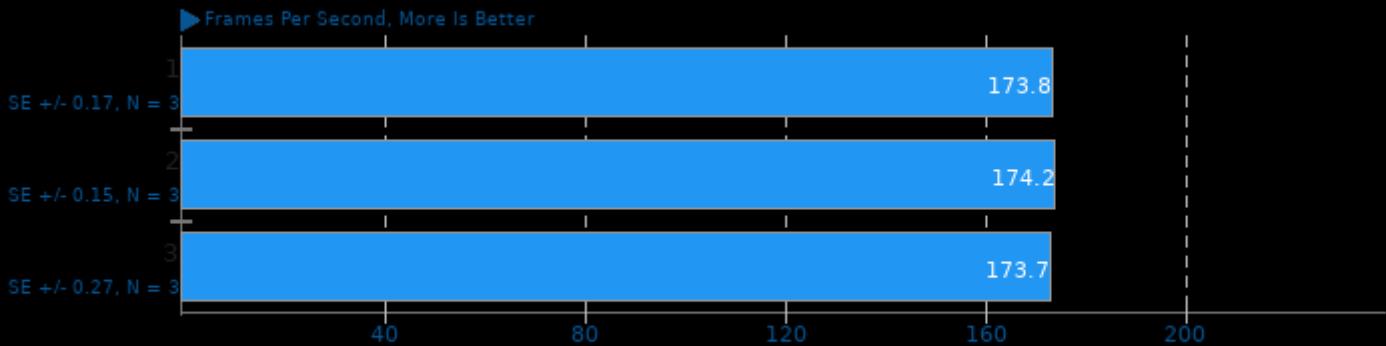
Scale: 2x - Denoise: 3 - TAA: Yes

**VkFFT 2020-09-29**

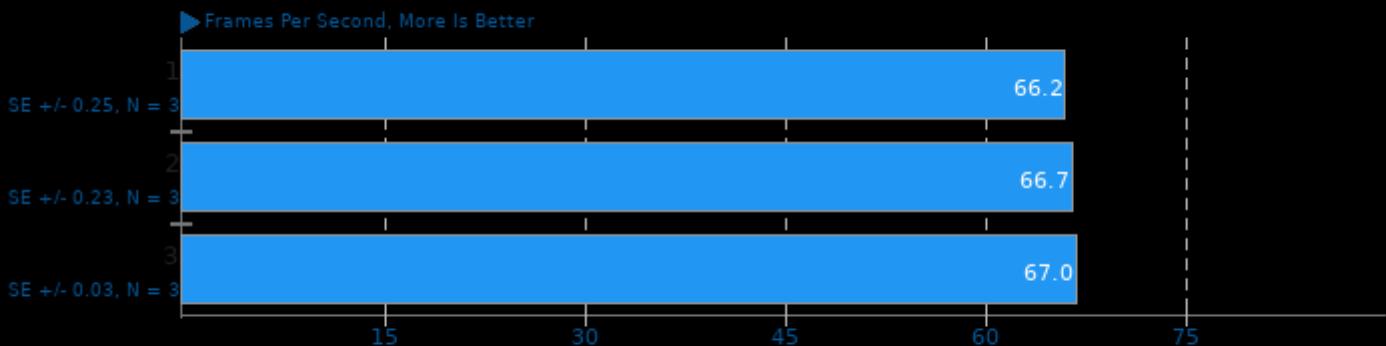
yquake2 7.45



1. (CC) gcc options: -fno-strict-aliasing -fwrapv -fvisibility=hidden -MMD -mfpu

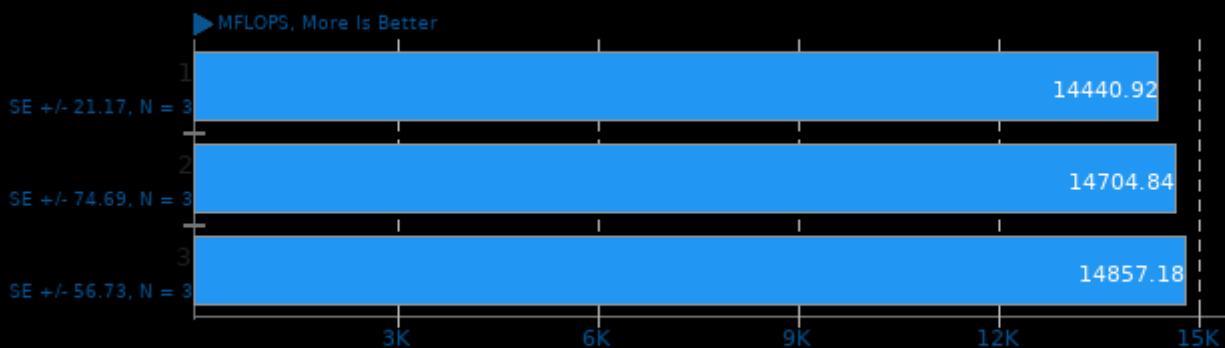


1. (CC) gcc options: -fno-strict-aliasing -fwrapv -fvisibility=hidden -MMD -mfpu



FFTE 7.0

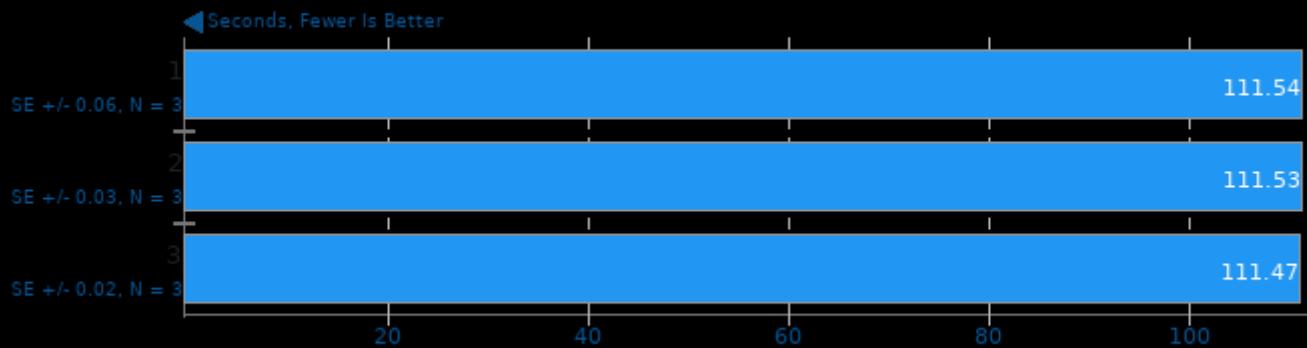
N=256, 3D Complex FFT Routine



1. (F9X) gfortran options: -O3 -fomit-frame-pointer -fopenmp

Timed HMMer Search 3.3.1

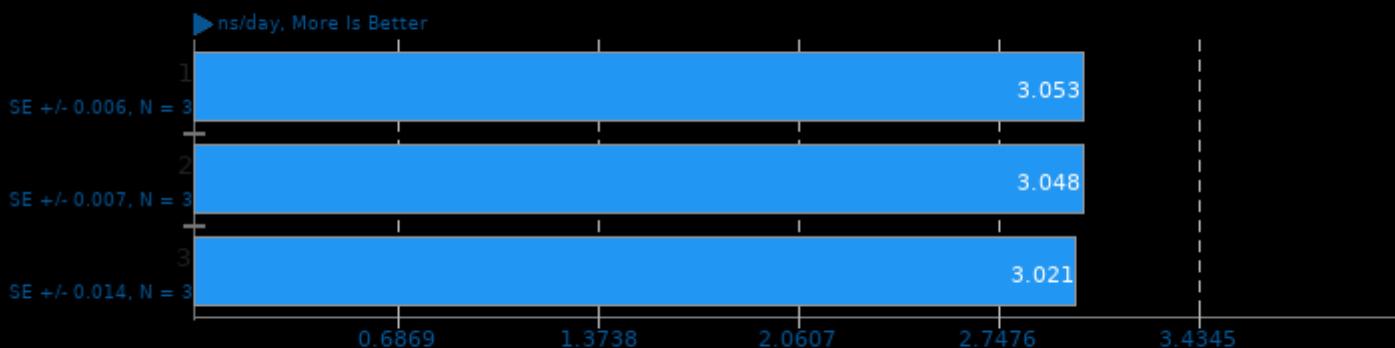
Pfam Database Search



1. (CC) gcc options: -O3 -pthread -lhmmer -leasel -lm

LAMMPS Molecular Dynamics Simulator 29Oct2020

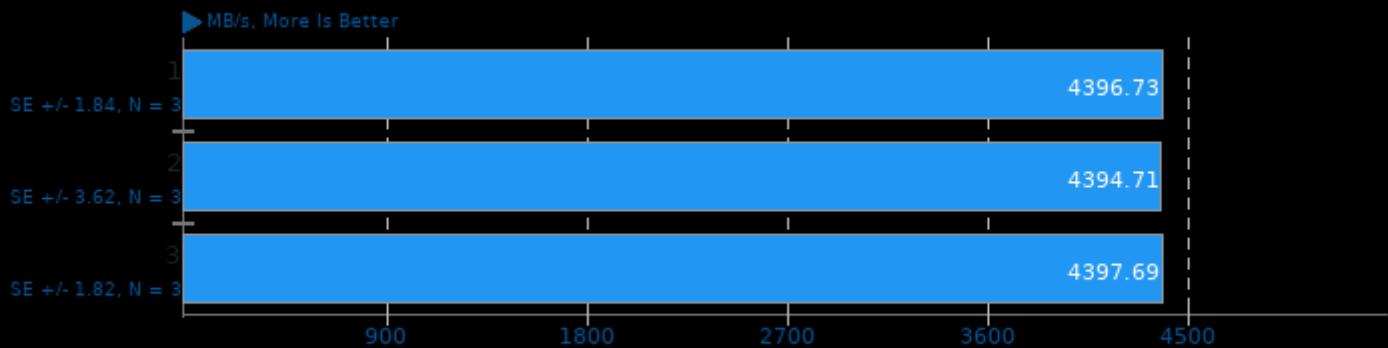
Model: Rhodopsin Protein



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

LZ4 Compression 1.9.3

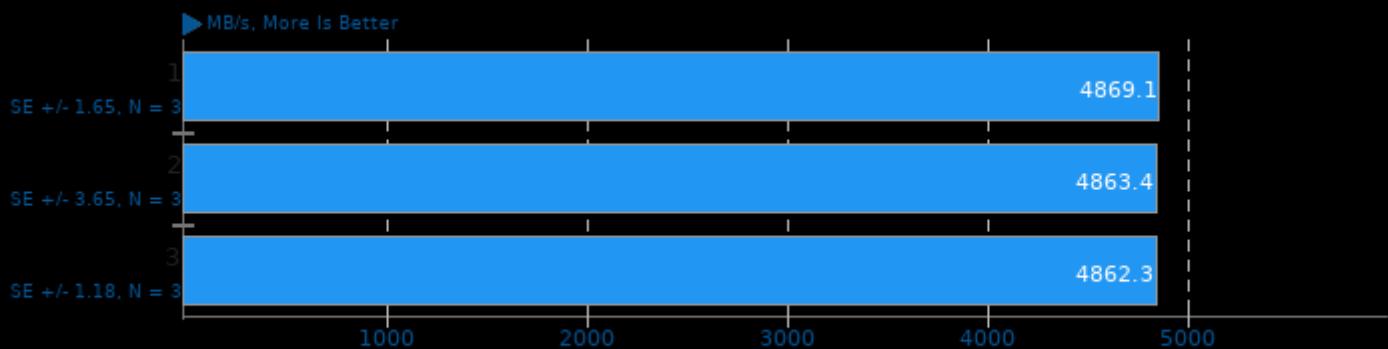
Compression Level: 1 - Compression Speed



1. (CC) gcc options: -O3

LZ4 Compression 1.9.3

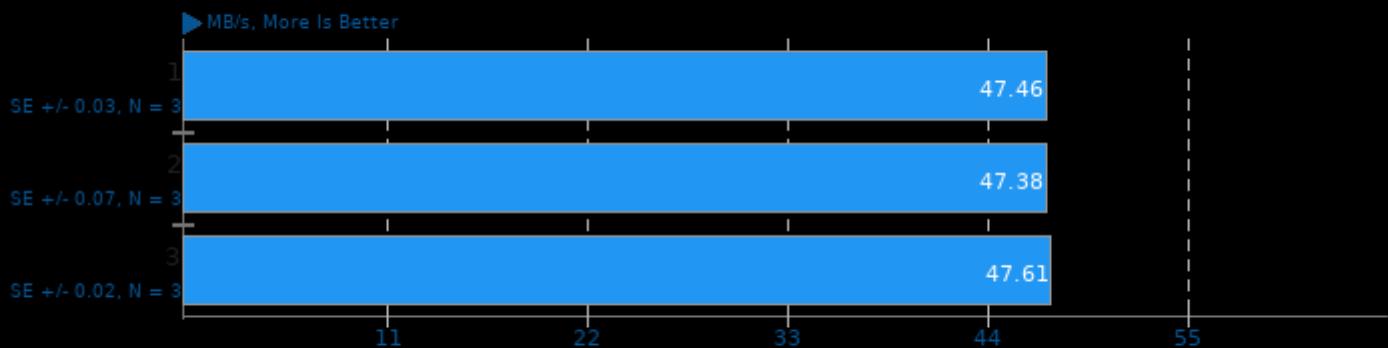
Compression Level: 1 - Decompression Speed



1. (CC) gcc options: -O3

LZ4 Compression 1.9.3

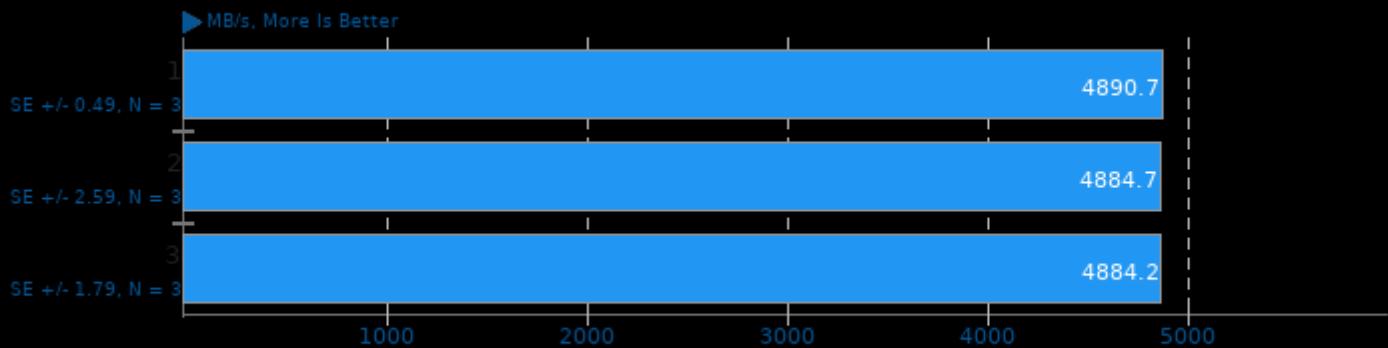
Compression Level: 3 - Compression Speed



1. (CC) gcc options: -O3

LZ4 Compression 1.9.3

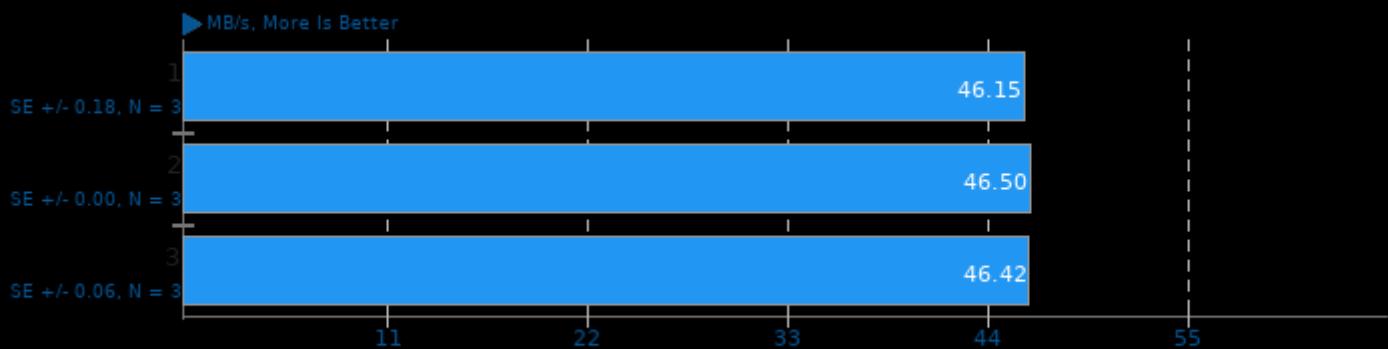
Compression Level: 3 - Decompression Speed



1. (CC) gcc options: -O3

LZ4 Compression 1.9.3

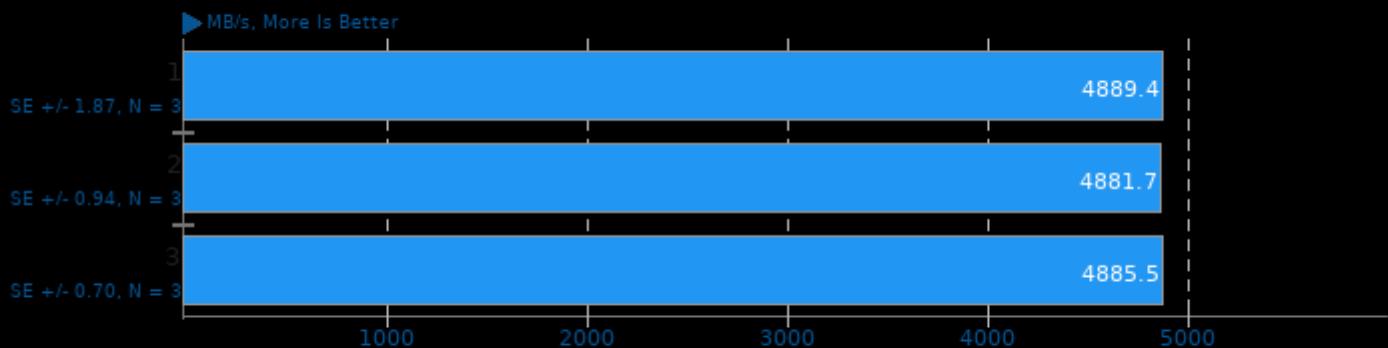
Compression Level: 9 - Compression Speed



1. (CC) gcc options: -O3

LZ4 Compression 1.9.3

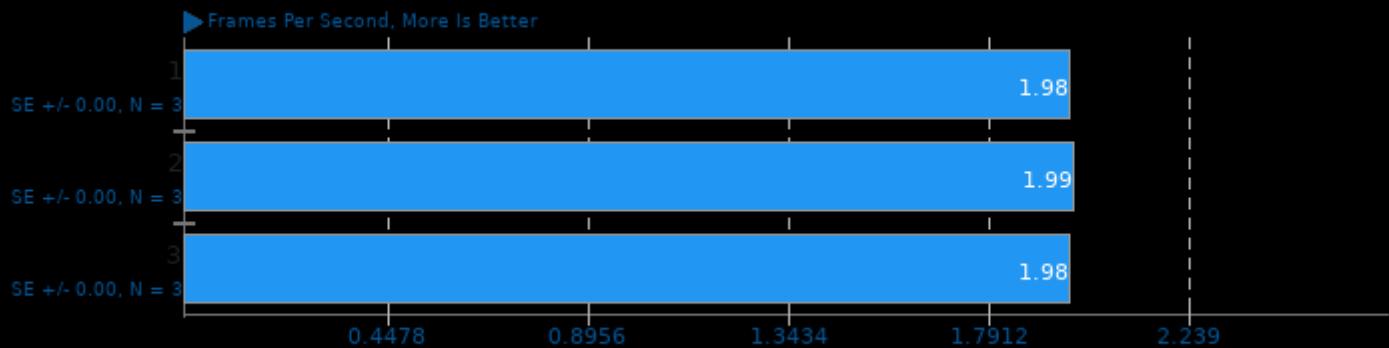
Compression Level: 9 - Decompression Speed



1. (CC) gcc options: -O3

Kvazaar 2.0

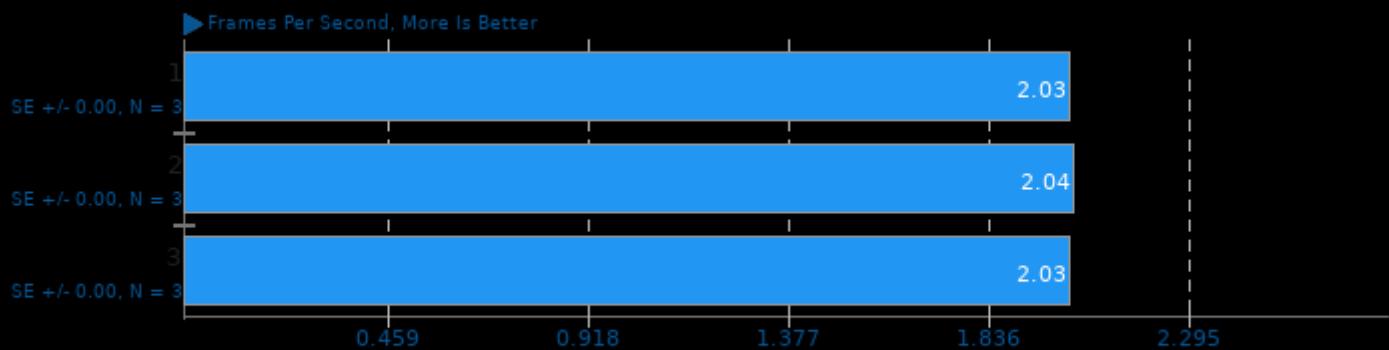
Video Input: Bosphorus 4K - Video Preset: Slow



1. (CC) gcc options: -pthread -fthread-vectorize -visibility=hidden -O2 -lpthread -lm -lrt

Kvazaar 2.0

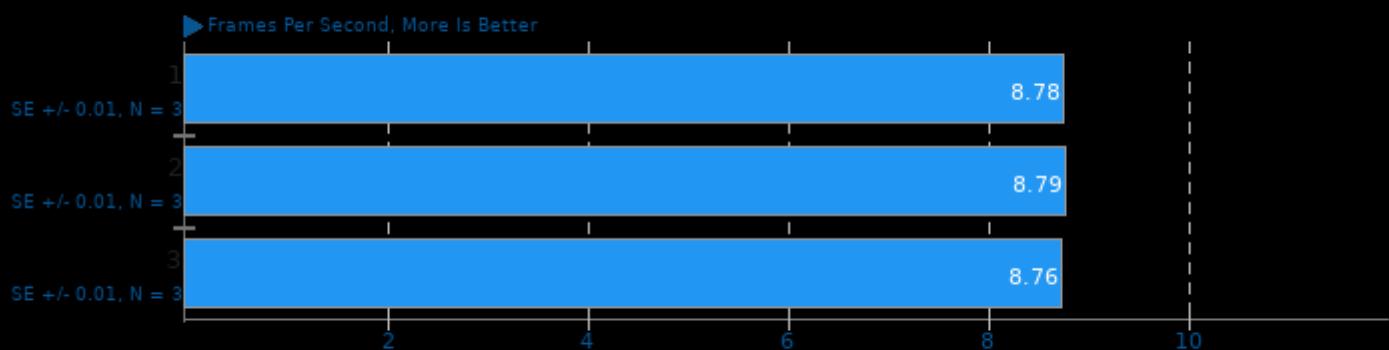
Video Input: Bosphorus 4K - Video Preset: Medium



1. (CC) gcc options: -pthread -fthread-vectorize -visibility=hidden -O2 -lpthread -lm -lrt

Kvazaar 2.0

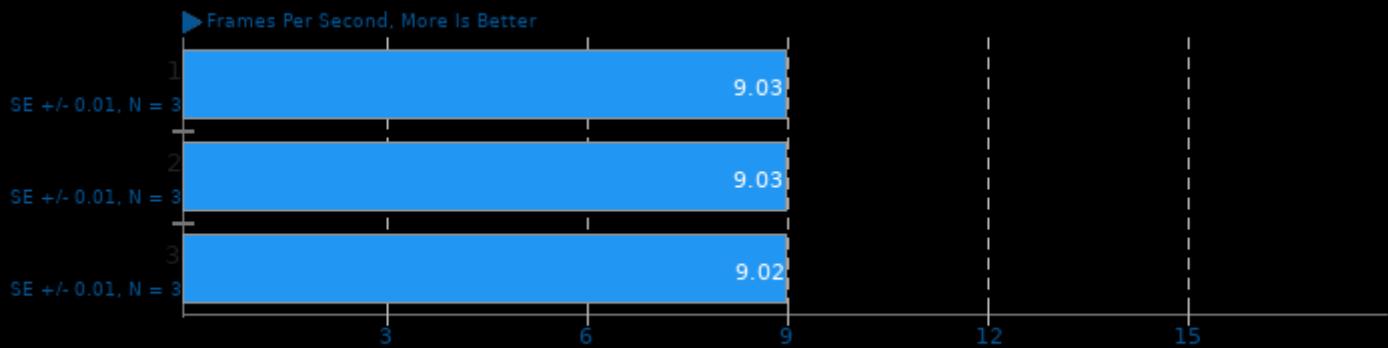
Video Input: Bosphorus 1080p - Video Preset: Slow



1. (CC) gcc options: -pthread -fthread-vectorize -visibility=hidden -O2 -lpthread -lm -lrt

Kvazaar 2.0

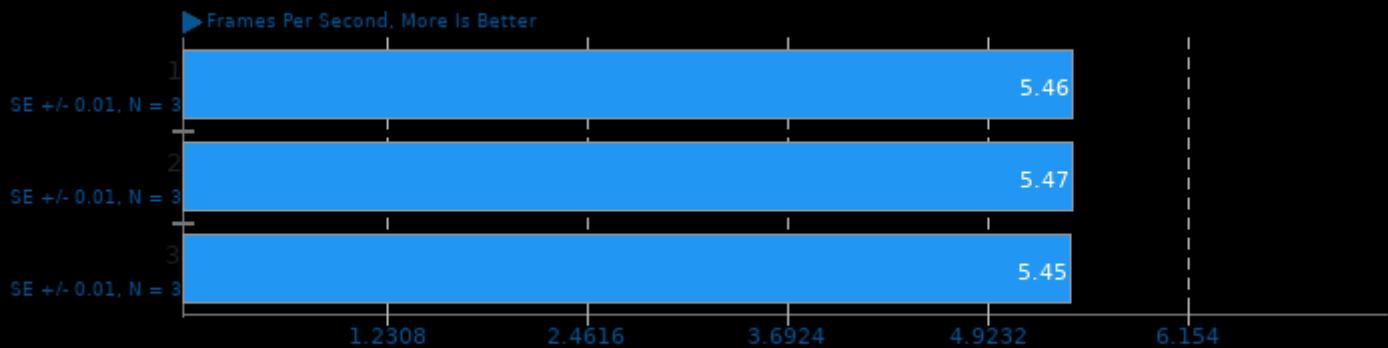
Video Input: Bosphorus 1080p - Video Preset: Medium



1. (CC) gcc options: -pthread -fthread-vectorize -visibility=hidden -O2 -lpthread -lm -lrt

Kvazaar 2.0

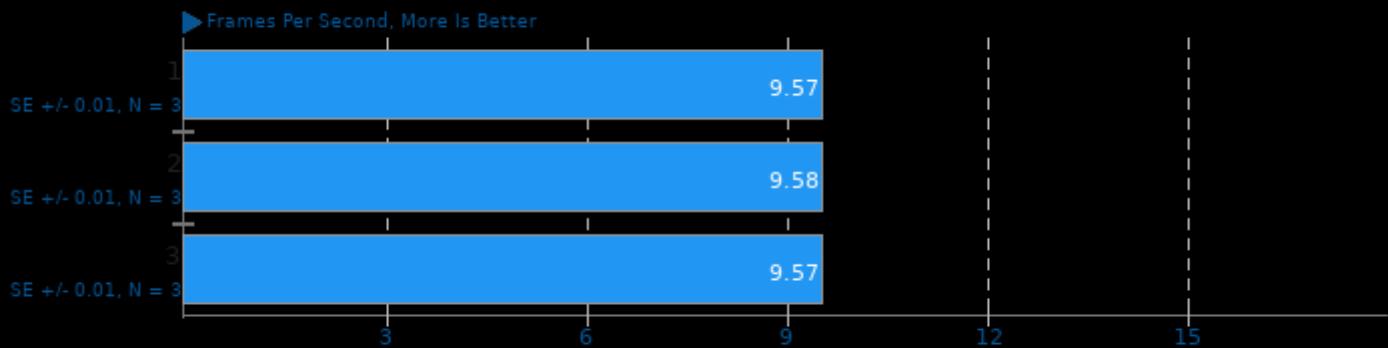
Video Input: Bosphorus 4K - Video Preset: Very Fast



1. (CC) gcc options: -pthread -fthread-vectorize -visibility=hidden -O2 -lpthread -lm -lrt

Kvazaar 2.0

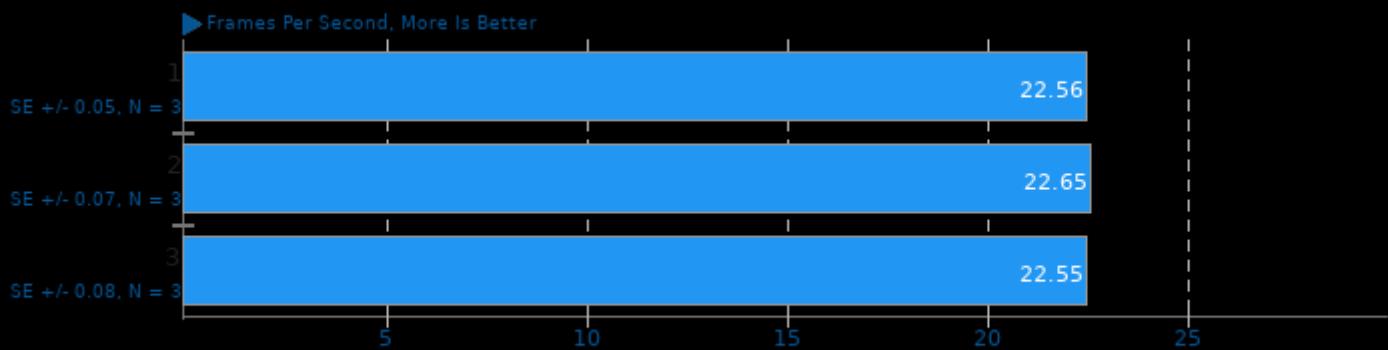
Video Input: Bosphorus 4K - Video Preset: Ultra Fast



1. (CC) gcc options: -pthread -fthread-vectorize -visibility=hidden -O2 -lpthread -lm -lrt

Kvazaar 2.0

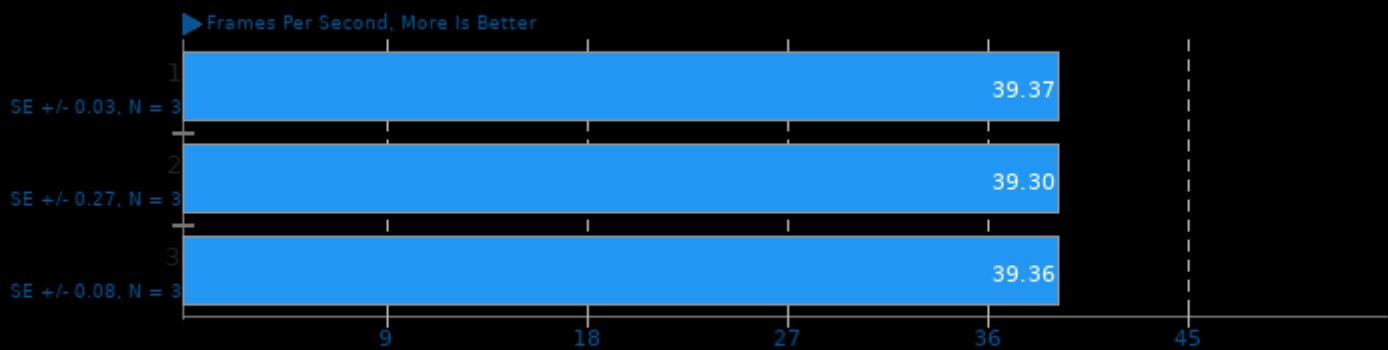
Video Input: Bosphorus 1080p - Video Preset: Very Fast



1. (CC) gcc options: -pthread -fno-tree-vectorize -fvisibility=hidden -O2 -lpthread -lm -lrt

Kvazaar 2.0

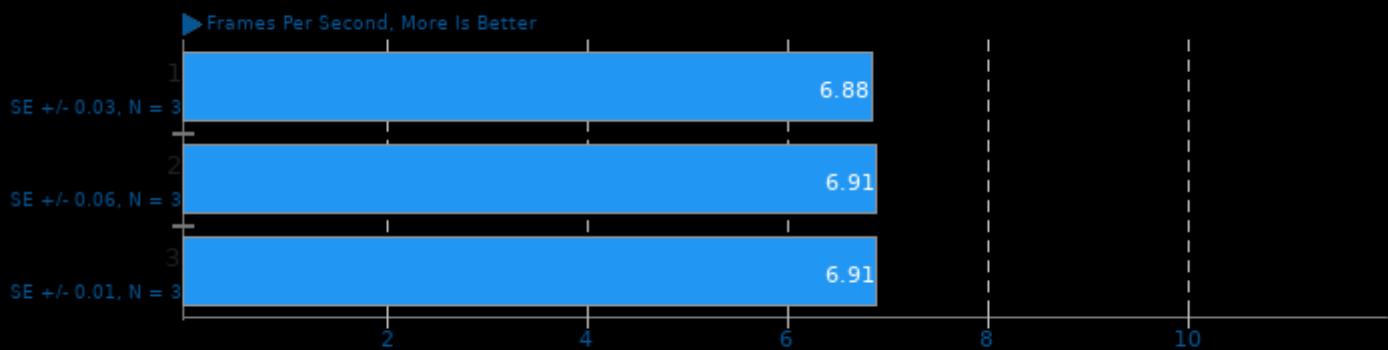
Video Input: Bosphorus 1080p - Video Preset: Ultra Fast



1. (CC) gcc options: -pthread -fno-tree-vectorize -fvisibility=hidden -O2 -lpthread -lm -lrt

x265 3.4

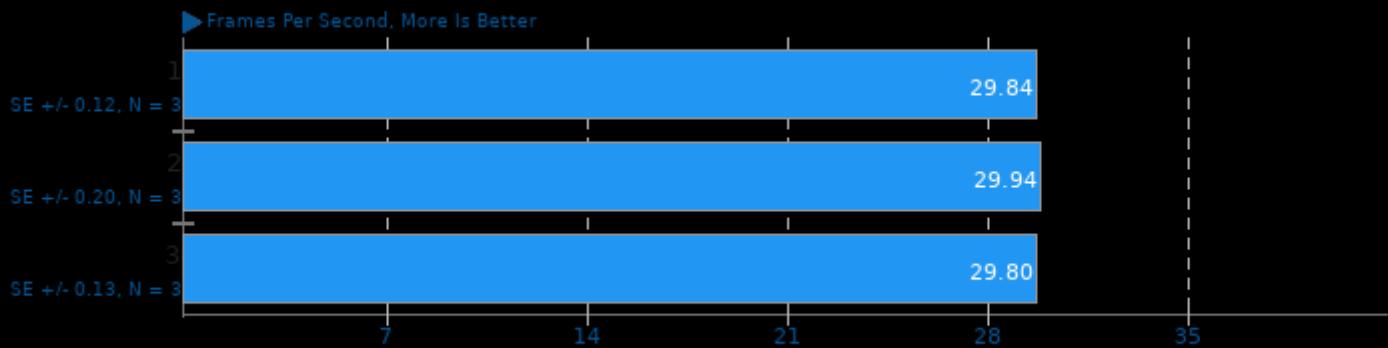
Video Input: Bosphorus 4K



1. (CXX) g++ options: -O3 -rdynamic -lpthread -lrt -ldl -lnuma

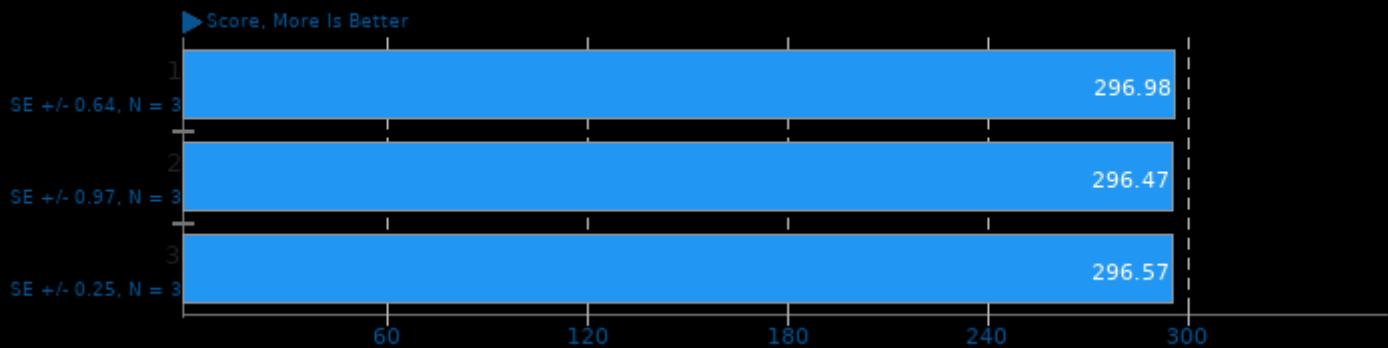
x265 3.4

Video Input: Bosphorus 1080p



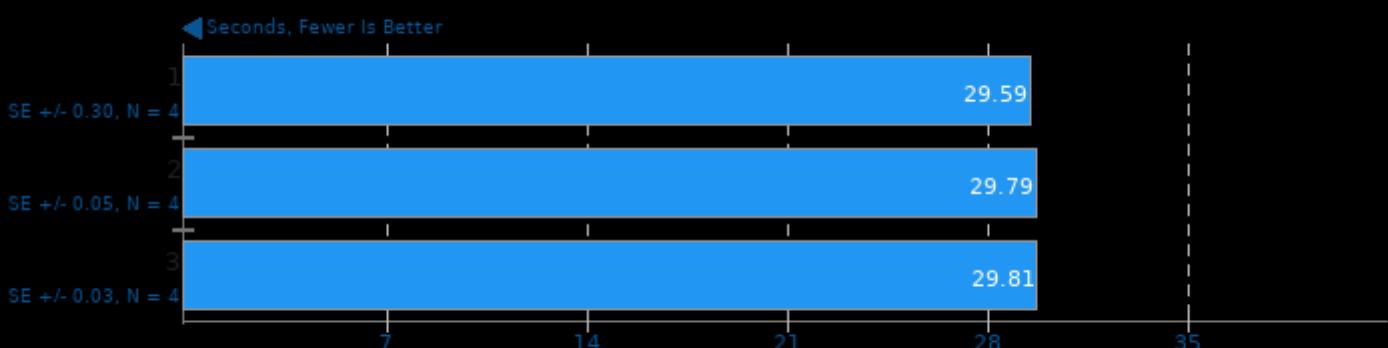
1. (CXX) g++ options: -O3 -rdynamic -lpthread -lrt -ldl -lnuma

Numpy Benchmark



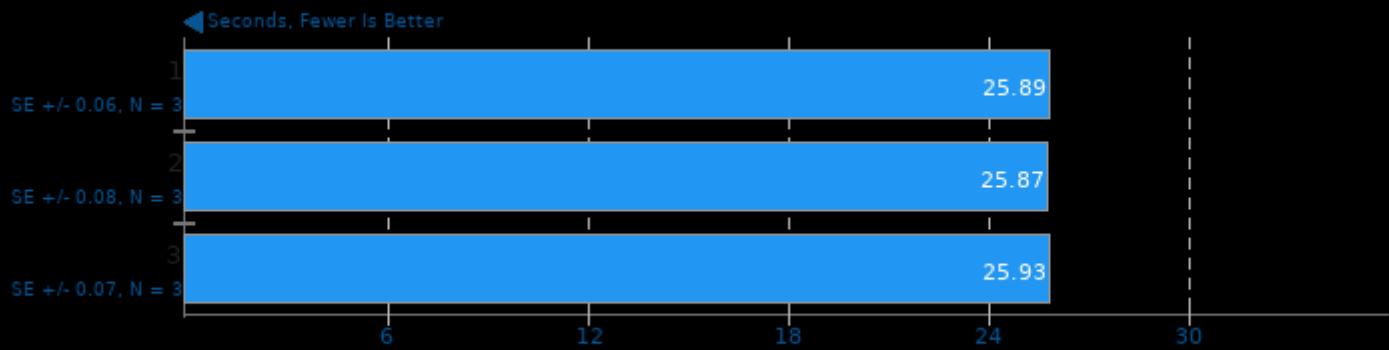
eSpeak-NG Speech Engine 20200907

Text-To-Speech Synthesis



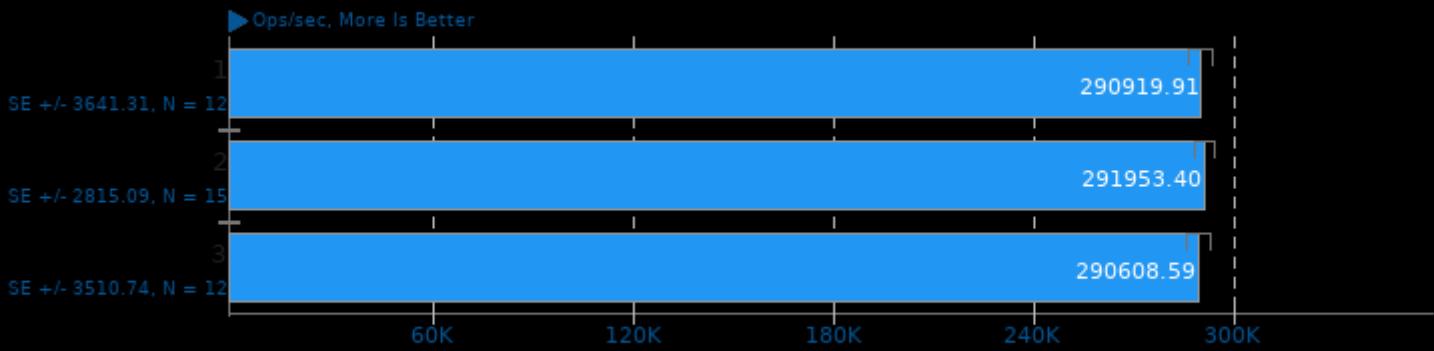
1. (CC) gcc options: -O2 -std=c99

RNNoise 2020-06-28



1. (CC) gcc options: -O2 -pedantic -fvisibility=hidden

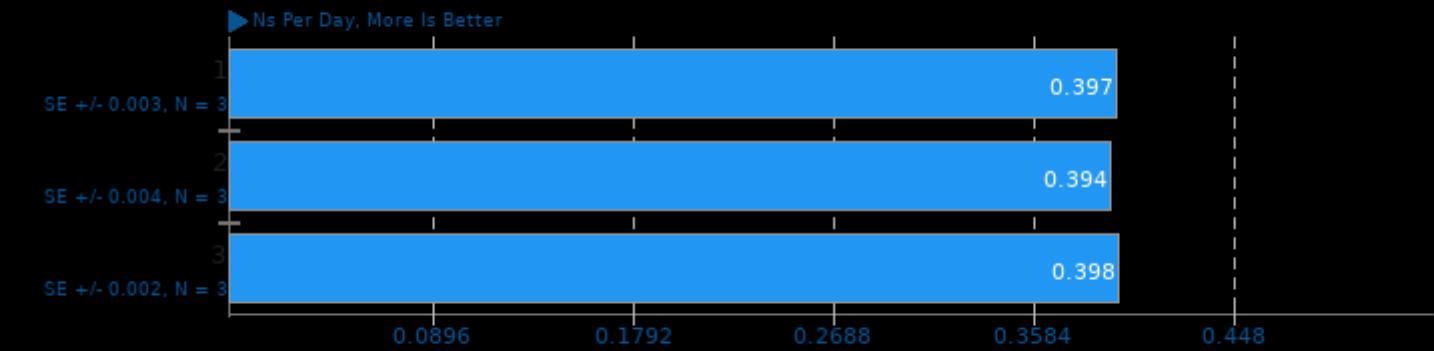
KeyDB 6.0.16



1. (CXX) g++ options: -O2 -levent_openssl -levent -lcrypto -lssl -lpthread -lz -lpcre

GROMACS 2020.3

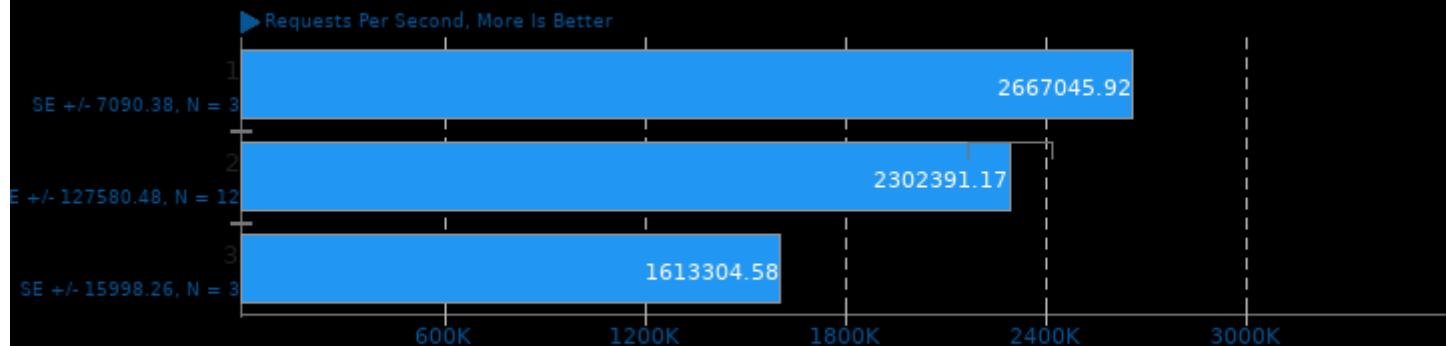
Water Benchmark



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

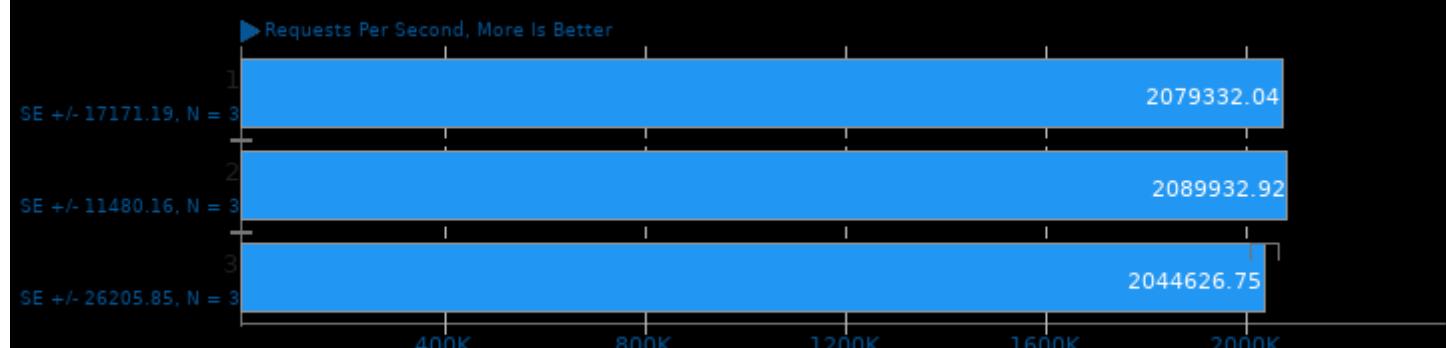
Redis 6.0.9

Test: LPOP



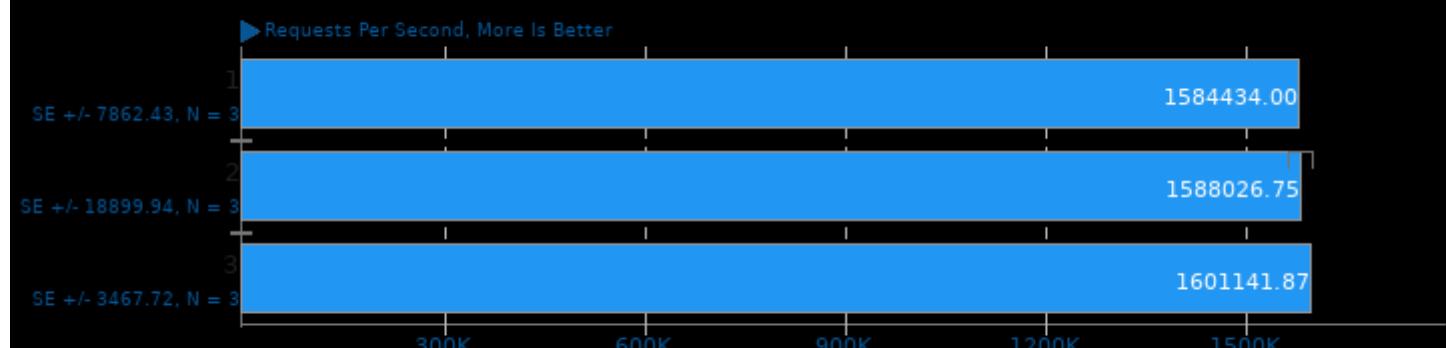
Redis 6.0.9

Test: SADD



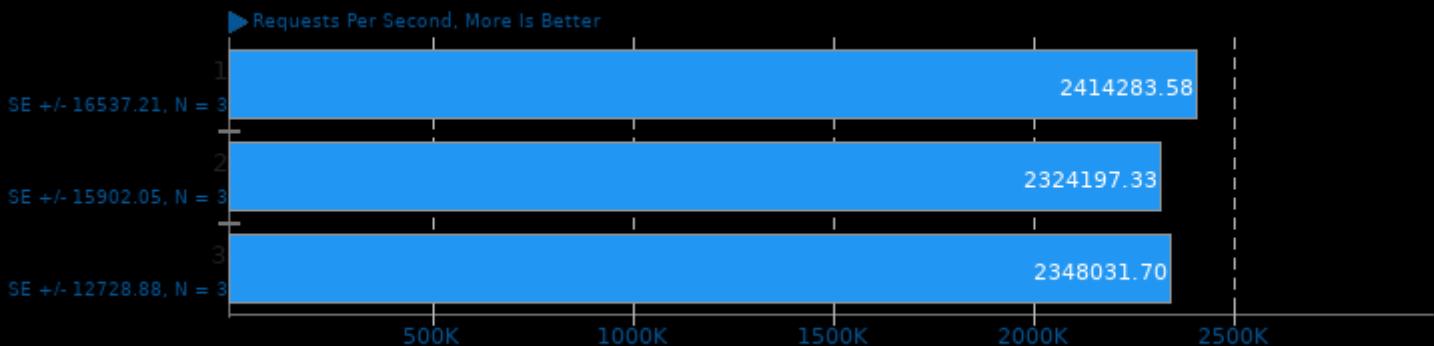
Redis 6.0.9

Test: LPUSH



Redis 6.0.9

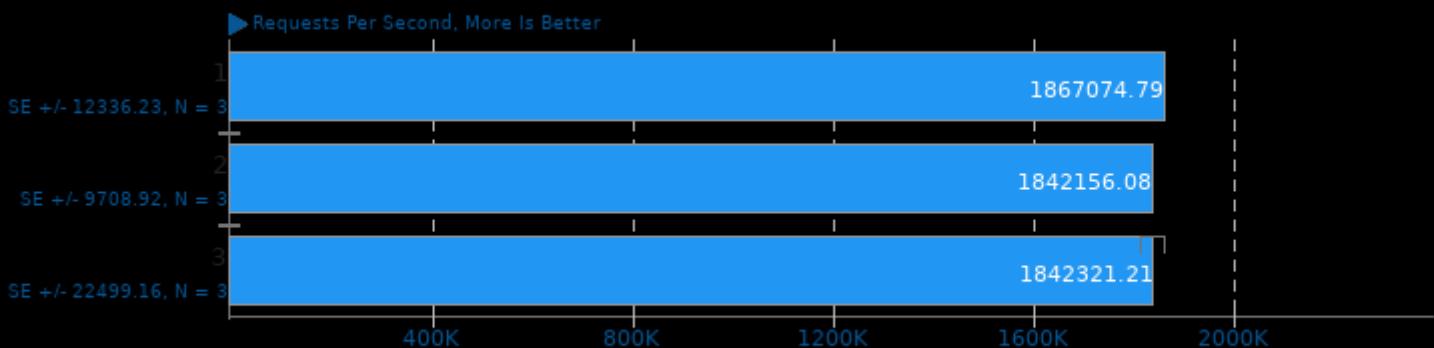
Test: GET



1. (CXX) g++ options: -MM -MT -g3 -fvisibility=hidden -O3

Redis 6.0.9

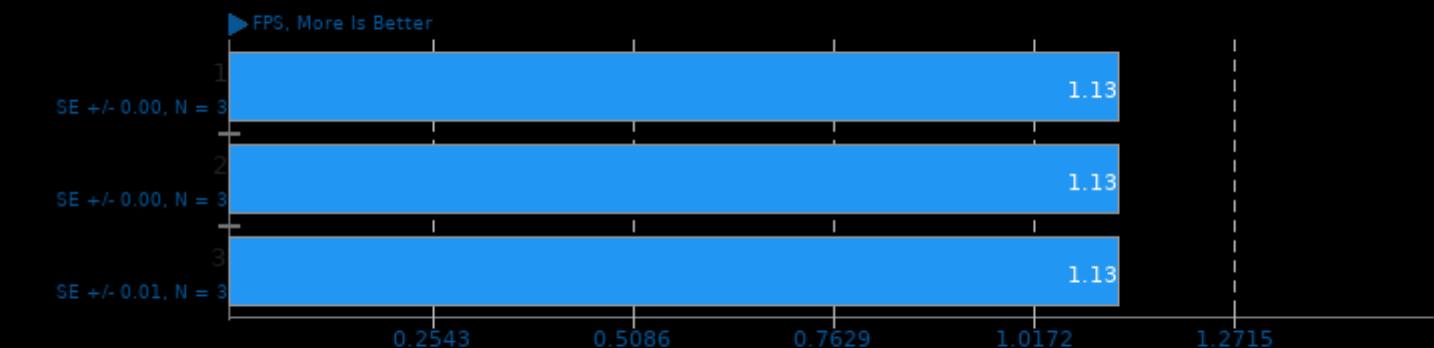
Test: SET



1. (CXX) g++ options: -MM -MT -g3 -fvisibility=hidden -O3

OpenVINO 2021.1

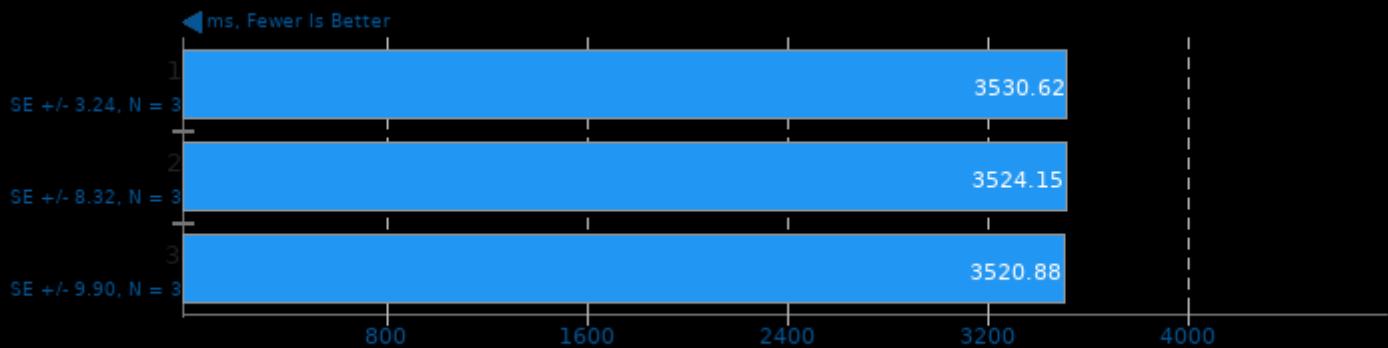
Model: Face Detection 0106 FP16 - Device: CPU



1. (CXX) g++ options: -fsigned-char -ffunction-sections -fdata-sections -O3 -pie -pthread -lpthread

OpenVINO 2021.1

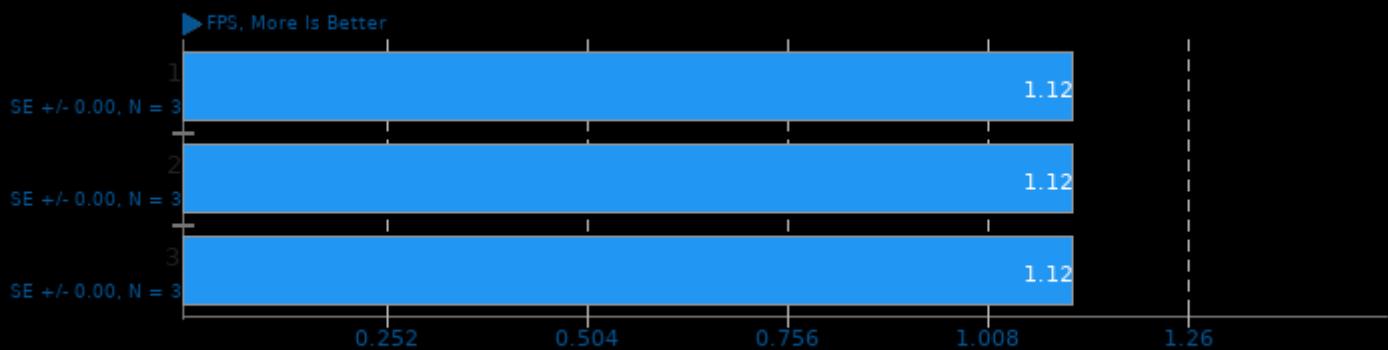
Model: Face Detection 0106 FP16 - Device: CPU



1. (CXX) g++ options: -fsigned-char -ffunction-sections -O3 -pie -pthread -lpthread

OpenVINO 2021.1

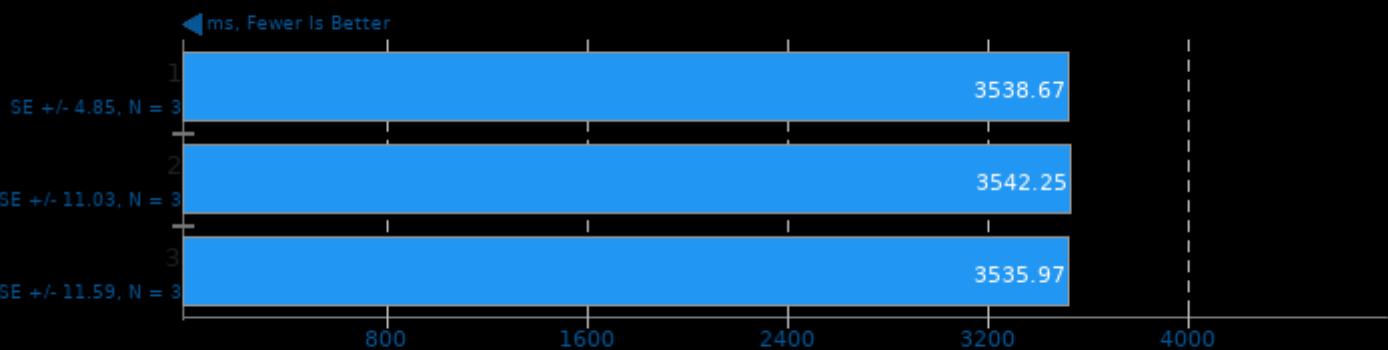
Model: Face Detection 0106 FP32 - Device: CPU



1. (CXX) g++ options: -fsigned-char -ffunction-sections -O3 -pie -pthread -lpthread

OpenVINO 2021.1

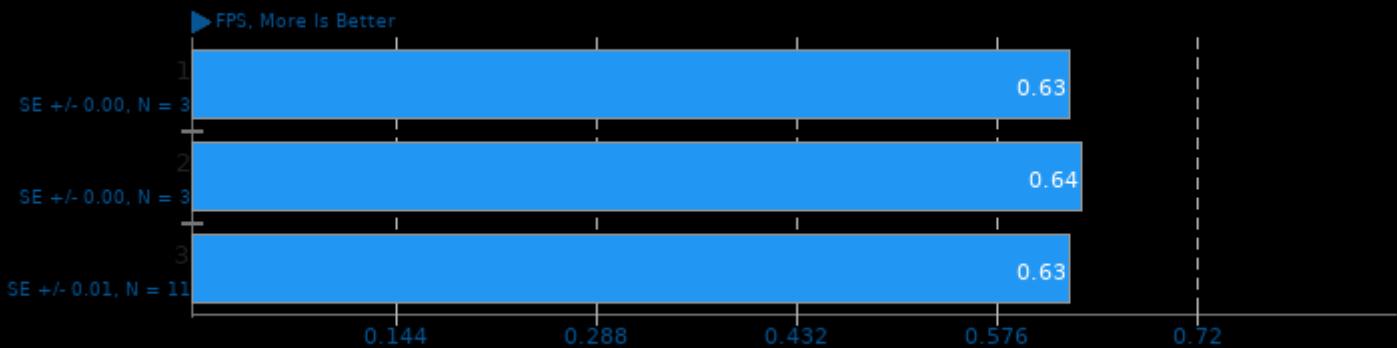
Model: Face Detection 0106 FP32 - Device: CPU



1. (CXX) g++ options: -fsigned-char -ffunction-sections -O3 -pie -pthread -lpthread

OpenVINO 2021.1

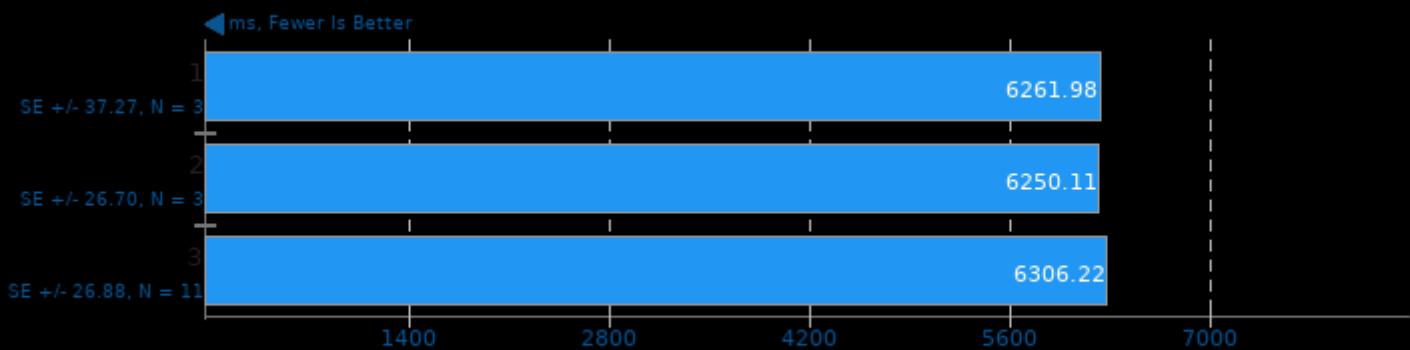
Model: Person Detection 0106 FP16 - Device: CPU



1. (CXX) g++ options: -fsigned-char -ffunction-sections -O3 -pie -pthread -lpthread

OpenVINO 2021.1

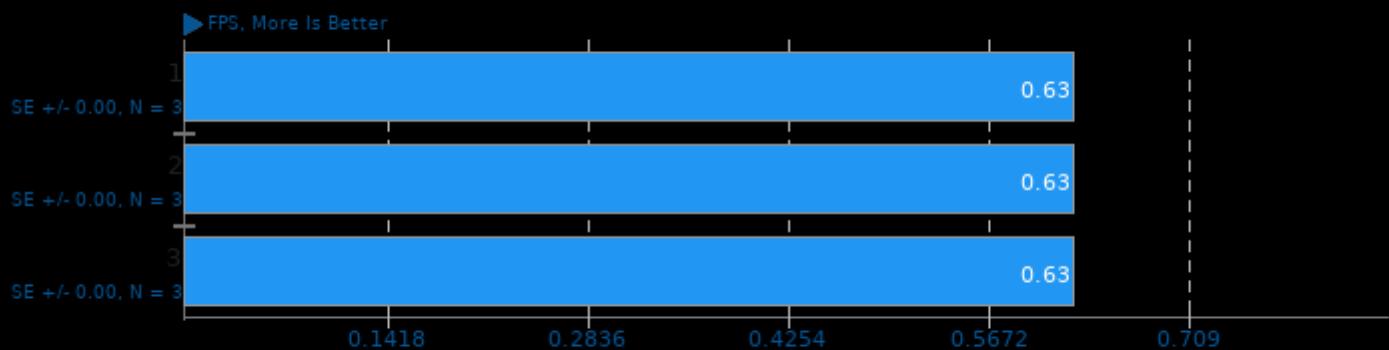
Model: Person Detection 0106 FP16 - Device: CPU



1. (CXX) g++ options: -fsigned-char -ffunction-sections -O3 -pie -pthread -lpthread

OpenVINO 2021.1

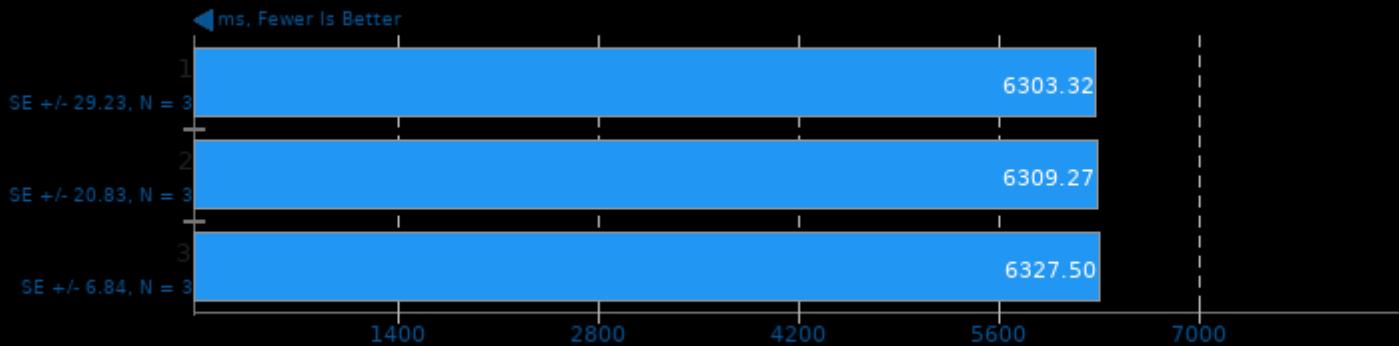
Model: Person Detection 0106 FP32 - Device: CPU



1. (CXX) g++ options: -fsigned-char -ffunction-sections -O3 -pie -pthread -lpthread

OpenVINO 2021.1

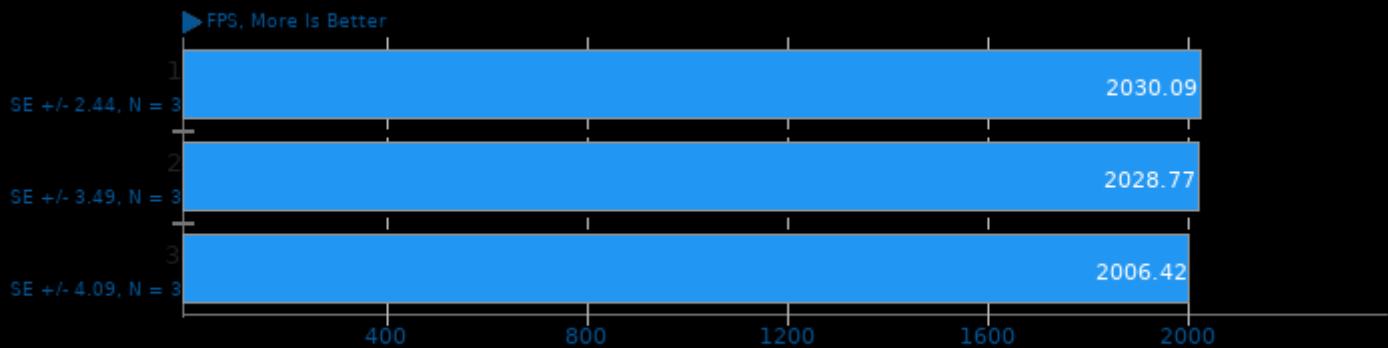
Model: Person Detection 0106 FP32 - Device: CPU



1. (CXX) g++ options: -fsigned-char -ffunction-sections -O3 -pie -pthread -lpthread

OpenVINO 2021.1

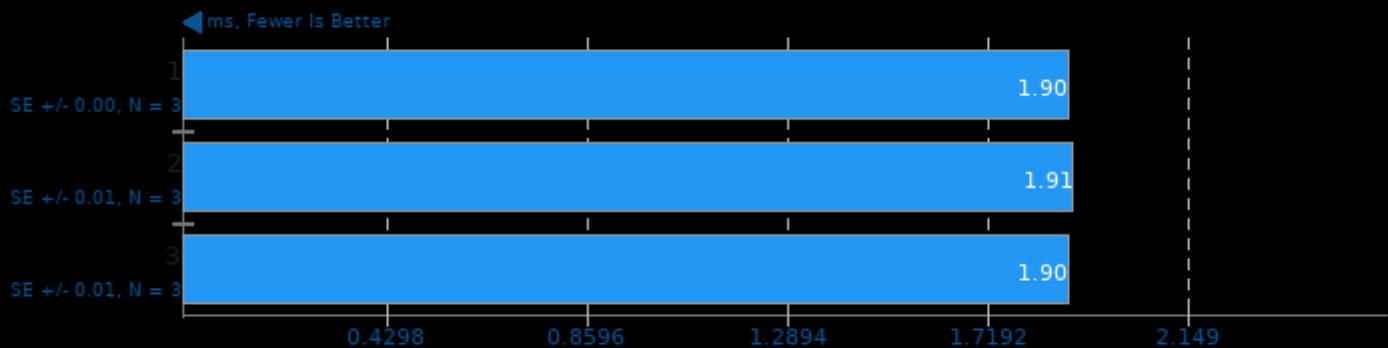
Model: Age Gender Recognition Retail 0013 FP16 - Device: CPU



1. (CXX) g++ options: -fsigned-char -ffunction-sections -O3 -pie -pthread -lpthread

OpenVINO 2021.1

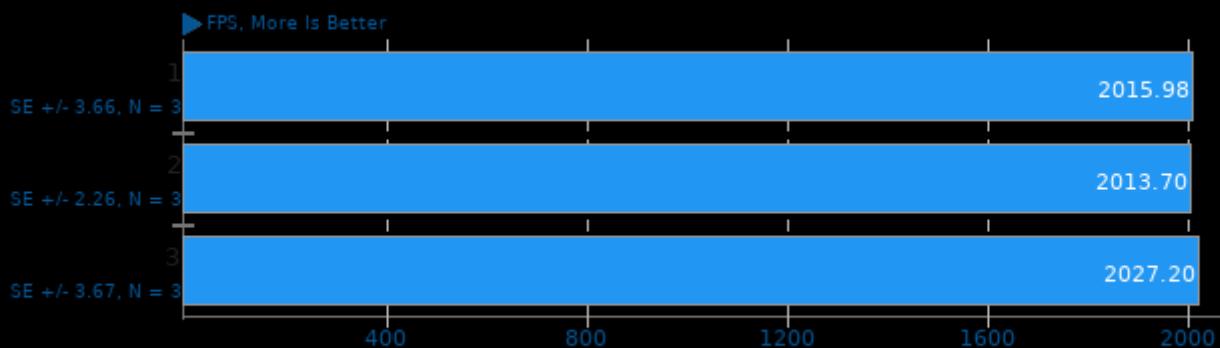
Model: Age Gender Recognition Retail 0013 FP16 - Device: CPU



1. (CXX) g++ options: -fsigned-char -ffunction-sections -O3 -pie -pthread -lpthread

OpenVINO 2021.1

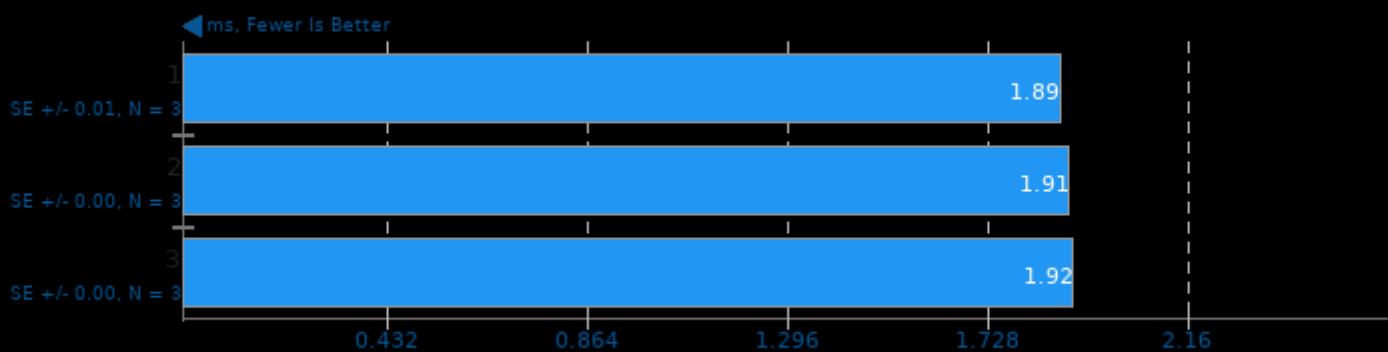
Model: Age Gender Recognition Retail 0013 FP32 - Device: CPU



1. (CXX) g++ options: -fsigned-char -ffunction-sections -fdata-sections -O3 -pie -pthread -lpthread

OpenVINO 2021.1

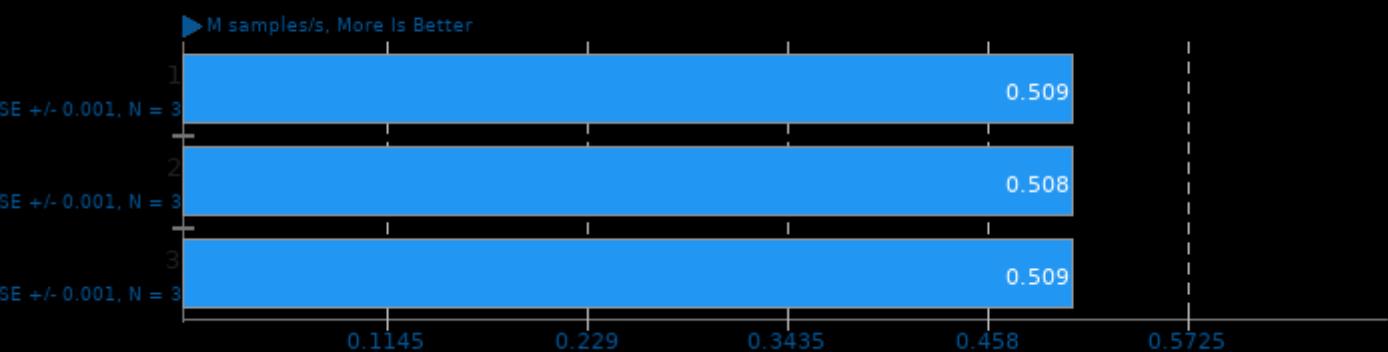
Model: Age Gender Recognition Retail 0013 FP32 - Device: CPU



1. (CXX) g++ options: -fsigned-char -ffunction-sections -fdata-sections -O3 -pie -pthread -lpthread

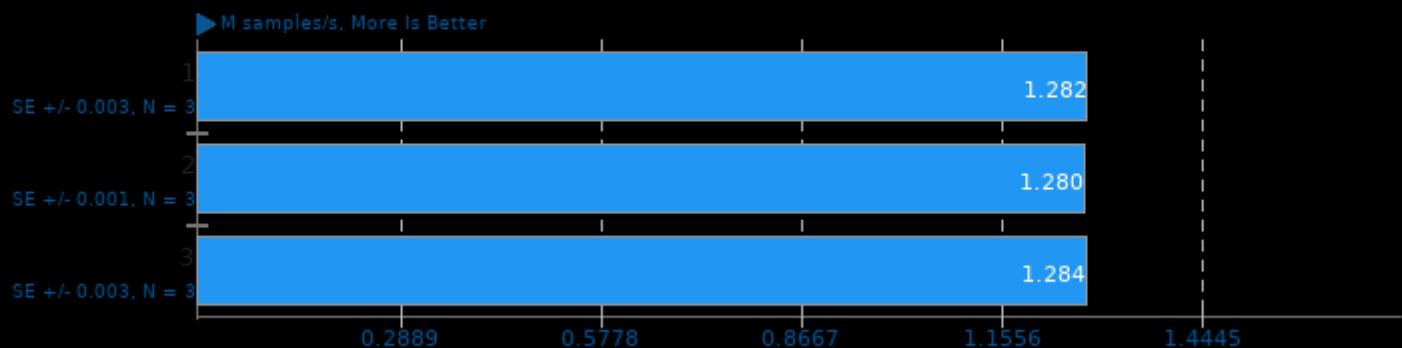
IndigoBench 4.4

Acceleration: CPU - Scene: Bedroom



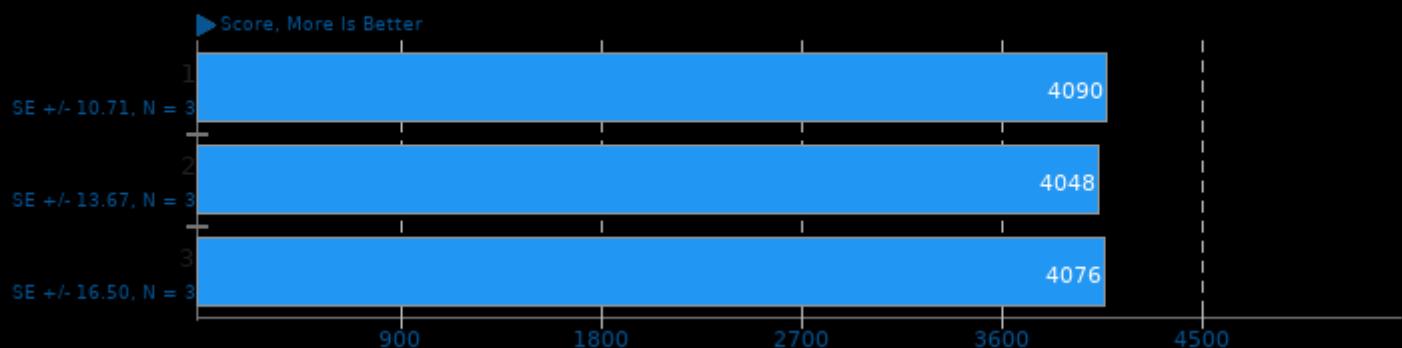
IndigoBench 4.4

Acceleration: CPU - Scene: Supercar



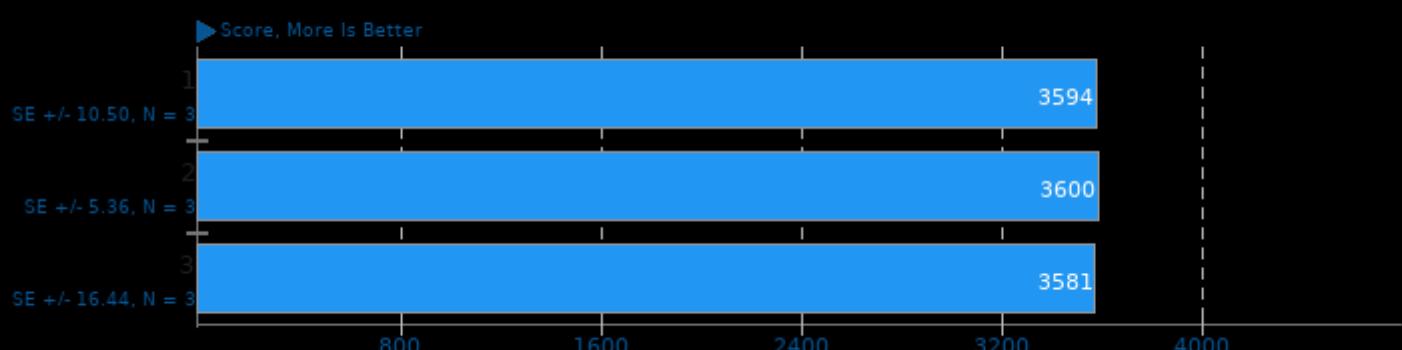
Geekbench 5

Test: GPU Vulkan



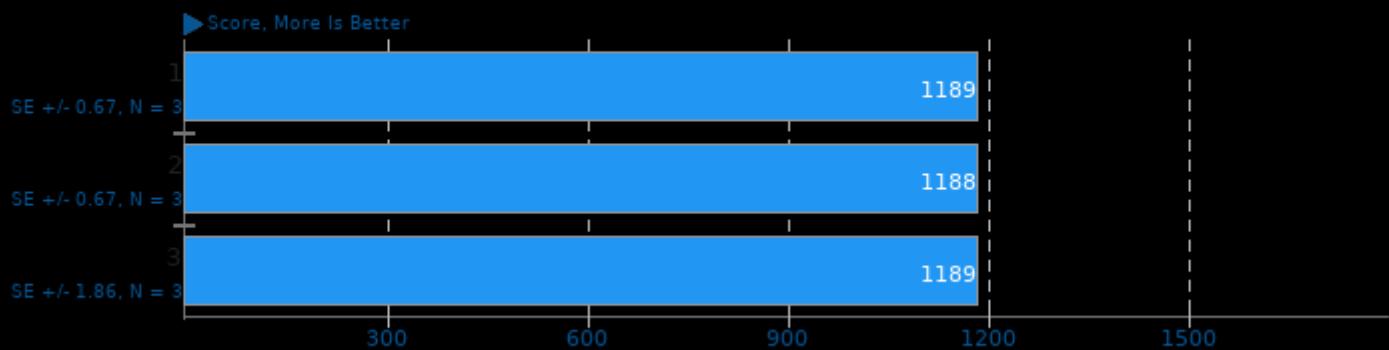
Geekbench 5

Test: CPU Multi Core



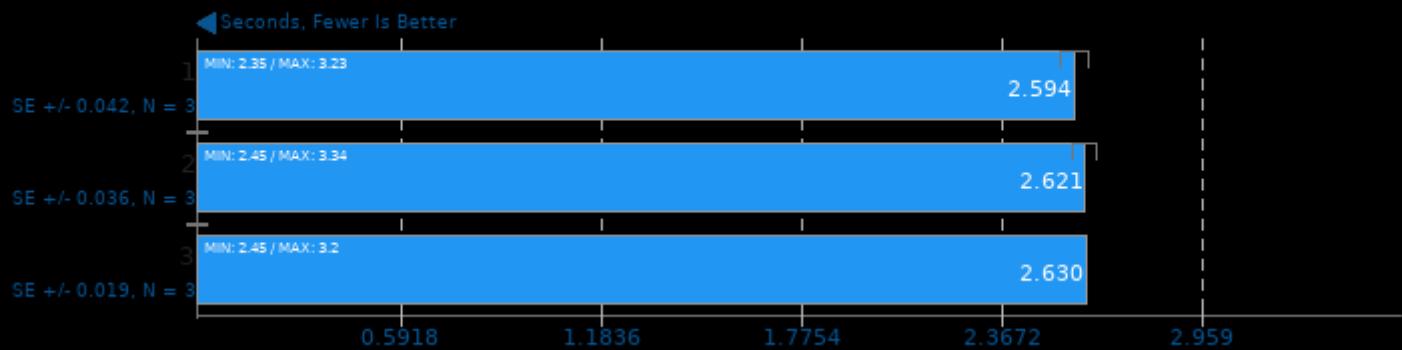
Geekbench 5

Test: CPU Single Core

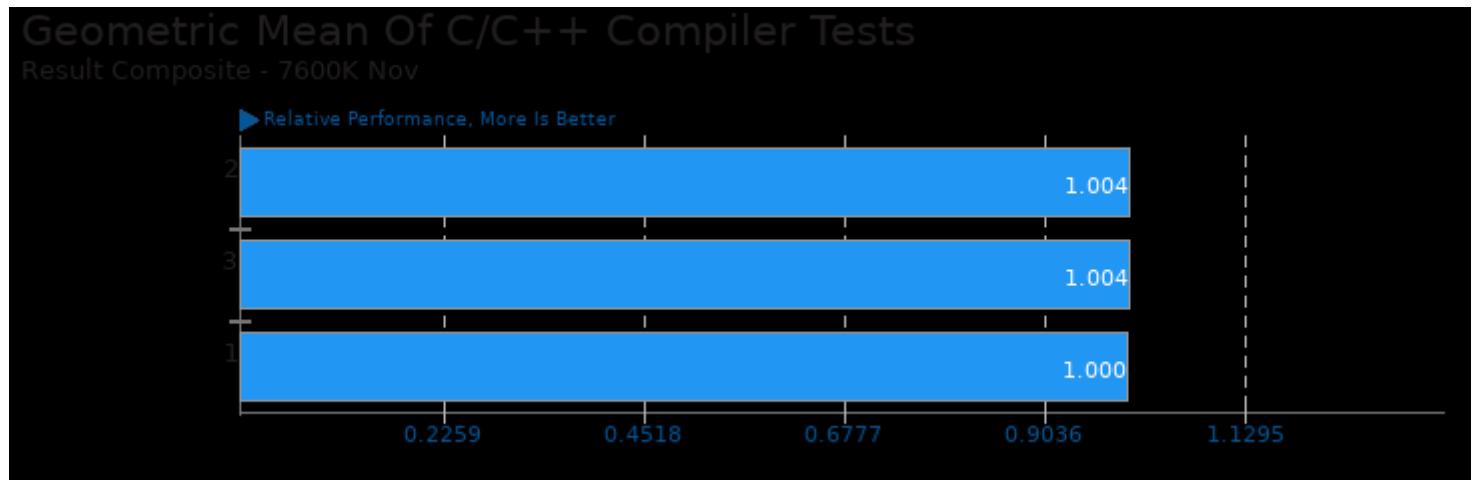


Sunflow Rendering System 0.07.2

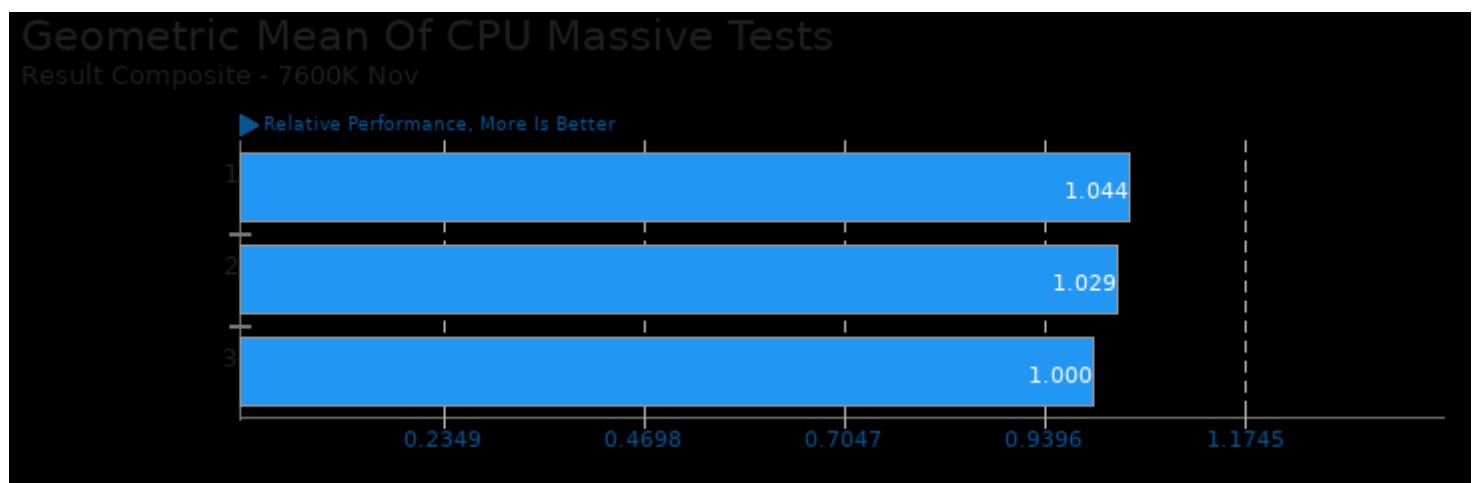
Global Illumination + Image Synthesis



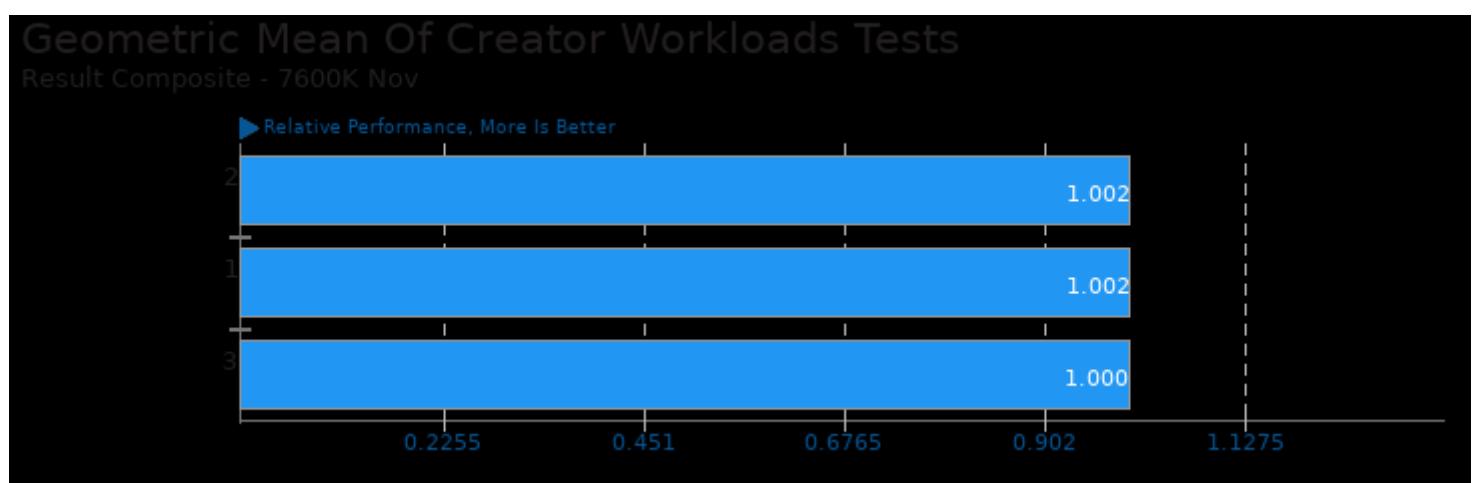
These geometric means are based upon test groupings / test suites for this result file.



Geometric mean based upon tests: pts/hmmer, pts/x265, pts/kvazaar, pts/lammps, pts/gromacs, pts/keydb and pts/leveldb



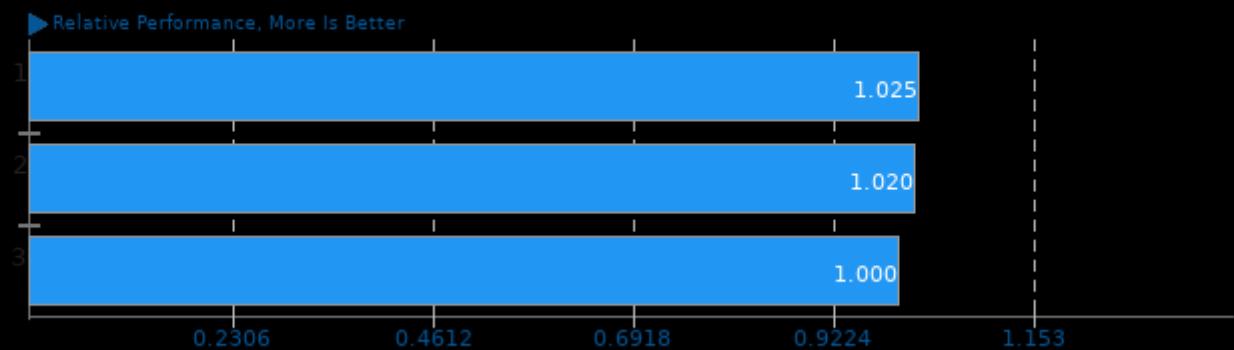
Geometric mean based upon tests: pts/x265, pts/geekbench, pts/hmmer, pts/lammps, pts/numpy and pts/redis



Geometric mean based upon tests: pts/indigobench, pts/x265, pts/kvazaar, pts/openvino, pts/espeak and pts/rnnoise

Geometric Mean Of Database Test Suite

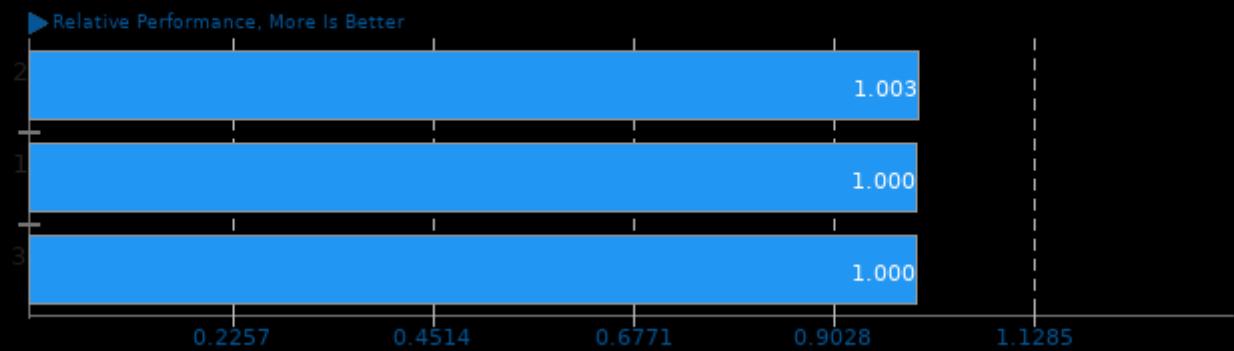
Result Composite - 7600K Nov



Geometric mean based upon tests: pts/redis, pts/keydb and pts/leveldb

Geometric Mean Of Encoding Tests

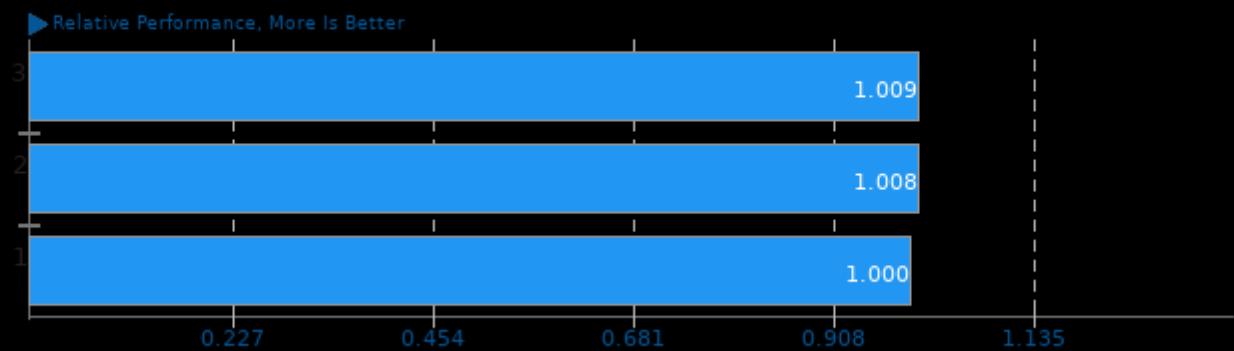
Result Composite - 7600K Nov



Geometric mean based upon tests: pts/x265 and pts/kvazaar

Geometric Mean Of Fortran Tests

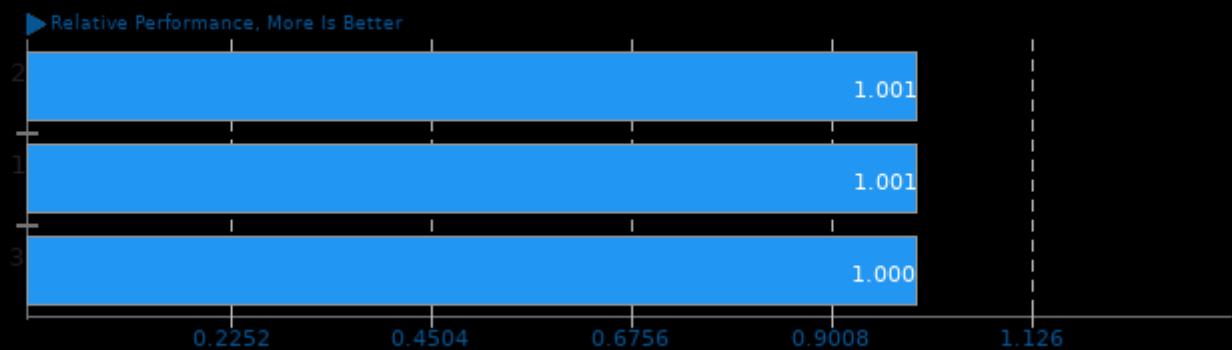
Result Composite - 7600K Nov



Geometric mean based upon tests: pts/ffte and pts/lammps

Geometric Mean Of HPC - High Performance Computing Tests

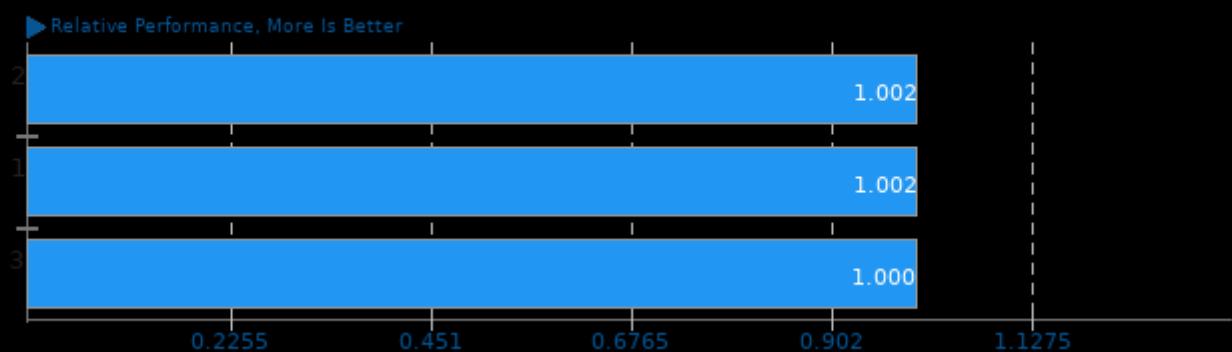
Result Composite - 7600K Nov



Geometric mean based upon tests: pts/ffte, pts/gromacs, pts/lammps, pts/hmmer, pts/numpy, pts/rnnoise and pts/openvino

Geometric Mean Of Machine Learning Tests

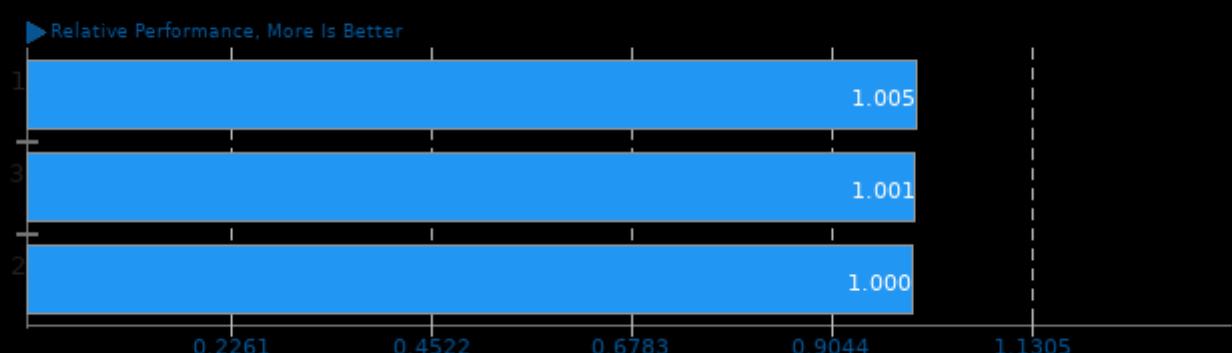
Result Composite - 7600K Nov



Geometric mean based upon tests: pts/numpy, pts/rnnoise and pts/openvino

Geometric Mean Of Molecular Dynamics Tests

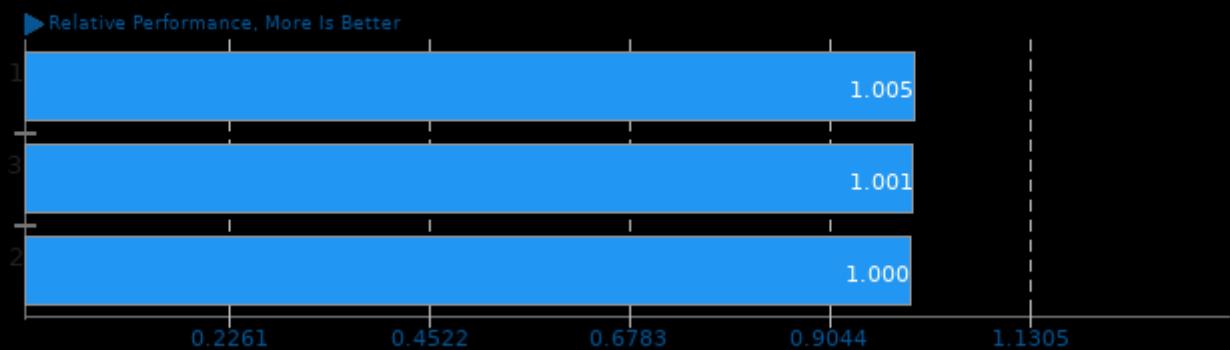
Result Composite - 7600K Nov



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

Geometric Mean Of MPI Benchmarks Tests

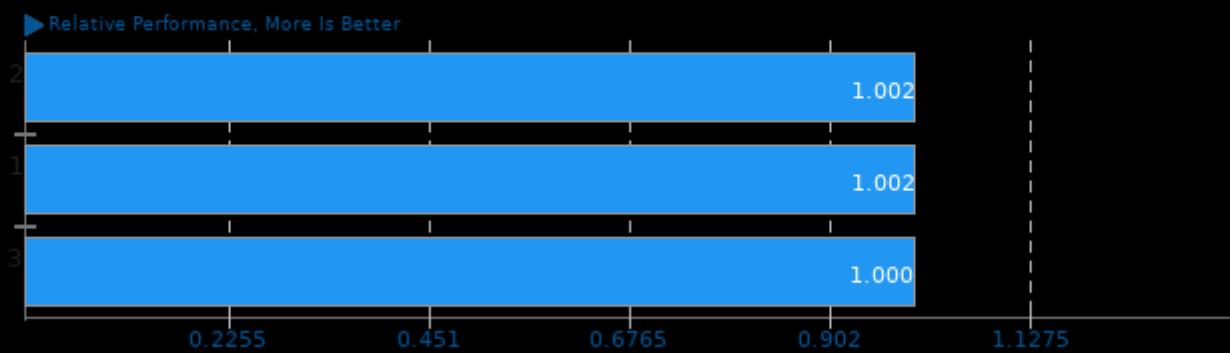
Result Composite - 7600K Nov



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

Geometric Mean Of Multi-Core Tests

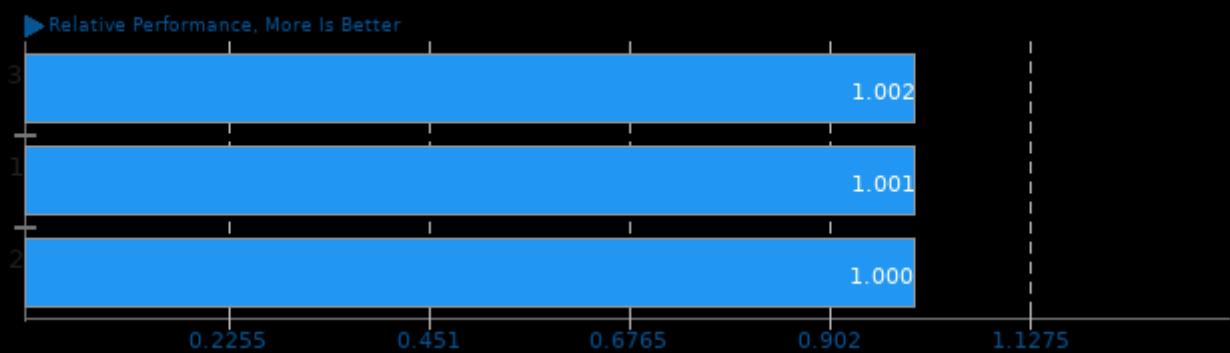
Result Composite - 7600K Nov



Geometric mean based upon tests: pts/x265, pts/kvazaar, pts/lammps, pts/gromacs, pts/indigobench and pts/openvino

Geometric Mean Of NVIDIA GPU Compute Tests

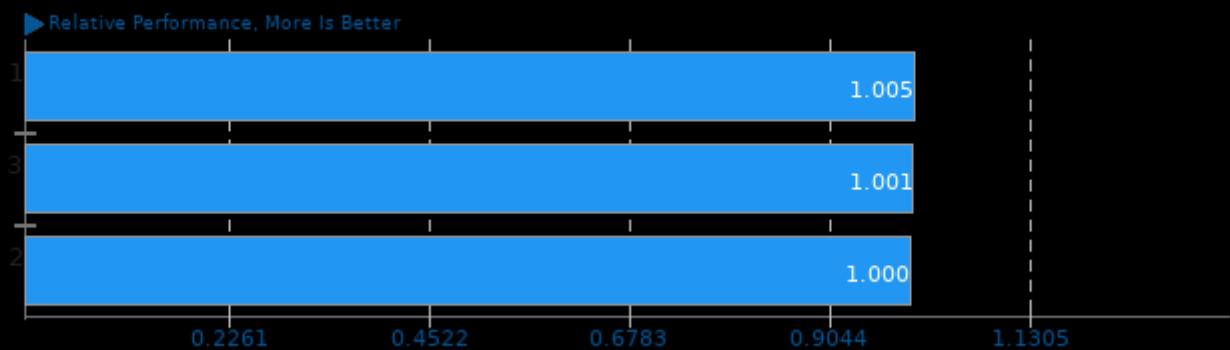
Result Composite - 7600K Nov



Geometric mean based upon tests: pts/gromacs, pts/indigobench, pts/vkfft and pts/waifu2x-ncnn

Geometric Mean Of OpenMPI Tests

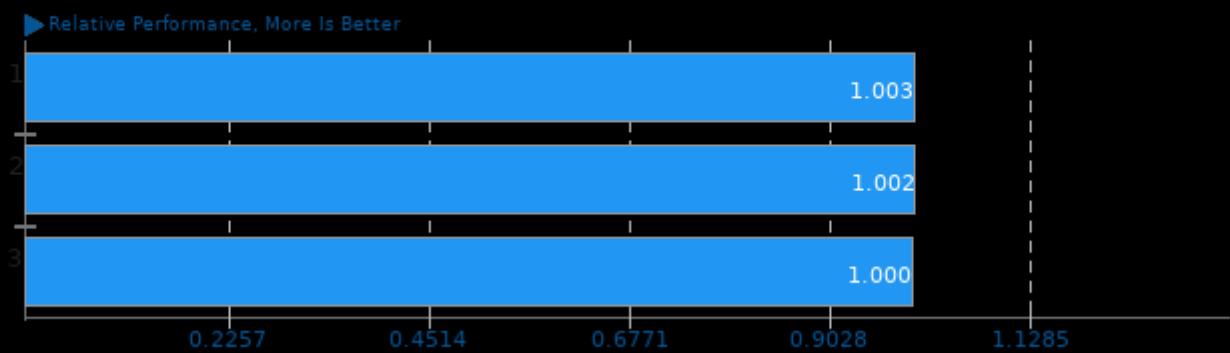
Result Composite - 7600K Nov



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

Geometric Mean Of Python Tests

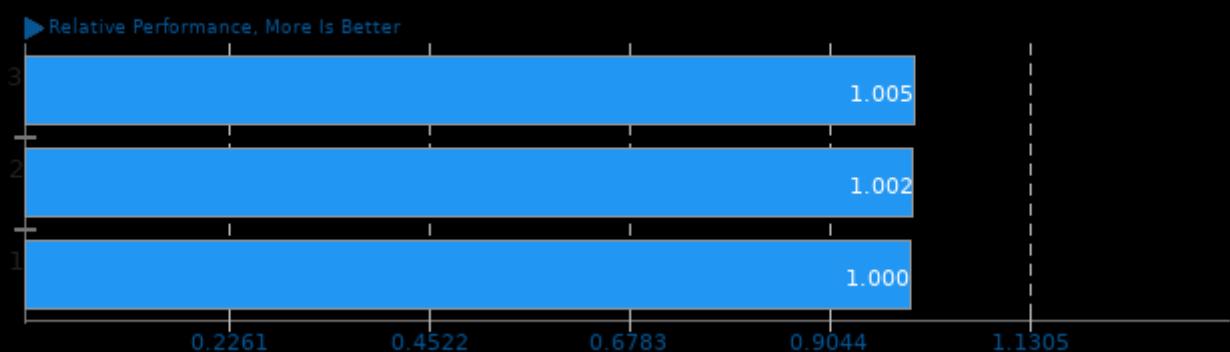
Result Composite - 7600K Nov



Geometric mean based upon tests: pts/numpy and pts/openvino

Geometric Mean Of Scientific Computing Tests

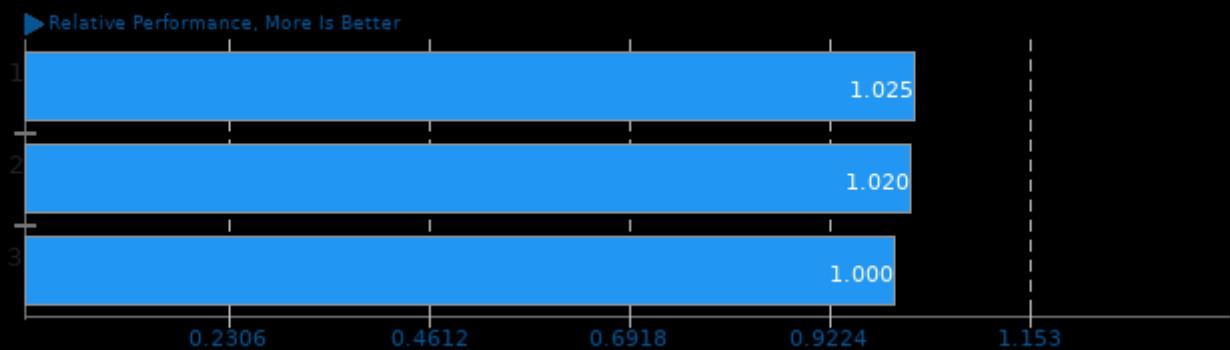
Result Composite - 7600K Nov



Geometric mean based upon tests: pts/ffte, pts/gromacs, pts/lammps and pts/hmmer

Geometric Mean Of Server Tests

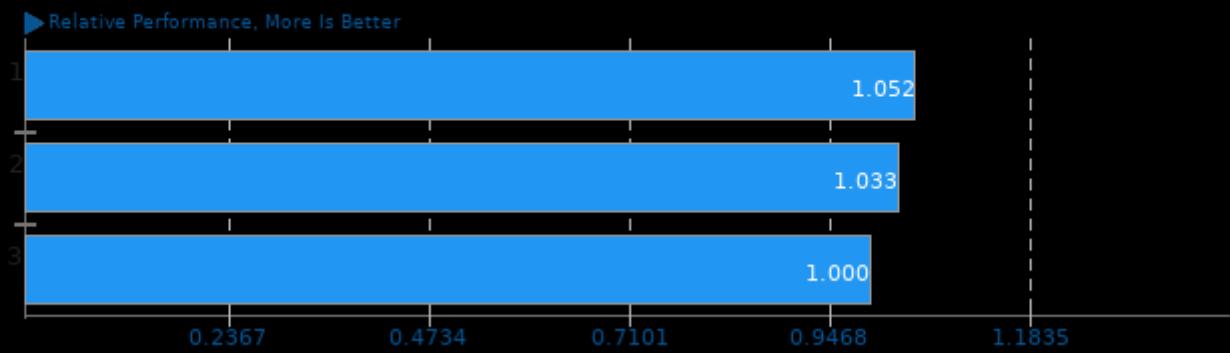
Result Composite - 7600K Nov



Geometric mean based upon tests: pts/redis, pts/keydb and pts/leveldb

Geometric Mean Of Server CPU Tests

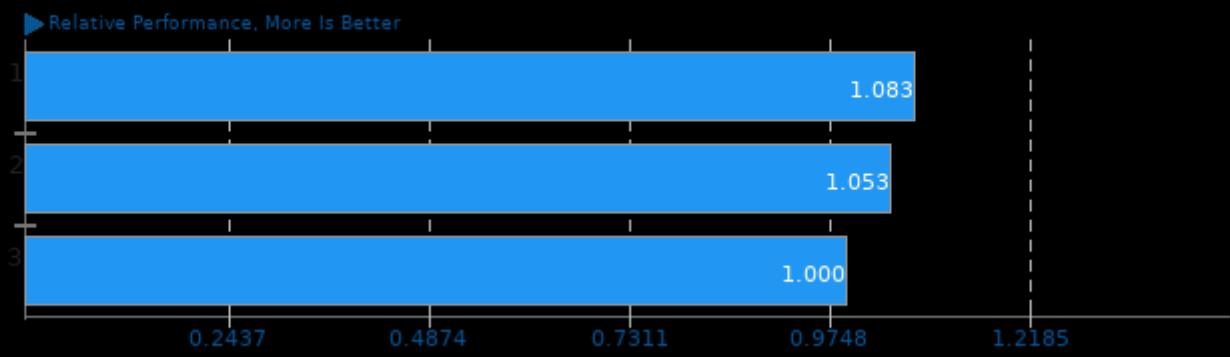
Result Composite - 7600K Nov



Geometric mean based upon tests: pts/x265, pts/redis, pts(numpy and pts/geekbench

Geometric Mean Of Single-Threaded Tests

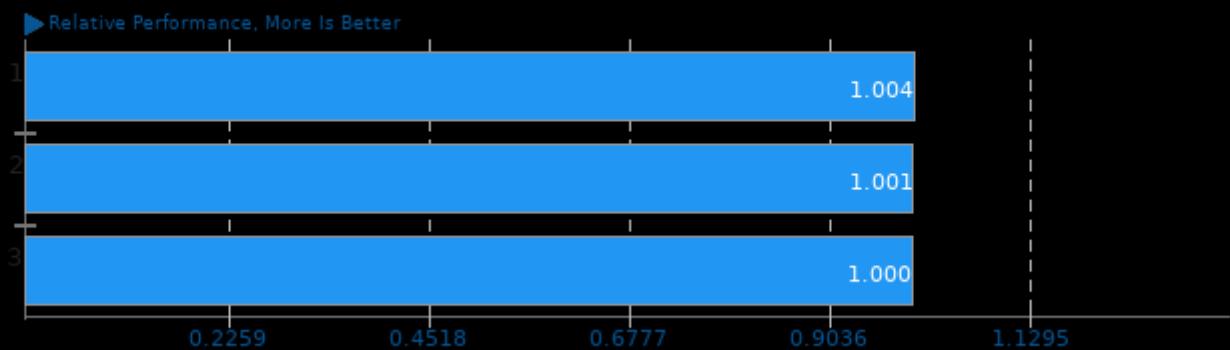
Result Composite - 7600K Nov



Geometric mean based upon tests: pts(numpy, pts/espeak and pts/redis

Geometric Mean Of Speech Tests

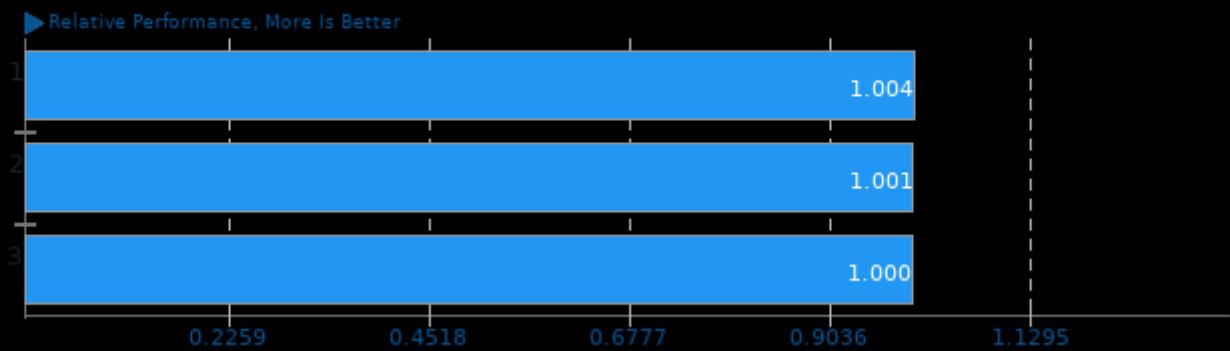
Result Composite - 7600K Nov



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

Geometric Mean Of Telephony Tests

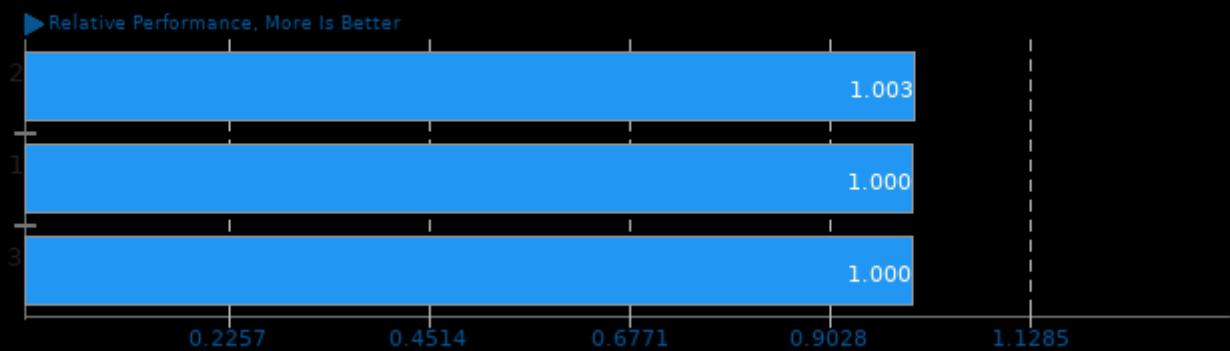
Result Composite - 7600K Nov



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

Geometric Mean Of Video Encoding Tests

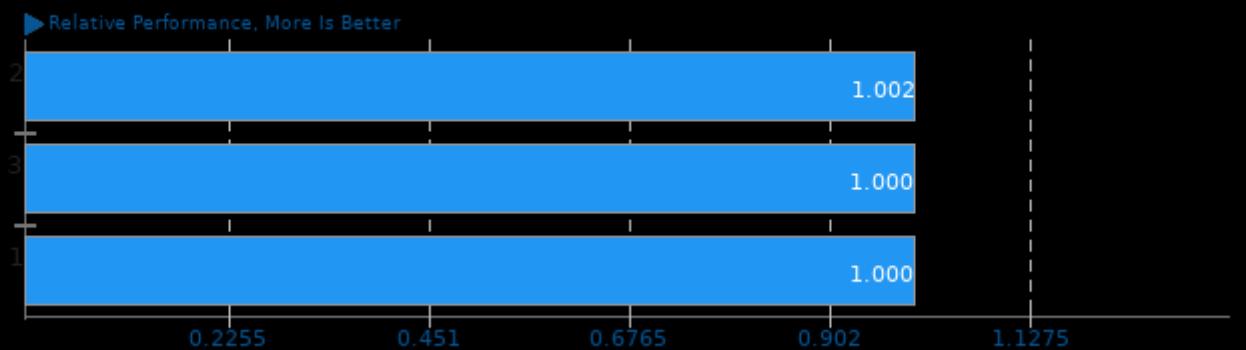
Result Composite - 7600K Nov



Geometric mean based upon tests: pts/x265 and pts/kvazaar

Geometric Mean Of Vulkan Compute Tests

Result Composite - 7600K Nov



Geometric mean based upon tests: pts/vkfft and pts/waifu2x-ncnn

This file was automatically generated via the Phoronix Test Suite benchmarking software on Thursday, 28 March 2024 05:43.