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ivy-march

Intel Core i7-3770K testing with a ECS Z77H2-A2X v1.0 (4.6.5 BIOS) and ECS Intel HD 4000 2GB on Ubuntu 20.04 via the Phoronix Test Suite.

Automated Executive Summary

2 had the most wins, coming in first place for 38% of the tests.

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

SVT-HEVC (*Tuning: 1 - Input: Bosphorus 1080p*) at 1.036x
GNU Radio (*Test: Hilbert Transform*) at 1.025x
AOM AV1 (*Encoder Mode: Speed 9 Realtime - Input: Bosphorus 1080p*) at 1.024x
GNU Radio (*Test: FIR Filter*) at 1.021x
AOM AV1 (*Encoder Mode: Speed 8 Realtime - Input: Bosphorus 4K*) at 1.017x
Xcompact3d Incompact3d (*Input: input.i3d 193 Cells Per Direction*) at 1.017x
Liquid-DSP (*Threads: 4 - Buffer Length: 256 - Filter Length: 57*) at 1.016x
AOM AV1 (*Encoder Mode: Speed 6 Realtime - Input: Bosphorus 4K*) at 1.016x
dav1d (*Video Input: Summer Nature 1080p*) at 1.015x
GNU Radio (*Test: Signal Source (Cosine)*) at 1.014x.

Test Systems:

1

1a

2

3

Processor: Intel Core i7-3770K @ 3.90GHz (4 Cores / 8 Threads), Motherboard: ECS Z77H2-A2X v1.0 (4.6.5 BIOS), Chipset: Intel Xeon E3-1200 v2/3rd, Memory: 8GB, Disk: 160GB INTEL SSDSA2M160, Graphics: ECS Intel HD 4000 2GB (1150MHz), Audio: Realtek ALC892, Monitor: G237HL, Network: 2 x Realtek RTL8111/8168/8411

OS: Ubuntu 20.04, Kernel: 5.8.0-43-generic (x86_64), Desktop: GNOME Shell 3.36.4, Display Server: X Server 1.20.9, OpenGL: 4.2 Mesa 20.0.8, Vulkan: 1.2.131, Compiler: GCC 9.3.0, File-System: ext4, Screen Resolution: 1920x1080

Kernel Notes: Transparent Huge Pages: madvise

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-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

Processor Notes: Scaling Governor: intel_cpf freq ondemand - CPU Microcode: 0x21 - ThermalD 1.9.1

Python Notes: Python 3.8.5

Security Notes: itlb_multihit: KVM: Mitigation of VMX disabled + l1tf: Mitigation of PTE Inversion; VMX: conditional cache flushes SMT vulnerable + mds: Mitigation of Clear buffers; SMT vulnerable + 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 IPB: conditional IBRS_FW STIBP: conditional RSB filling + srbs: Vulnerable: No microcode + tsx_async_abort: Not affected

	1	1a	2	3
Xcompact3d Incompact3d - i.i.1.C.P.D	130.946472 (sec)		130.746613	131.137324
Normalized	99.85%		100%	99.7%
Standard Deviation	0.4%		0.3%	0.3%
Xcompact3d Incompact3d - i.i.1.C.P.D	446.312256 (sec)		446.099009	453.477427
Normalized	99.95%		100%	98.37%
Standard Deviation	0.2%		0.1%	2.6%
simdjson - Kostya (GB/s)	1.72		1.72	1.72
Standard Deviation	0%		0%	0%
simdjson - LargeRand (GB/s)	0.68		0.68	0.68
Standard Deviation	0%		0%	0%
simdjson - PartialTweets (GB/s)	2.03		2.03	2.03
Standard Deviation	0.3%		0.3%	0.3%
simdjson - DistinctUserID (GB/s)	2.21		2.21	2.21
Standard Deviation	0%		0%	0%
srsLTE - OFDM_Test (Samples / Second)	70700000		70933333	70800000
Normalized	99.67%		100%	99.81%
Standard Deviation	0.6%		0.9%	0.4%

srsLTE - PHY_DL_Test (eNb Mb/s)	189.6	190.3	190.1
Normalized	99.63%	100%	99.89%
Standard Deviation	0.7%	0.3%	0.6%
srsLTE - PHY_DL_Test (UE Mb/s)	67.5	67.2	67.1
Normalized	100%	99.56%	99.41%
Standard Deviation	0.3%	0.7%	1.4%
LuaRadio - F.B.t.B.F.F (MiB/s)	437.3	438.0	436.3
Normalized	99.84%	100%	99.61%
Standard Deviation	0.2%	0.1%	0.1%
LuaRadio - F.D.F (MiB/s)	290.2	290.5	290.5
Normalized	99.9%	100%	100%
Standard Deviation	0.2%	0.3%	0%
LuaRadio - Hilbert Transform (MiB/s)	79.0	79.1	79.1
Normalized	99.87%	100%	100%
Standard Deviation	0.2%	0.1%	0.3%
LuaRadio - Complex Phase (MiB/s)	482.6	481.7	481.5
Normalized	100%	99.81%	99.77%
Standard Deviation	0.1%	0.1%	0.4%
GNU Radio - F.B.t.B.F.F (MiB/s)	400.4	397.1	399.5
Normalized	100%	99.18%	99.78%
Standard Deviation	0.7%	0.3%	0.4%
GNU Radio - S.S.C (MiB/s)	1973	1946	1972
Normalized	100%	98.64%	99.93%
Standard Deviation	0.6%	1.2%	0.5%
GNU Radio - FIR Filter (MiB/s)	477.6	485.3	475.4
Normalized	98.41%	100%	97.96%
Standard Deviation	0.6%	0.4%	2.1%
GNU Radio - IIR Filter (MiB/s)	475.5	471.8	472.2
Normalized	100%	99.22%	99.31%
Standard Deviation	0.5%	0.8%	1.2%
GNU Radio - F.D.F (MiB/s)	575.3	573.6	581.5
Normalized	98.93%	98.64%	100%
Standard Deviation	1.2%	1.6%	1.4%
GNU Radio - Hilbert Transform (MiB/s)	358.2	362.9	367.2
Normalized	97.55%	98.83%	100%
Standard Deviation	2.2%	1.8%	1.3%
dav1d - Chimera 1080p (FPS)	203.43	203.46	203.58
Normalized	99.93%	99.94%	100%
Standard Deviation	0.1%	0.1%	0.1%
dav1d - Summer Nature 4K (FPS)	50.80	50.87	50.85
Normalized	99.86%	100%	99.96%
Standard Deviation	0.1%	0.1%	0.1%
dav1d - S.N.1 (FPS)	190.11	192.98	192.44
Normalized	98.51%	100%	99.72%
Standard Deviation	1.6%	0.4%	0.6%
dav1d - C.1.1.b (FPS)	59.67	60.02	60.00
Normalized	99.42%	100%	99.97%
Standard Deviation	0.4%	0.1%	0%
AOM AV1 - Speed 0 Two-Pass (FPS)	0.08		
Standard Deviation	0%		
AOM AV1 - Speed 4 Two-Pass (FPS)	2.00		
Standard Deviation	0.4%		
SVT-HEVC - 1 - Bosphorus 1080p	0.28	0.28	0.29
Normalized	96.55%	96.55%	100%
Standard Deviation	2%	2%	2%

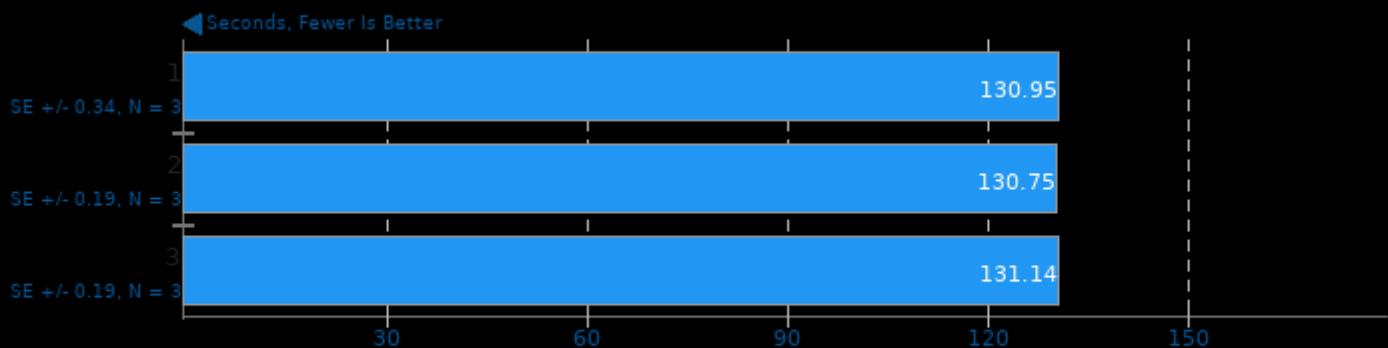
SVT-HEVC - 7 - Bosphorus 1080p	2.86	2.86
Standard Deviation	0%	0%
SVT-HEVC - 10 - Bosphorus 1080p	5.81	5.81
(FPS)		
Standard Deviation	0%	0%
Stockfish - Total Time (Nodes/s)	7999264	7969455
Normalized	99.67%	99.3%
Standard Deviation	1.3%	0.7%
libavif avifenc - 0 (sec)	230.143	230.347
Normalized	99.99%	99.9%
Standard Deviation	0.4%	0.4%
libavif avifenc - 2 (sec)	121.130	120.932
Normalized	99.69%	99.85%
Standard Deviation	0.5%	0.7%
libavif avifenc - 6 (sec)	39.466	39.390
Normalized	99.58%	99.77%
Standard Deviation	0.2%	0.4%
libavif avifenc - 10 (sec)	6.261	6.274
Normalized	100%	99.79%
Standard Deviation	0.2%	0.3%
libavif avifenc - 6, Lossless (sec)	160.608	160.748
Normalized	100%	99.91%
Standard Deviation	0.3%	0.2%
libavif avifenc - 10, Lossless (sec)	10.157	10.141
Normalized	99.84%	99.49%
Standard Deviation	0.8%	0.6%
Timed Linux Kernel Compilation - Time To Compile (sec)	296.082	296.235
Normalized	100%	99.95%
Standard Deviation	0.6%	0.6%
Timed Mesa Compilation - Time To Compile (sec)	179.067	178.821
Normalized	99.86%	99.96%
Standard Deviation	0.1%	0.2%
Timed Node.js Compilation - Time To Compile (sec)	1506	1507
Normalized	99.94%	100%
Standard Deviation	0%	0.1%
Timed Erlang/OTP Compilation - Time To Compile (sec)	248.311	248.109
Normalized	99.85%	100%
Standard Deviation	0.4%	0.2%
Timed Wasmer Compilation - Time To Compile (sec)	273.210	275.838
Normalized	100%	99.93%
Standard Deviation	1.7%	0%
Liquid-DSP - 1 - 256 - 57 (samples/s)	43639667	43495667
Normalized	100%	99.05%
Standard Deviation	0.1%	1.5%
Liquid-DSP - 2 - 256 - 57 (samples/s)	85654667	85359667
Normalized	100%	99.67%
Standard Deviation	0.1%	0.4%
Liquid-DSP - 4 - 256 - 57 (samples/s)	152916667	150500000
Normalized	100%	98.42%

	Standard Deviation 0.7%		1.2%	0.1%
Liquid-DSP - 8 - 256 - 57 (samples/s)	181050000		181143333	181073333
Normalized 99.95%		100%	99.96%	
Standard Deviation 0.1%		0.2%	0.1%	
Basis Universal - ETC1S (sec)	43.140		43.091	43.122
Normalized 99.89%		100%	99.93%	
Standard Deviation 0.6%		0.5%	0.5%	
Basis Universal - UASTC Level 0 (sec)	12.682		12.690	12.682
Normalized 100%		99.94%	100%	
Standard Deviation 0.1%		0.1%	0.1%	
Basis Universal - UASTC Level 2 (sec)	84.919		84.940	84.928
Normalized 100%		99.98%	99.99%	
Standard Deviation 0%		0%	0%	
Basis Universal - UASTC Level 3 (sec)	166.643		166.569	166.614
Normalized 99.96%		100%	99.97%	
Standard Deviation 0.1%		0.1%	0%	
OpenSCAD - Pistol (sec)	151.908		151.839	151.775
Normalized 99.91%		99.96%	100%	
Standard Deviation 0.3%		0.1%	0.3%	
OpenSCAD - Retro Car (sec)	26.325		26.384	26.384
Normalized 100%		99.78%	99.78%	
Standard Deviation 0.5%		0.2%	0.1%	
OpenSCAD - Mini-ITX Case (sec)	64.794		64.877	65.177
Normalized 100%		99.87%	99.41%	
Standard Deviation 0.1%		0.3%	0.3%	
OpenSCAD - P.M.S (sec)	137.494		137.691	137.857
Normalized 100%		99.86%	99.74%	
Standard Deviation 0.9%		0.4%	0.2%	
OpenSCAD - L.P.C.S (sec)	26.150		25.839	25.870
Normalized 98.81%		100%	99.88%	
Standard Deviation 1.3%		0.1%	0.3%	
Mobile Neural Network - SqueezeNetV1.0 (ms)	17.190		17.171	17.172
Normalized 99.89%		100%	99.99%	
Standard Deviation 0.3%		0.1%	0.1%	
Mobile Neural Network - resnet-v2-50	99.878	(ms)	100.224	100.467
Normalized 100%		99.65%	99.41%	
Standard Deviation 0.2%		0.6%	0.3%	
Mobile Neural Network - 9.329			9.315	9.332
MobileNetV2_224 (ms)			100%	99.82%
Normalized 99.85%		0.2%	0.3%	
Standard Deviation 0.2%		13.486	13.481	
Mobile Neural Network - 13.498			99.96%	100%
mobilenet-v1-1.0 (ms)			0.1%	0.2%
Normalized 99.87%		117.182	117.455	
Standard Deviation 0.3%		100%	99.77%	
Mobile Neural Network - inception-v3	117.479	(ms)	0.1%	0.1%
Normalized 99.75%		100%	99.23%	
Standard Deviation 0.1%		0.7%	1.6%	
Sysbench - RAM / Memory (MiB/sec)	18946		19026	18881
Normalized 99.58%		100%		
Standard Deviation 1.2%		0.7%		

Sysbench - CPU (Events/sec)	6756	6753	6758
Normalized	99.97%	99.93%	100%
Standard Deviation	0%	0%	0%
AOM AV1 - Speed 0 Two-Pass - Bosphorus 4K (FPS)	0.03	0.03	0.03
Standard Deviation	0%	0%	0%
AOM AV1 - Speed 4 Two-Pass - Bosphorus 4K (FPS)	0.91	0.91	0.91
Standard Deviation	0%	0%	0%
AOM AV1 - Speed 6 Realtime - Bosphorus 4K (FPS)	3.76	3.81	3.82
Normalized	98.43%	99.74%	100%
Standard Deviation	0.8%	0.2%	0.3%
AOM AV1 - Speed 6 Two-Pass - Bosphorus 4K (FPS)	1.67	1.67	1.67
Standard Deviation	0%	0%	0.3%
AOM AV1 - Speed 8 Realtime - Bosphorus 4K (FPS)	13.48	13.25	13.27
Normalized	100%	98.29%	98.44%
Standard Deviation	1.1%	0.2%	0.8%
AOM AV1 - Speed 9 Realtime - Bosphorus 4K (FPS)	17.09	17.09	17.09
Standard Deviation	0.6%	0.6%	0.9%
AOM AV1 - Speed 0 Two-Pass - Bosphorus 1080p (FPS)	0.1	0.1	0.1
Standard Deviation	0%	0%	0%
AOM AV1 - Speed 4 Two-Pass - Bosphorus 1080p (FPS)	2.01	2.00	2.01
Normalized	100%	99.5%	100%
Standard Deviation	0.3%	0.3%	0%
AOM AV1 - Speed 6 Realtime - Bosphorus 1080p (FPS)	6.95	6.94	6.98
Normalized	99.57%	99.43%	100%
Standard Deviation	0.6%	0.2%	0.3%
AOM AV1 - Speed 6 Two-Pass - Bosphorus 1080p (FPS)	5.47	5.48	5.49
Normalized	99.64%	99.82%	100%
Standard Deviation	0.7%	0.1%	0.4%
AOM AV1 - Speed 8 Realtime - Bosphorus 1080p (FPS)	47.71	48.03	47.68
Normalized	99.33%	100%	99.27%
Standard Deviation	0.5%	0.6%	0.8%
AOM AV1 - Speed 9 Realtime - Bosphorus 1080p (FPS)	52.08	53.30	52.04
Normalized	97.71%	100%	97.64%
Standard Deviation	0.5%	1.5%	0.2%

Xcompact3d Incompact3d 2021-03-11

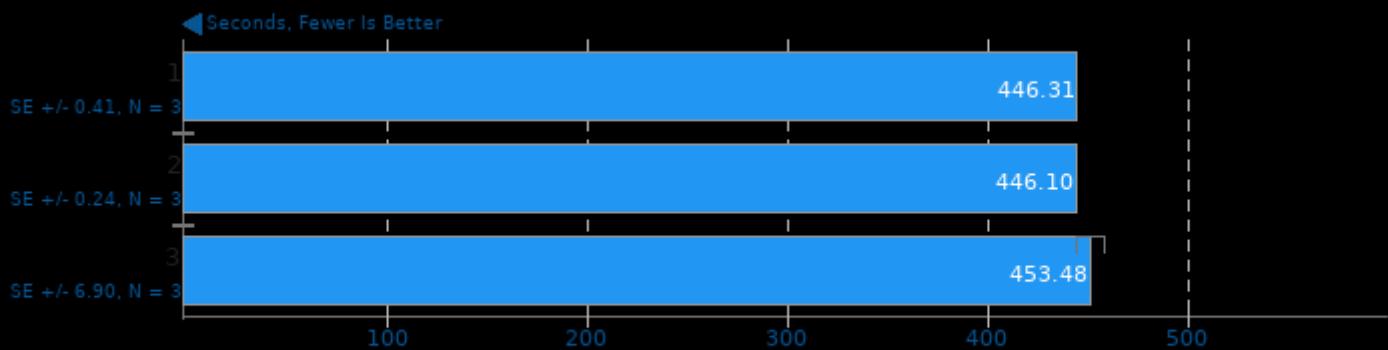
Input: input.i3d 129 Cells Per Direction



1. (F9X) gfortran options: -cpp -O2 -funroll-loops -floop-optimize -fcray-pointer -fbacktrace -pthread -lmpi_usempif08 -lmpi_mpifh -lmpi

Xcompact3d Incompact3d 2021-03-11

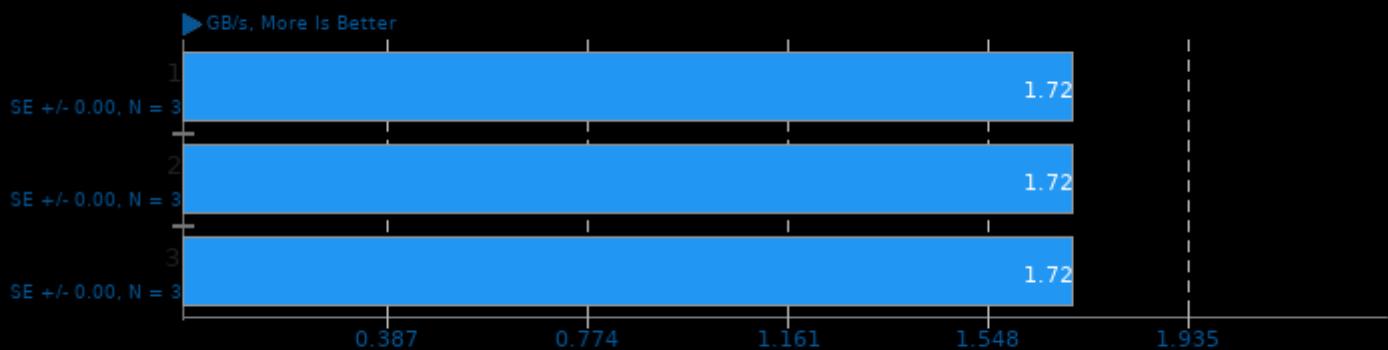
Input: input.i3d 193 Cells Per Direction



1. (F9X) gfortran options: -cpp -O2 -funroll-loops -floop-optimize -fcray-pointer -fbacktrace -pthread -lmpi_usempif08 -lmpi_mpifh -lmpi

simdjson 0.8.2

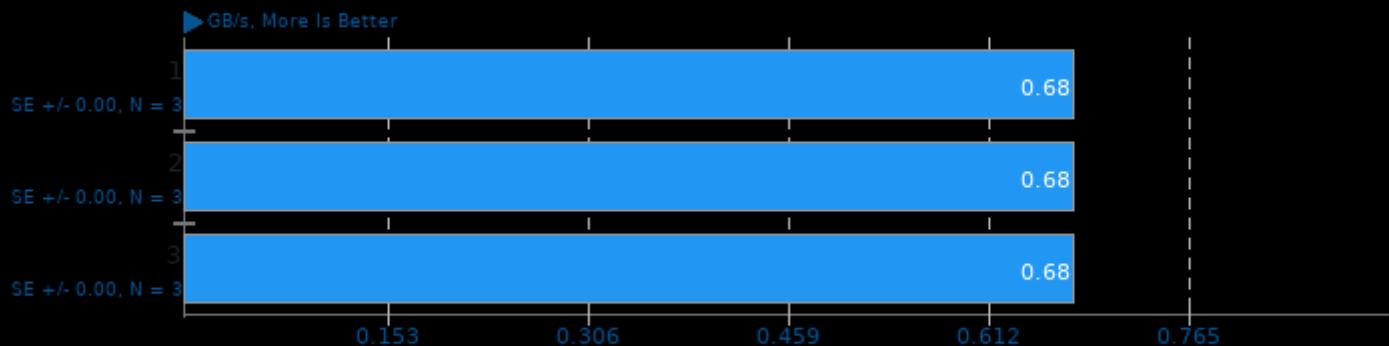
Throughput Test: Kostya



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

simdjson 0.8.2

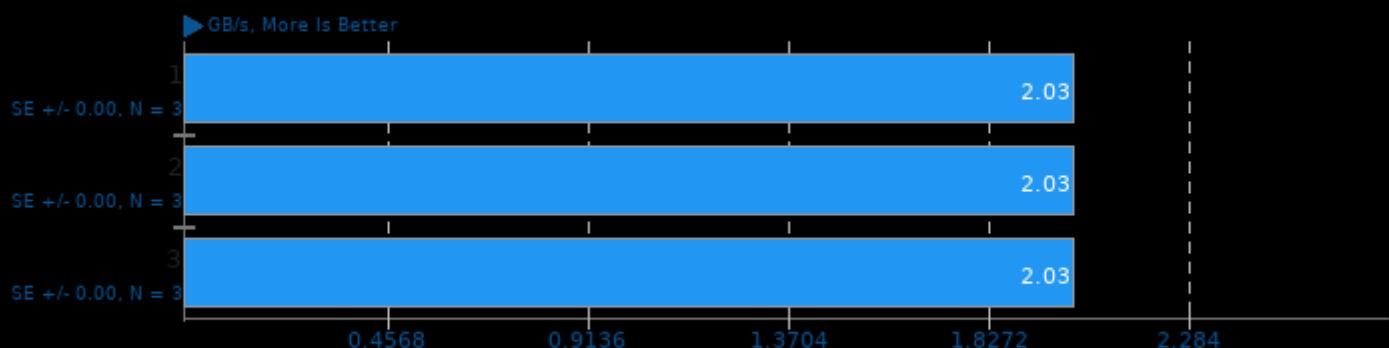
Throughput Test: LargeRandom



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

simdjson 0.8.2

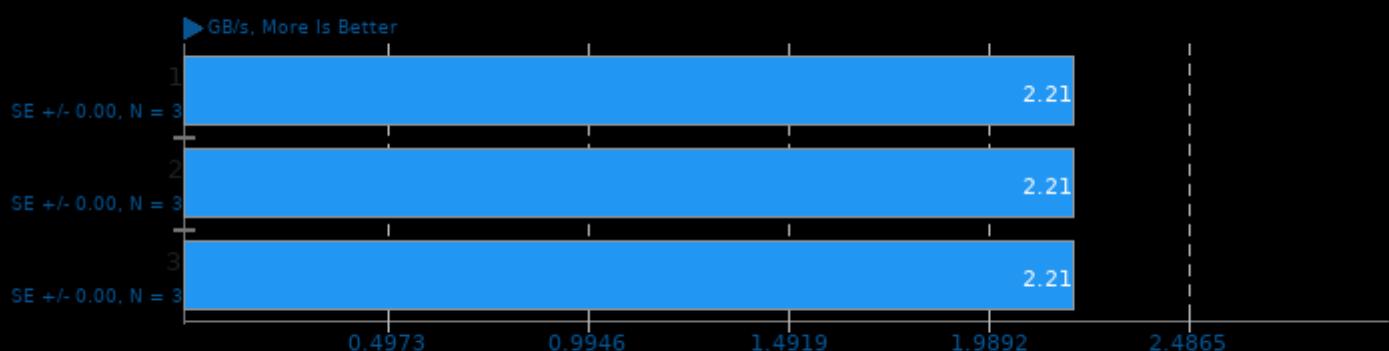
Throughput Test: PartialTweets



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

simdjson 0.8.2

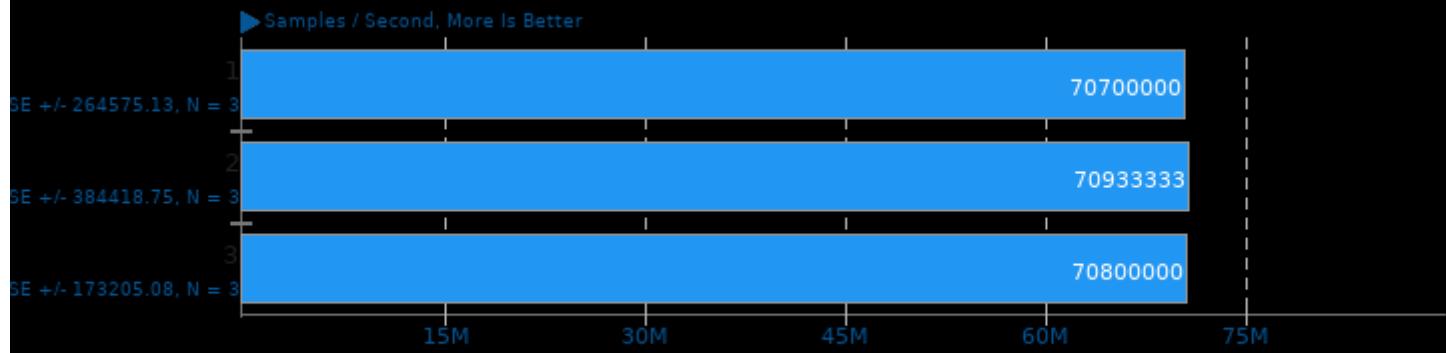
Throughput Test: DistinctUserID



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

srsLTE 20.10.1

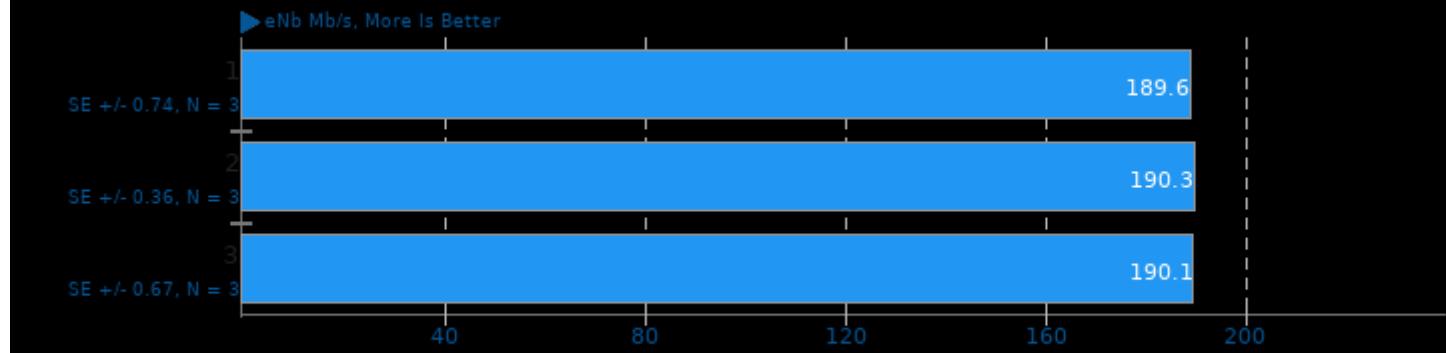
Test: OFDM_Test



1. (CXX) g++ options: -std=c++11 -fno-strict-aliasing -march=native -mfpmath=sse -mavx -fvisibility=hidden -O3 -fno-trapping-math -fno-math-errno -fno-round-nearest-ties-to-even

srsLTE 20.10.1

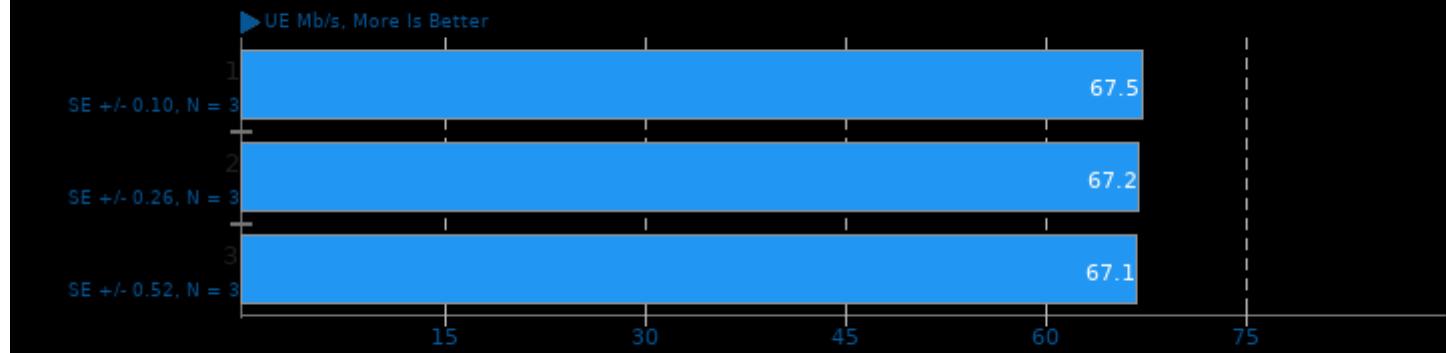
Test: PHY_DL_Test



1. (CXX) g++ options: -std=c++11 -fno-strict-aliasing -march=native -mfpmath=sse -mavx -fvisibility=hidden -O3 -fno-trapping-math -fno-math-errno -fno-round-nearest-ties-to-even

srsLTE 20.10.1

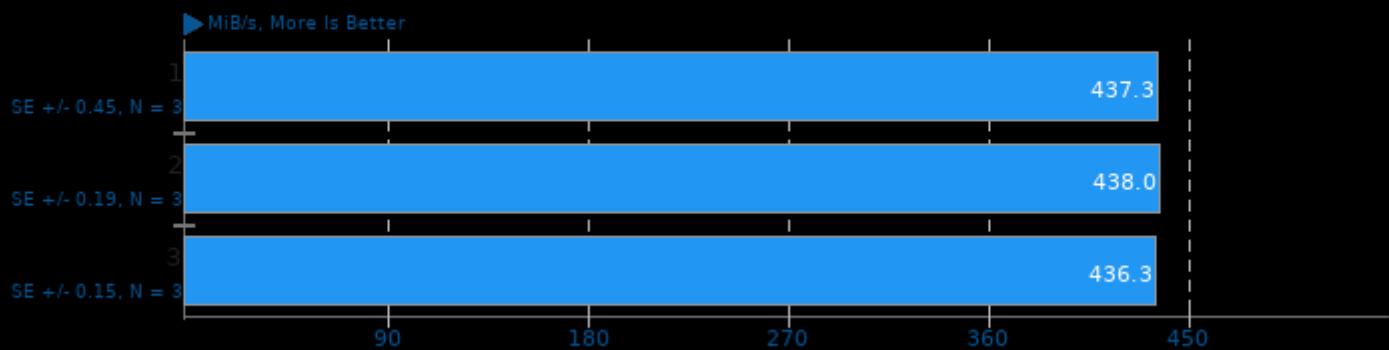
Test: PHY_DL_Test



1. (CXX) g++ options: -std=c++11 -fno-strict-aliasing -march=native -mfpmath=sse -mavx -fvisibility=hidden -O3 -fno-trapping-math -fno-math-errno -fno-round-nearest-ties-to-even

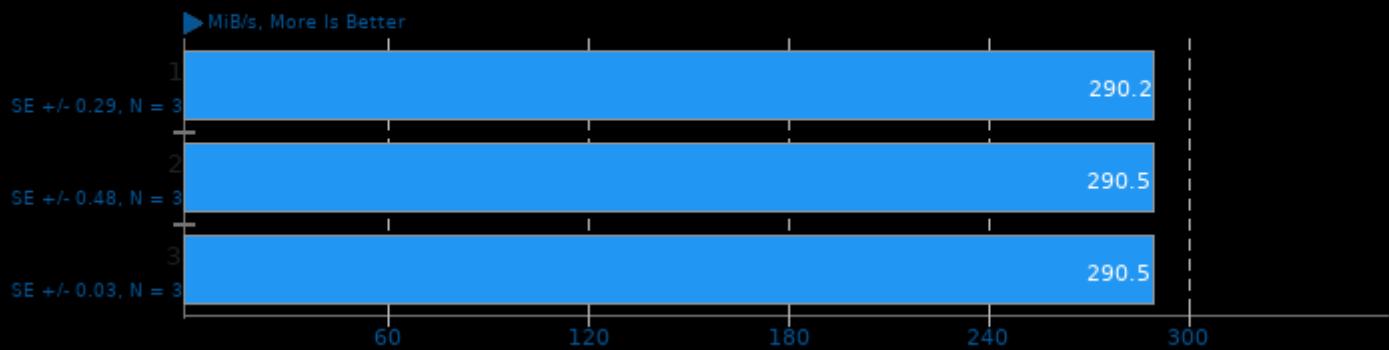
LuaRadio 0.9.1

Test: Five Back to Back FIR Filters



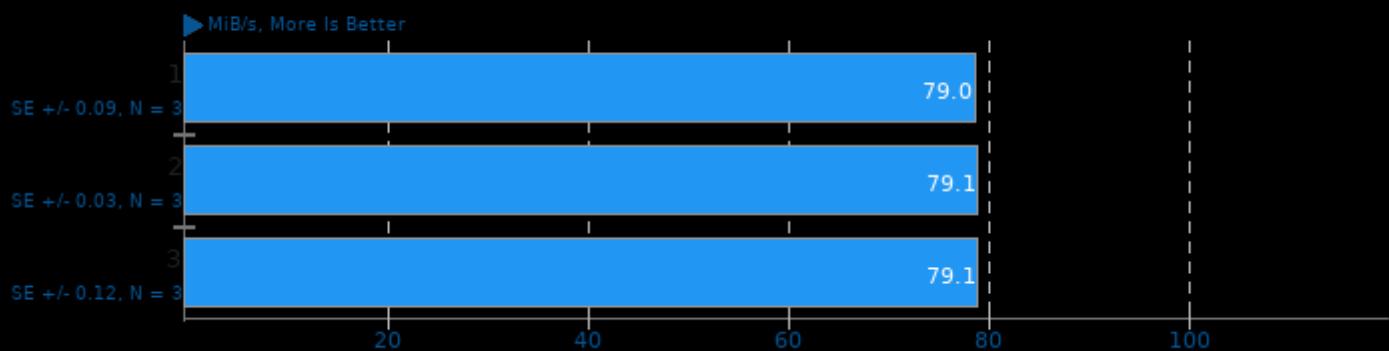
LuaRadio 0.9.1

Test: FM Deemphasis Filter



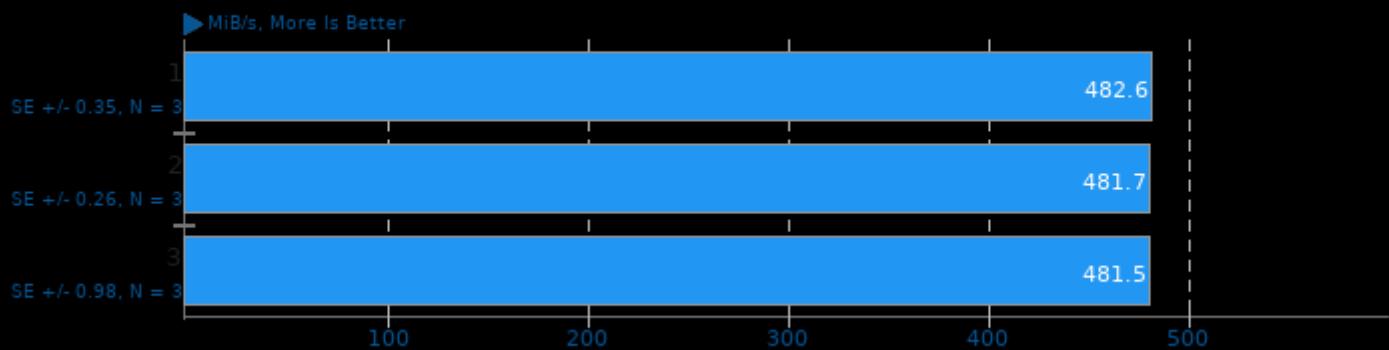
LuaRadio 0.9.1

Test: Hilbert Transform



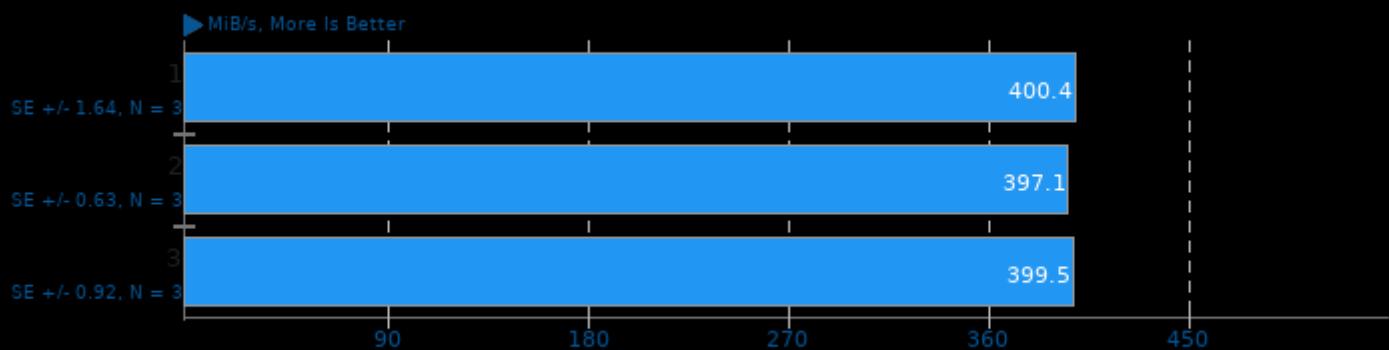
LuaRadio 0.9.1

Test: Complex Phase



GNU Radio

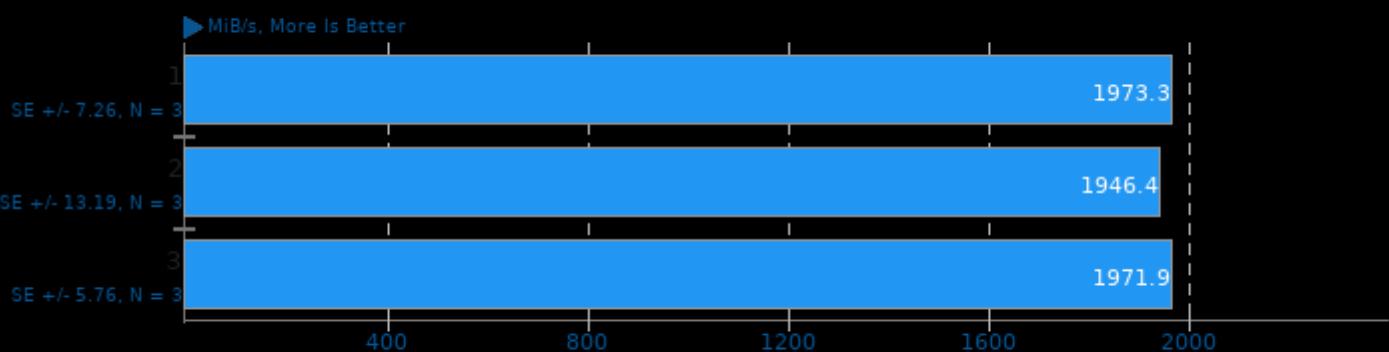
Test: Five Back to Back FIR Filters



1.3.8.1.0

GNU Radio

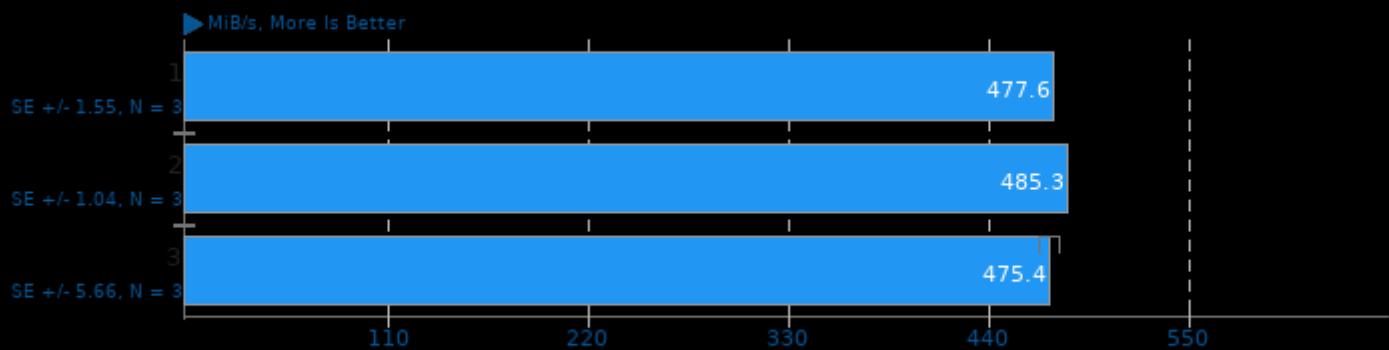
Test: Signal Source (Cosine)



1.3.8.1.0

GNU Radio

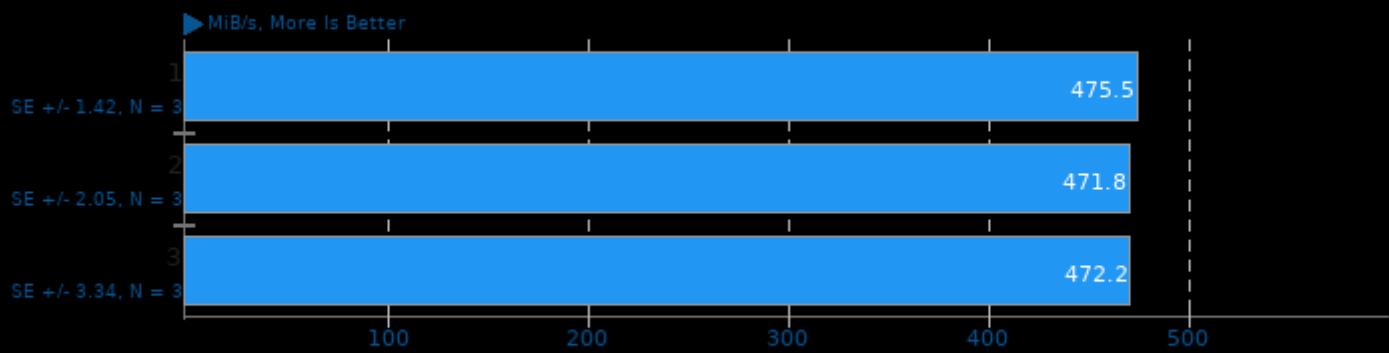
Test: FIR Filter



1.3.8.1.0

GNU Radio

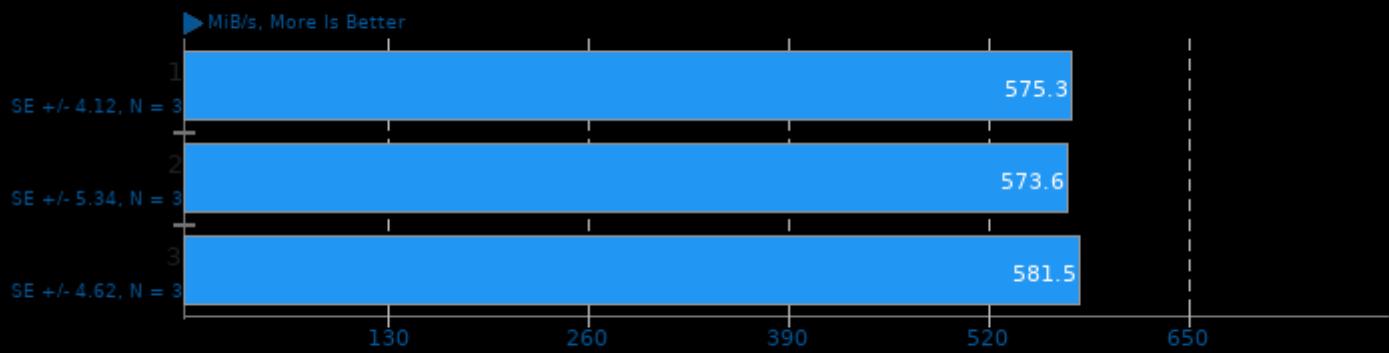
Test: IIR Filter



1.3.8.1.0

GNU Radio

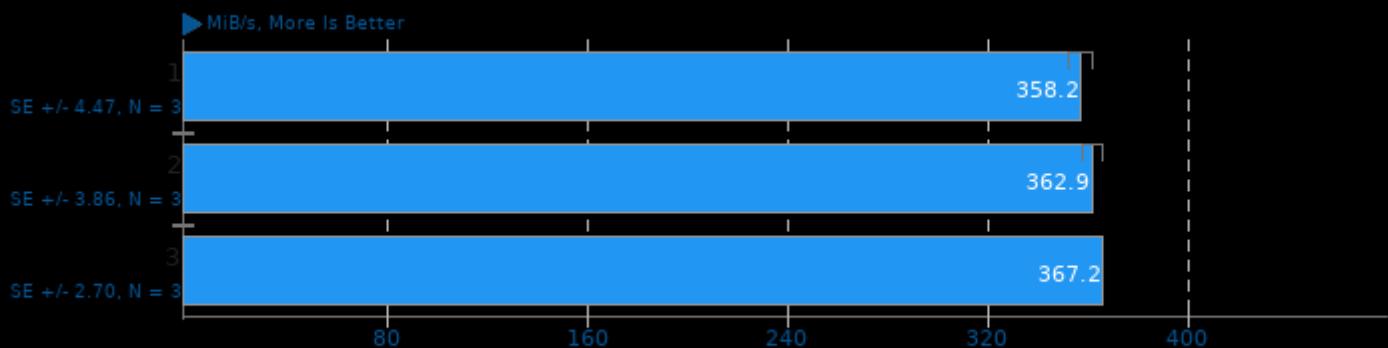
Test: FM Deemphasis Filter



1.3.8.1.0

GNU Radio

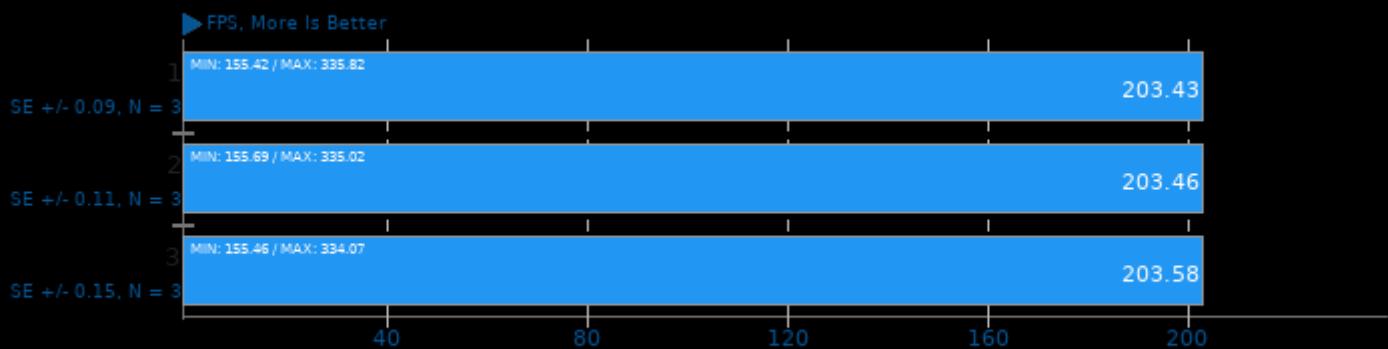
Test: Hilbert Transform



1.3.8.1.0

dav1d 0.8.2

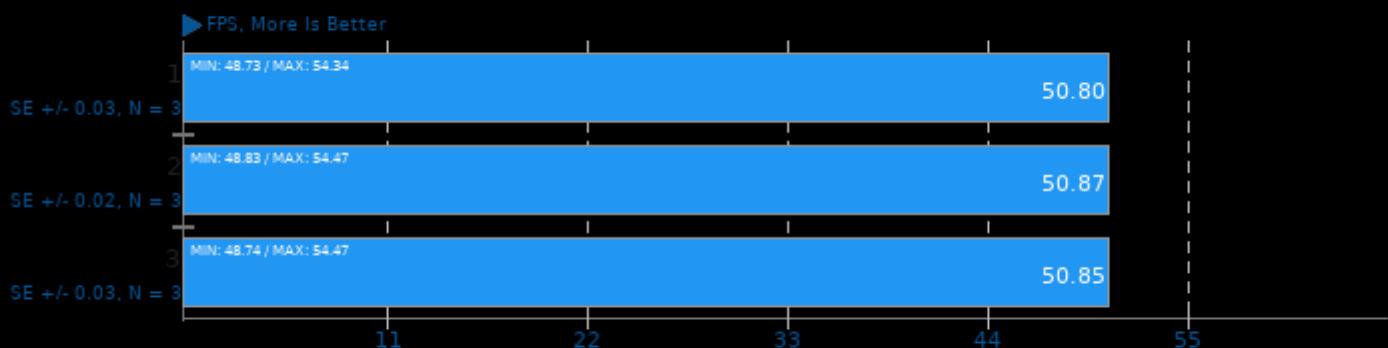
Video Input: Chimera 1080p



1. (CC) gcc options: -pthread -lm

dav1d 0.8.2

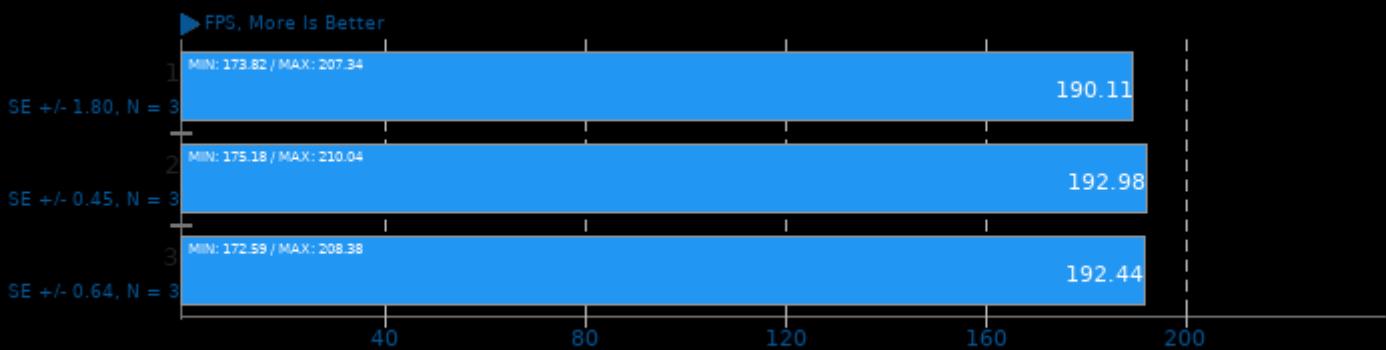
Video Input: Summer Nature 4K



1. (CC) gcc options: -pthread -lm

dav1d 0.8.2

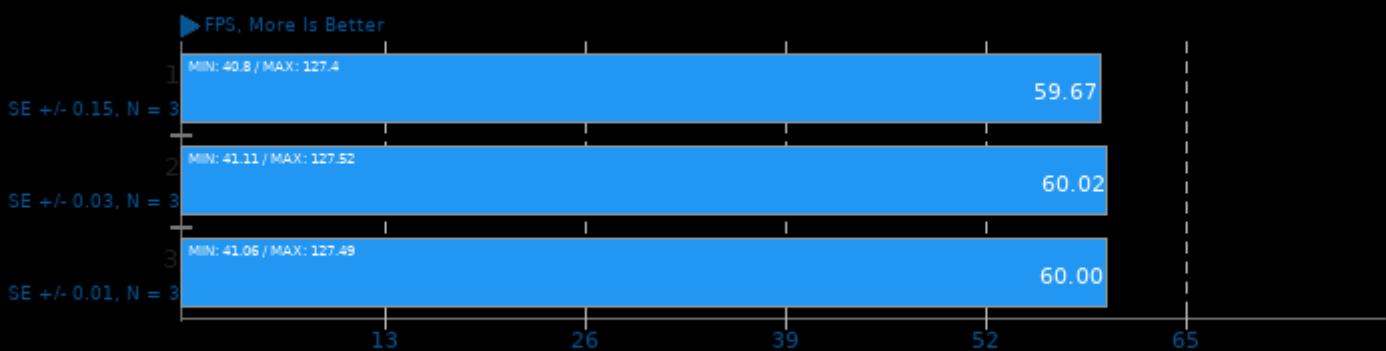
Video Input: Summer Nature 1080p



1. (CC) gcc options: -pthread -lm

dav1d 0.8.2

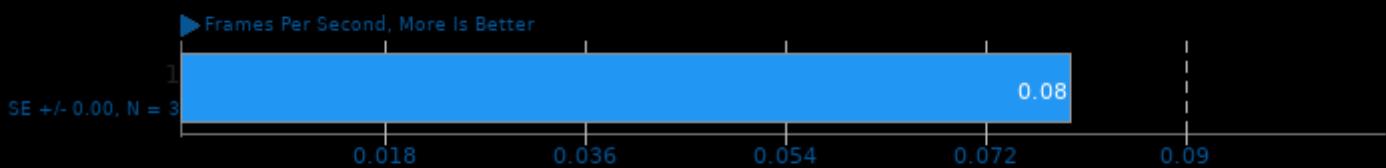
Video Input: Chimera 1080p 10-bit



1. (CC) gcc options: -pthread -lm

AOM AV1 2.1-rc

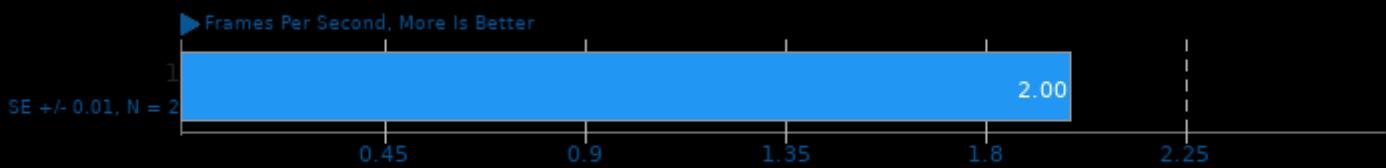
Encoder Mode: Speed 0 Two-Pass



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

AOM AV1 2.1-rc

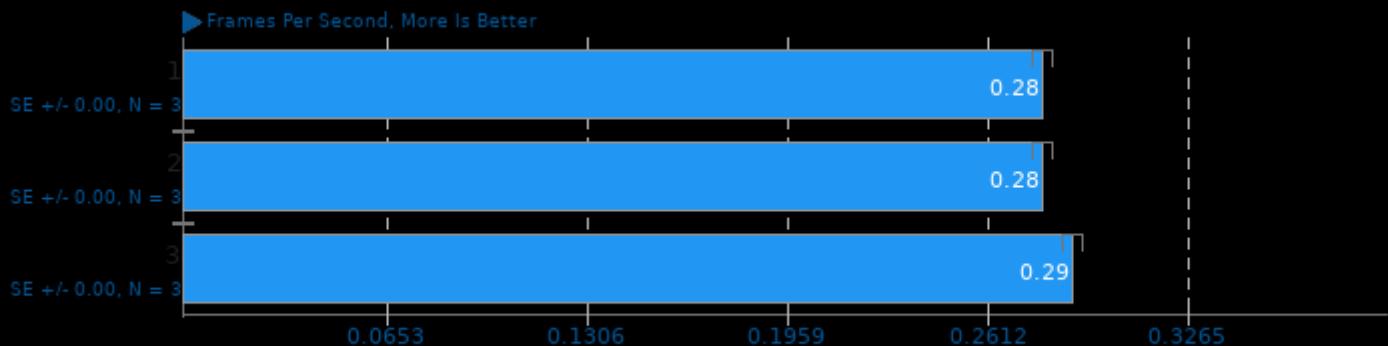
Encoder Mode: Speed 4 Two-Pass



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

SVT-HEVC 1.5.0

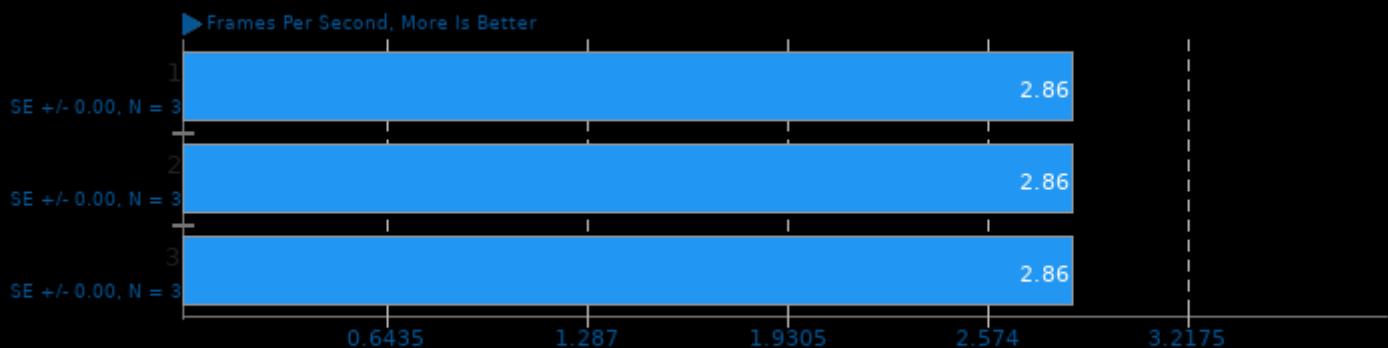
Tuning: 1 - Input: Bosphorus 1080p



1. (CC) gcc options: -fPIE -fPIC -O3 -O2 -pie -rdynamic -lpthread -lrt

SVT-HEVC 1.5.0

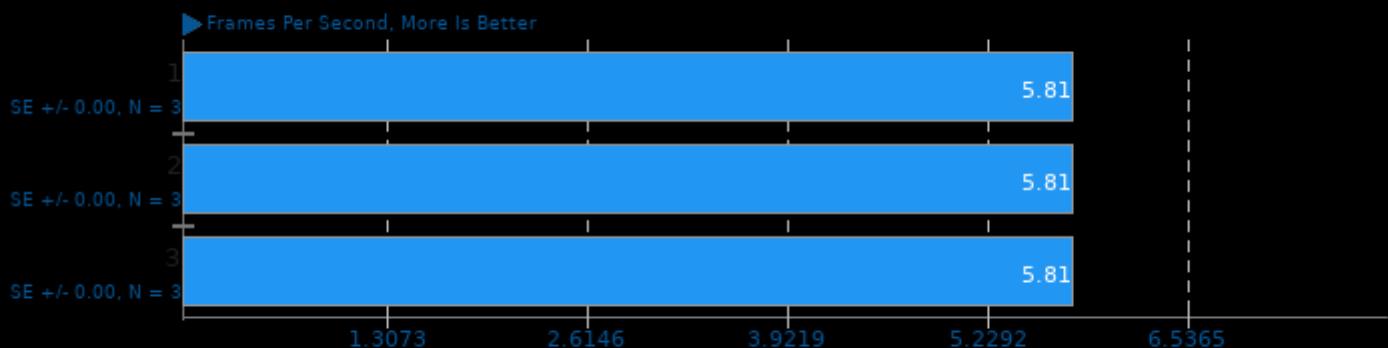
Tuning: 7 - Input: Bosphorus 1080p



1. (CC) gcc options: -fPIE -fPIC -O3 -O2 -pie -rdynamic -lpthread -lrt

SVT-HEVC 1.5.0

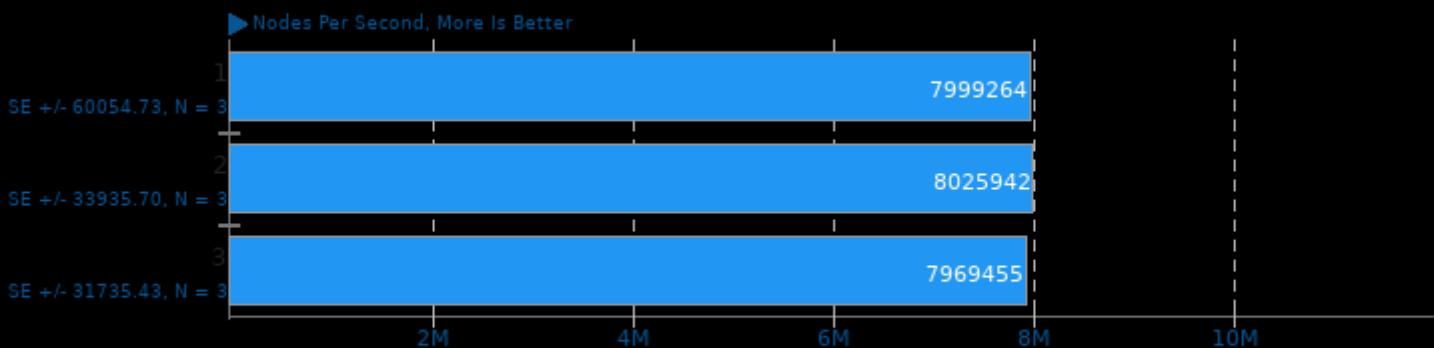
Tuning: 10 - Input: Bosphorus 1080p



1. (CC) gcc options: -fPIE -fPIC -O3 -O2 -pie -rdynamic -lpthread -lrt

Stockfish 13

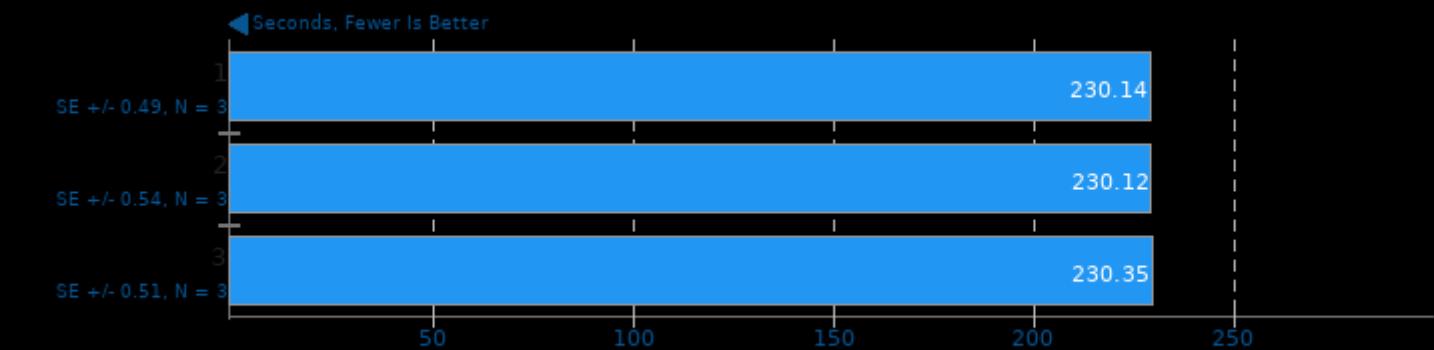
Total Time



1. (CXX) g++ options: -lgcov -m64 -lpthread -fno-exceptions -std=c++17 -fprofile-use -fno-peel-loops -fno-tracer -pedantic -O3 -msse -msse3 -mpopcnt -

libavif avifenc 0.9.0

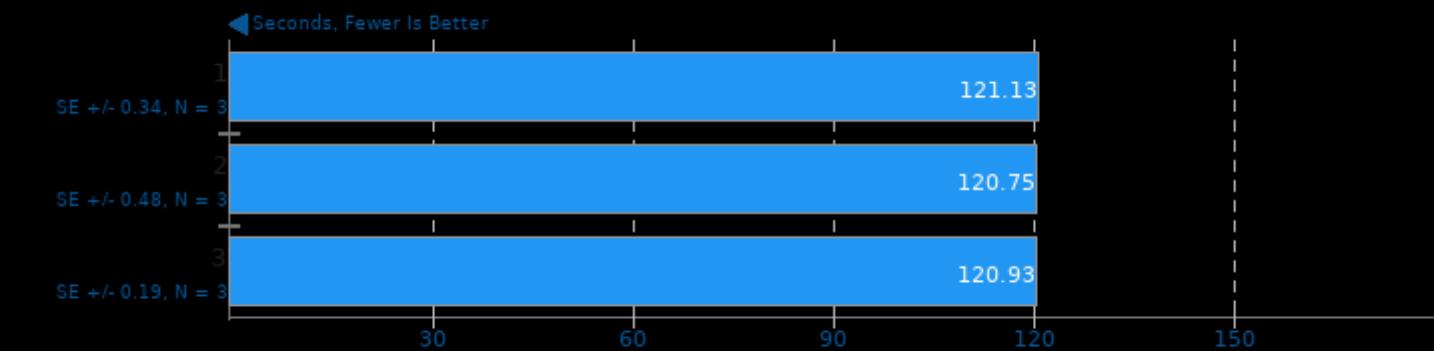
Encoder Speed: 0



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

libavif avifenc 0.9.0

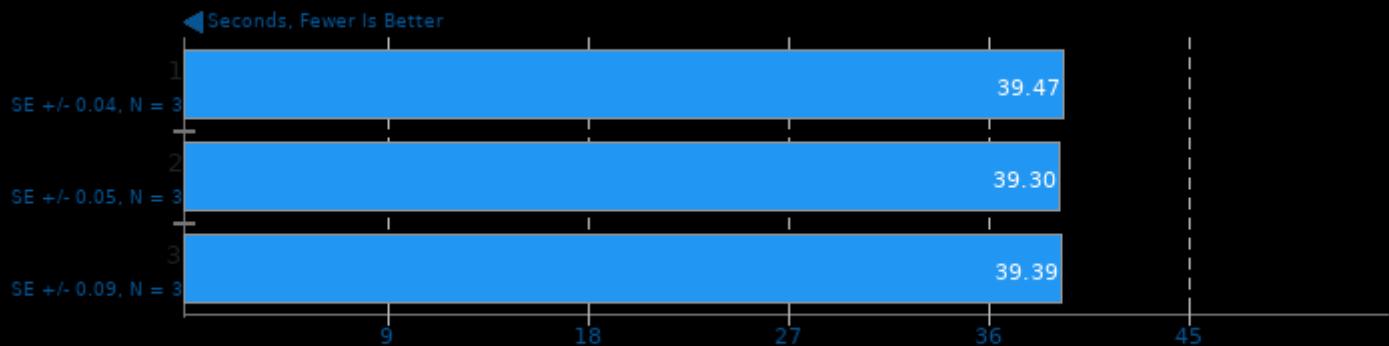
Encoder Speed: 2



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

libavif avifenc 0.9.0

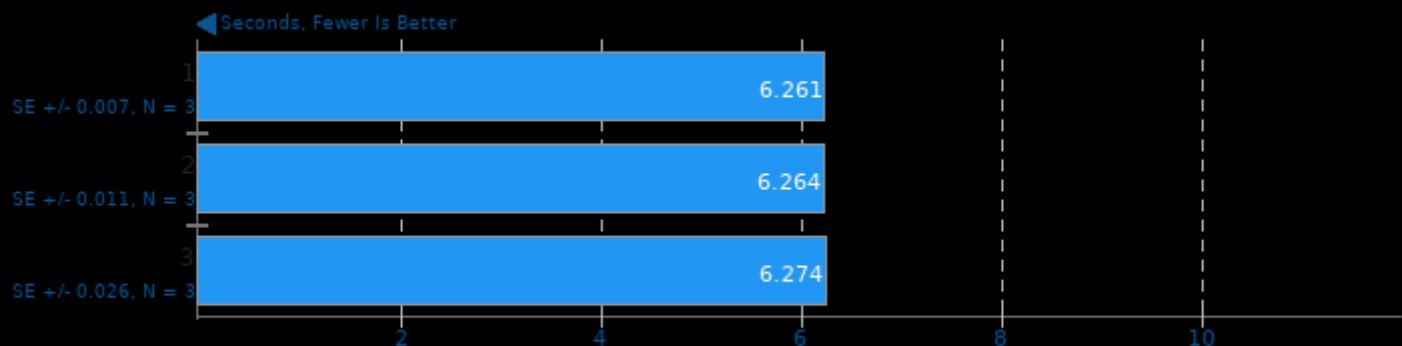
Encoder Speed: 6



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

libavif avifenc 0.9.0

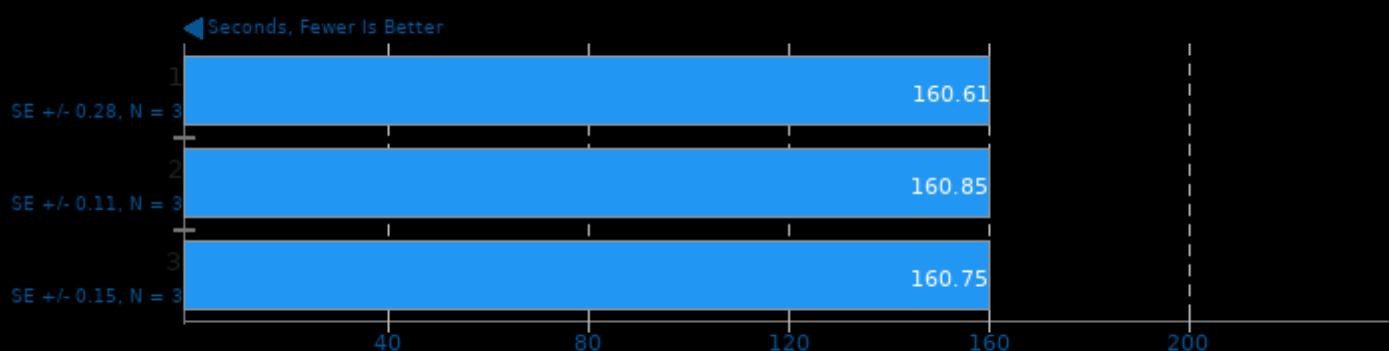
Encoder Speed: 10



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

libavif avifenc 0.9.0

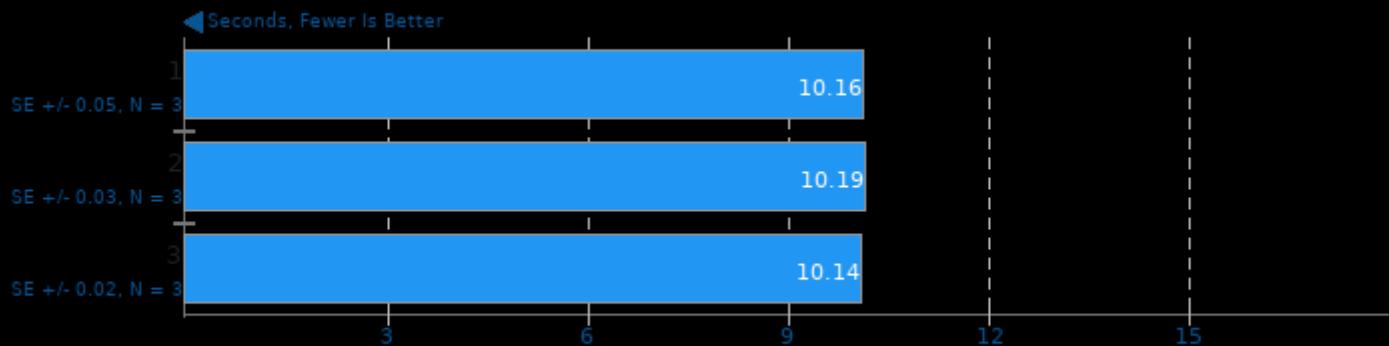
Encoder Speed: 6, Lossless



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

libavif avifenc 0.9.0

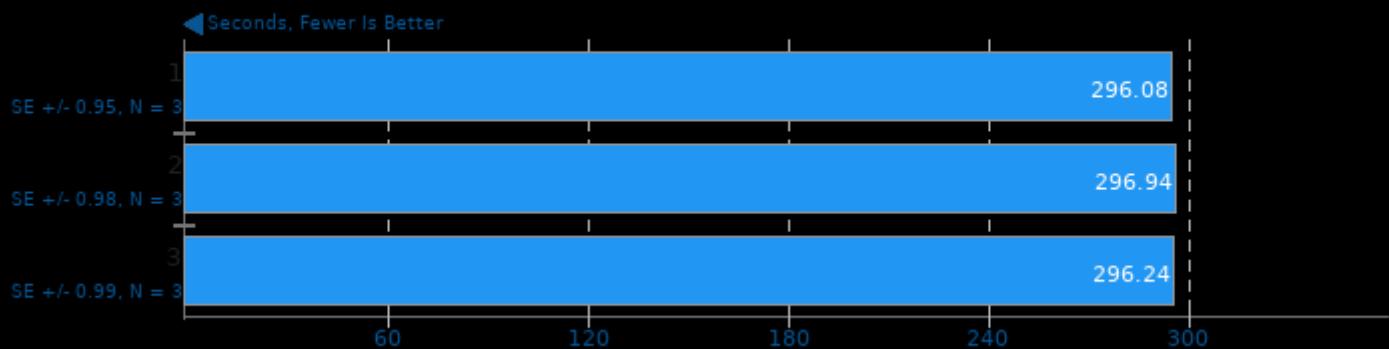
Encoder Speed: 10, Lossless



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

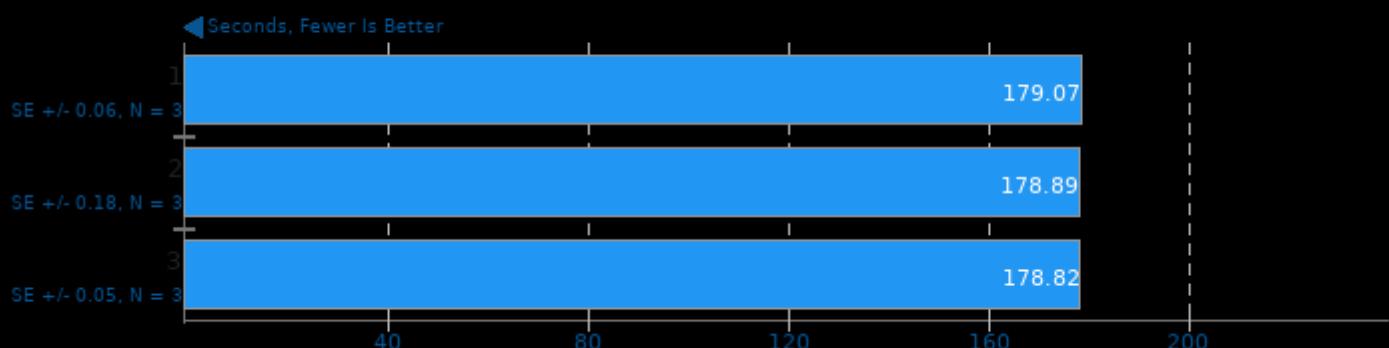
Timed Linux Kernel Compilation 5.10.20

Time To Compile



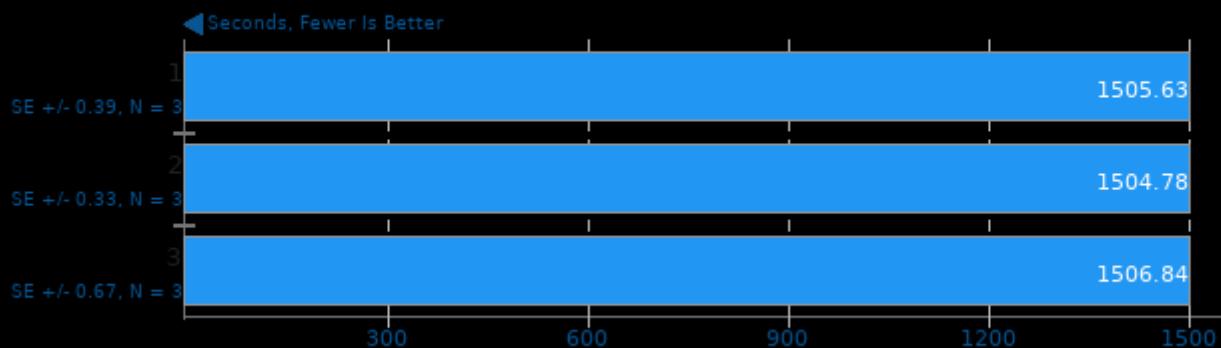
Timed Mesa Compilation 21.0

Time To Compile



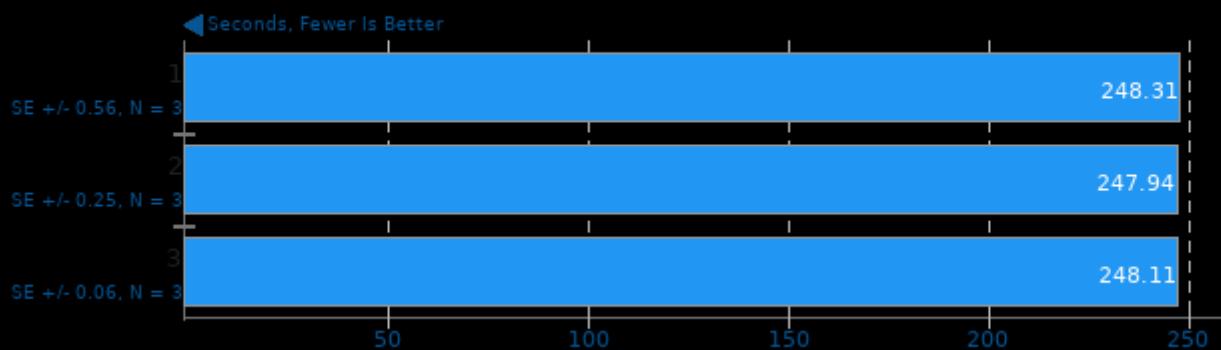
Timed Node.js Compilation 15.11

Time To Compile



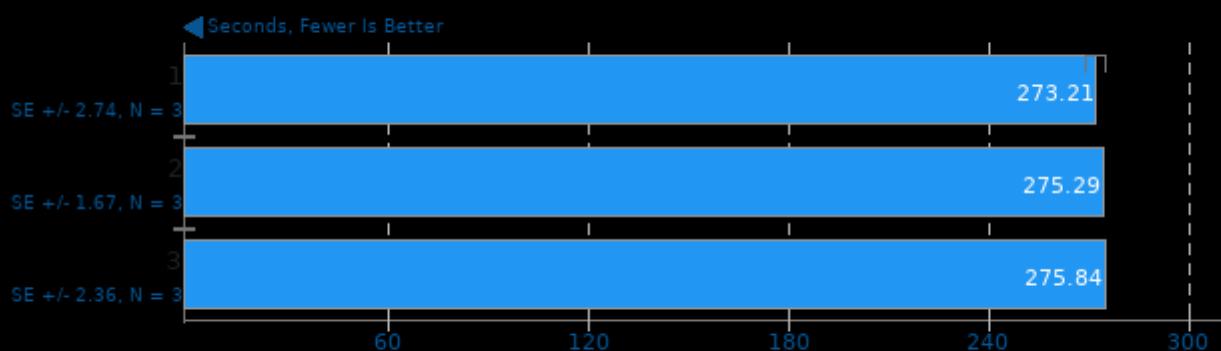
Timed Erlang/OTP Compilation 23.2

Time To Compile



Timed Wasmer Compilation 1.0.2

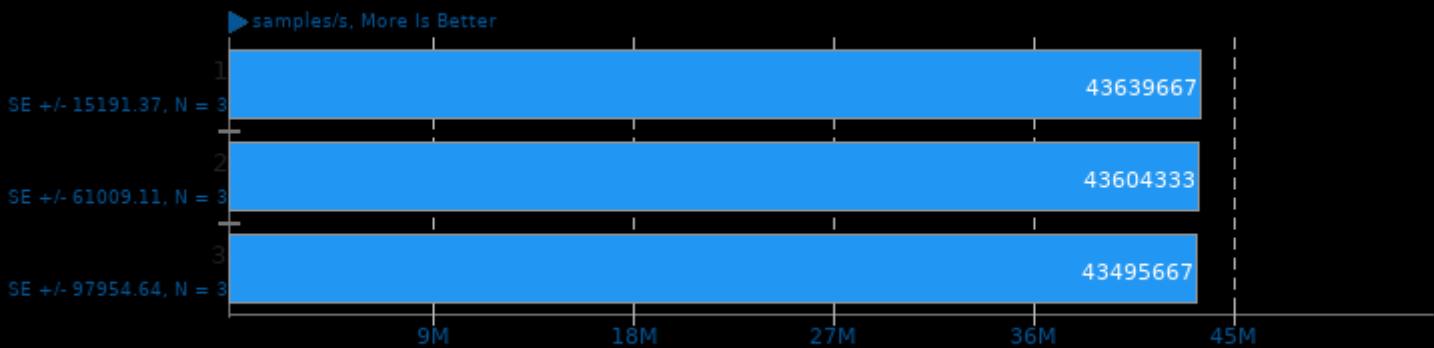
Time To Compile



1. (CC) gcc options: -m64 -pie -nodefaultlibs -ldl -lrt -lpthread -lgcc_s -lc -lm -util

Liquid-DSP 2021.01.31

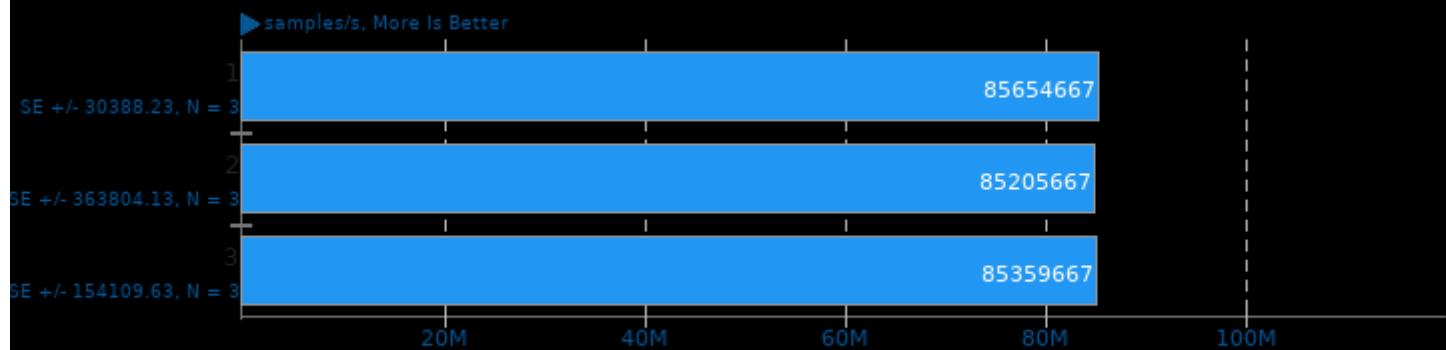
Threads: 1 - Buffer Length: 256 - Filter Length: 57



1. (CC) gcc options: -O3 -pthread -lm -lc -lliquid

Liquid-DSP 2021.01.31

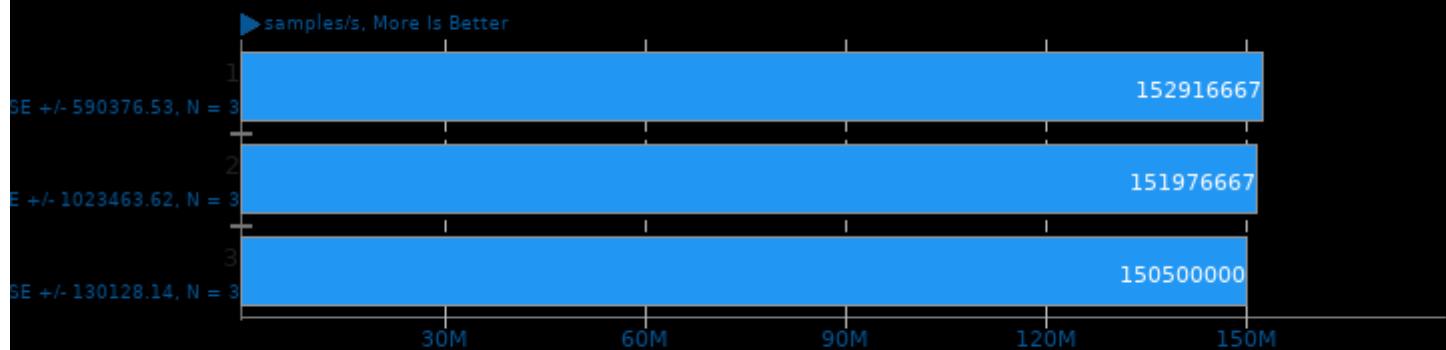
Threads: 2 - Buffer Length: 256 - Filter Length: 57



1. (CC) gcc options: -O3 -pthread -lm -lc -lliquid

Liquid-DSP 2021.01.31

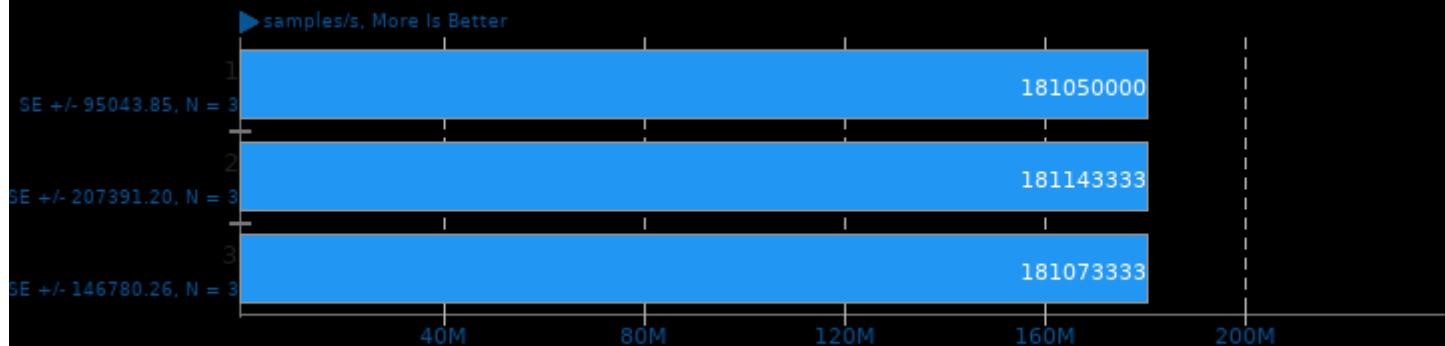
Threads: 4 - Buffer Length: 256 - Filter Length: 57



1. (CC) gcc options: -O3 -pthread -lm -lc -lliquid

Liquid-DSP 2021.01.31

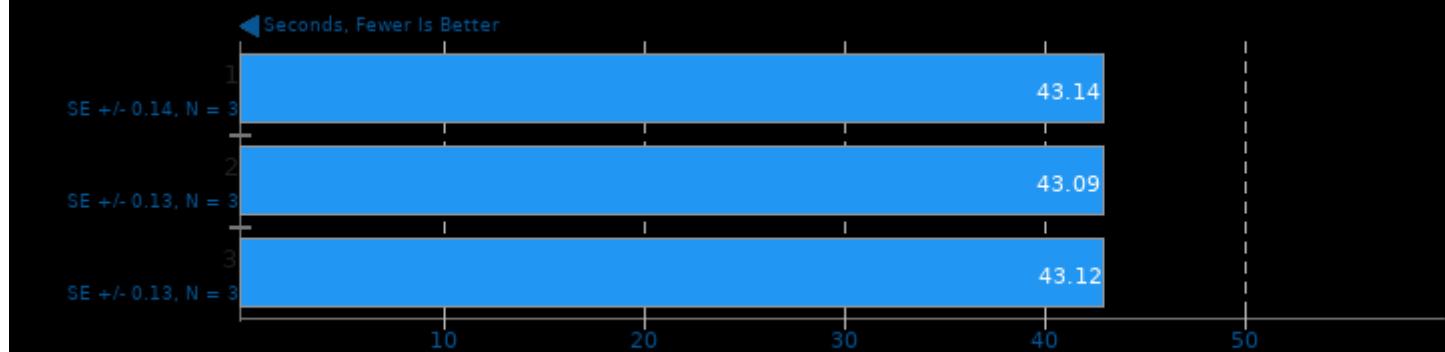
Threads: 8 - Buffer Length: 256 - Filter Length: 57



1. (CC) gcc options: -O3 -pthread -lm -lc -lliquid

Basis Universal 1.13

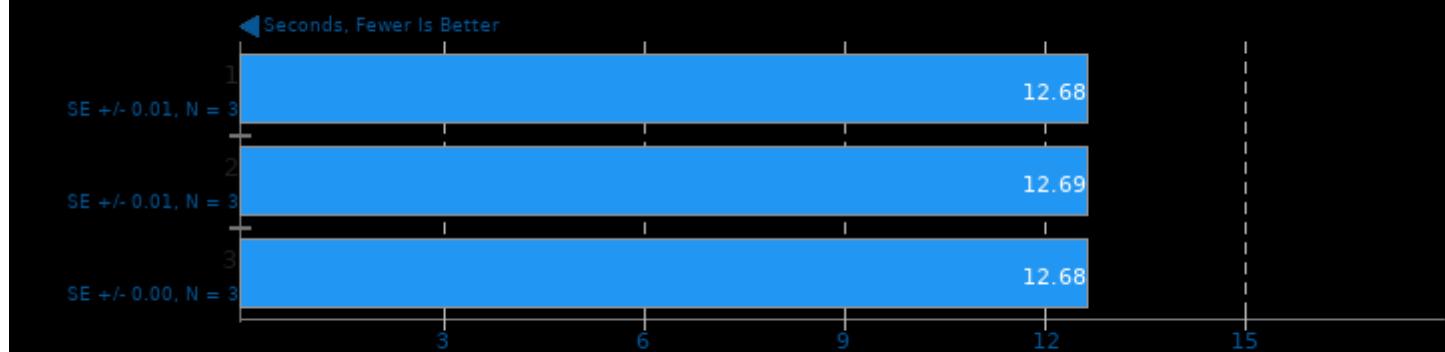
Settings: ETC1S



1. (CXX) g++ options: -std=c++11 -fvisibility=hidden -fPIC -fno-strict-aliasing -O3 -rdynamic -lm -lpthread

Basis Universal 1.13

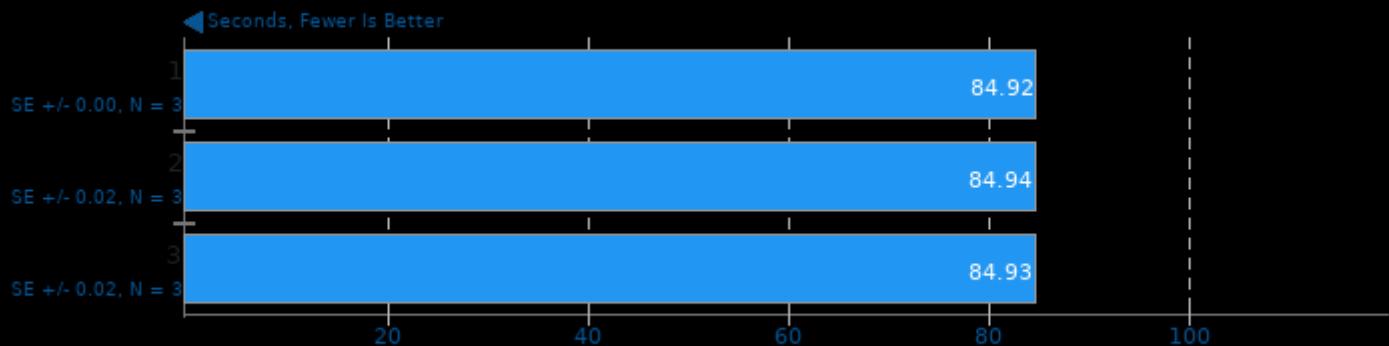
Settings: UASTC Level 0



1. (CXX) g++ options: -std=c++11 -fvisibility=hidden -fPIC -fno-strict-aliasing -O3 -rdynamic -lm -lpthread

Basis Universal 1.13

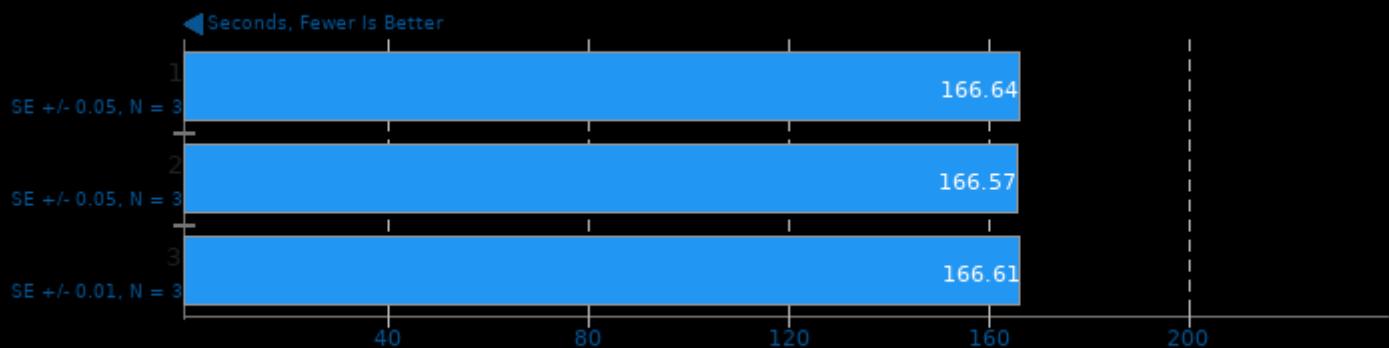
Settings: UASTC Level 2



1. (CXX) g++ options: -std=c++11 -fvisibility=hidden -fPIC -fno-strict-aliasing -O3 -rdynamic -lm -lpthread

Basis Universal 1.13

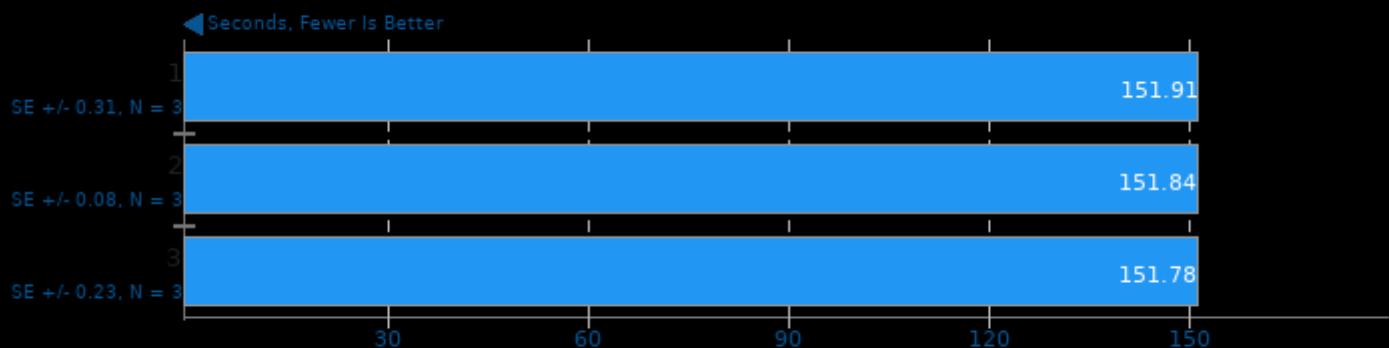
Settings: UASTC Level 3



1. (CXX) g++ options: -std=c++11 -fvisibility=hidden -fPIC -fno-strict-aliasing -O3 -rdynamic -lm -lpthread

OpenSCAD

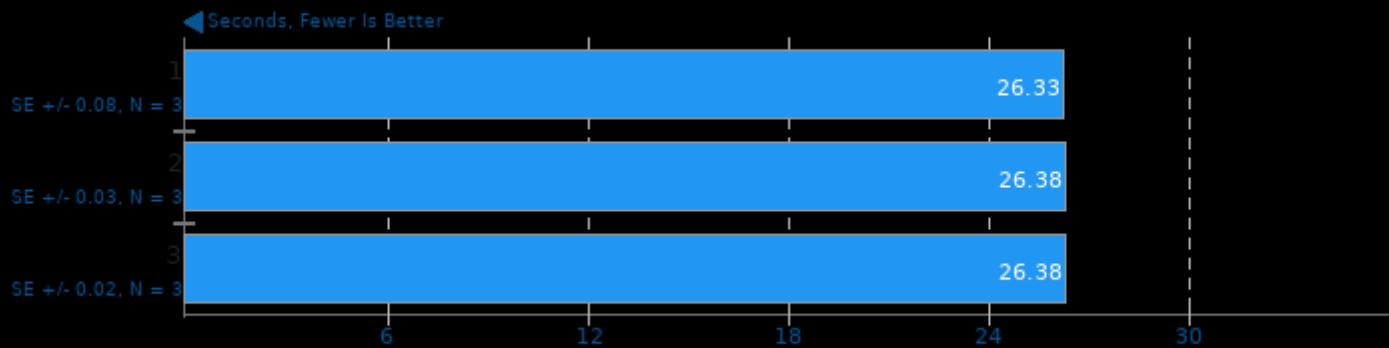
Render: Pistol



1. OpenSCAD version 2019.05

OpenSCAD

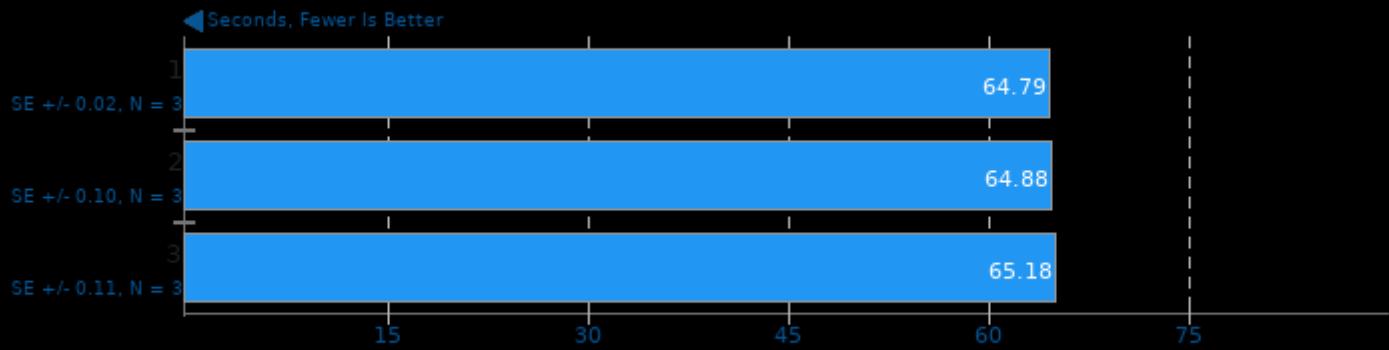
Render: Retro Car



1. OpenSCAD version 2019.05

OpenSCAD

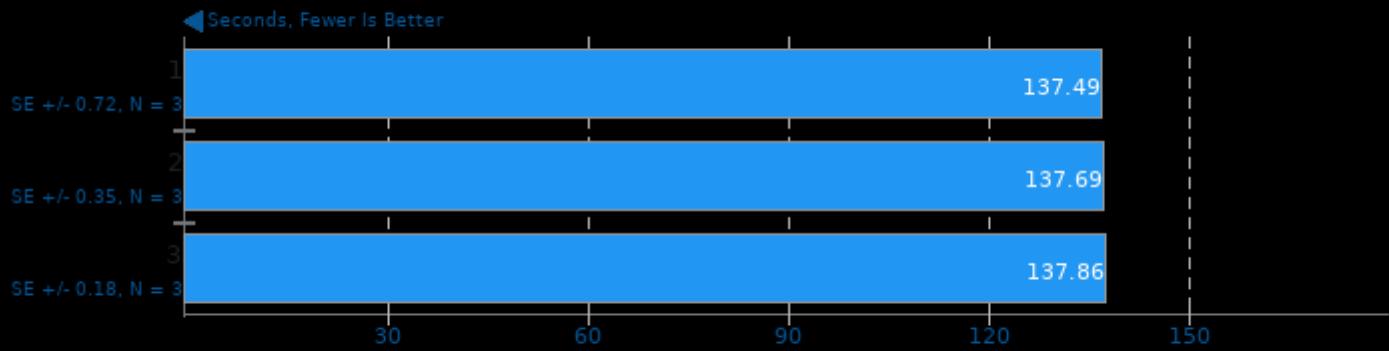
Render: Mini-ITX Case



1. OpenSCAD version 2019.05

OpenSCAD

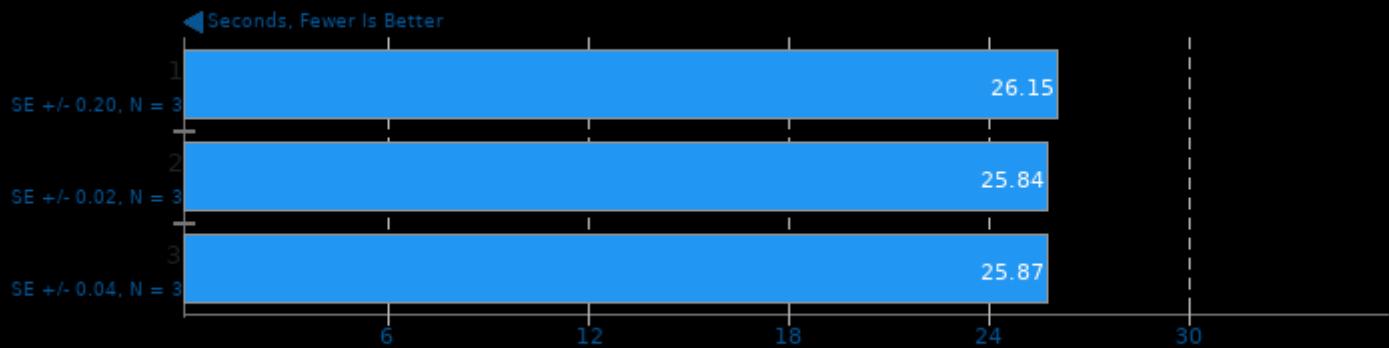
Render: Projector Mount Swivel



1. OpenSCAD version 2019.05

OpenSCAD

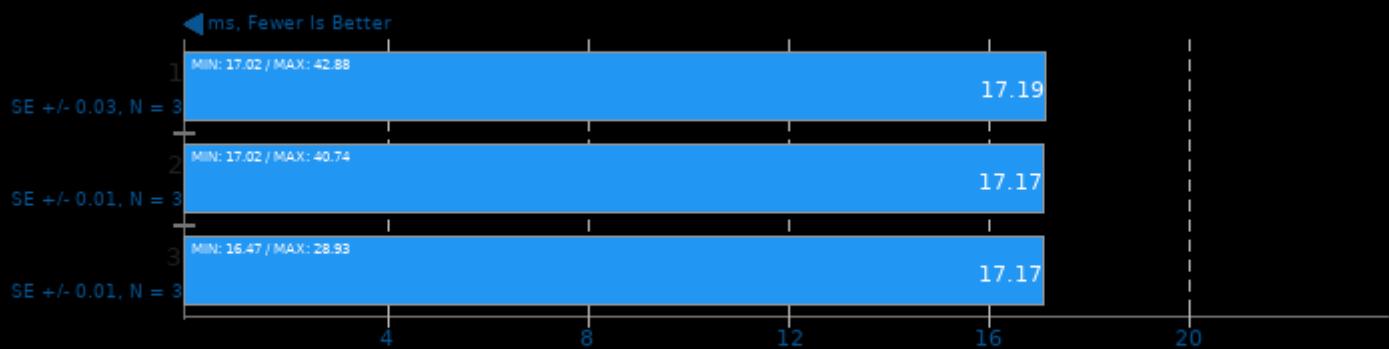
Render: Leonardo Phone Case Slim



1. OpenSCAD version 2019.05

Mobile Neural Network 1.1.3

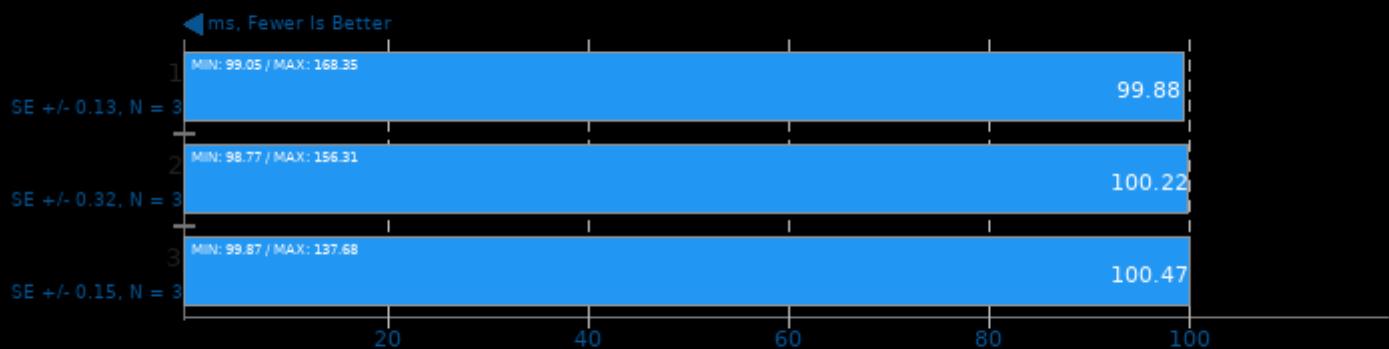
Model: SqueezeNetV1.0



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

Mobile Neural Network 1.1.3

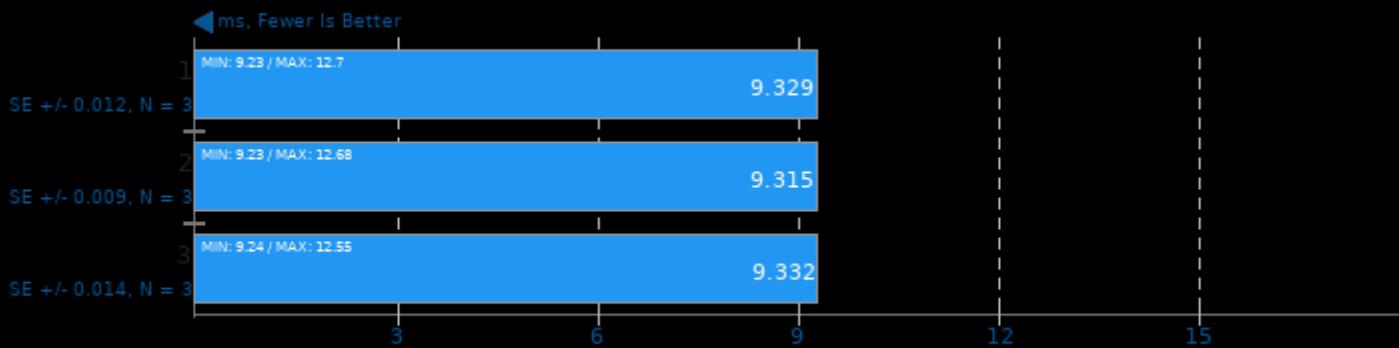
Model: resnet-v2-50



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 1.1.3

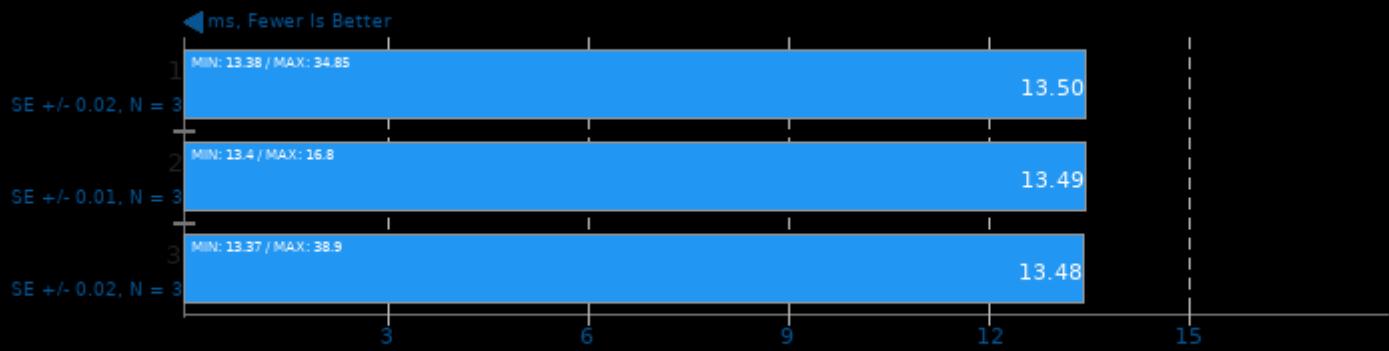
Model: MobileNetV2_224



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

Mobile Neural Network 1.1.3

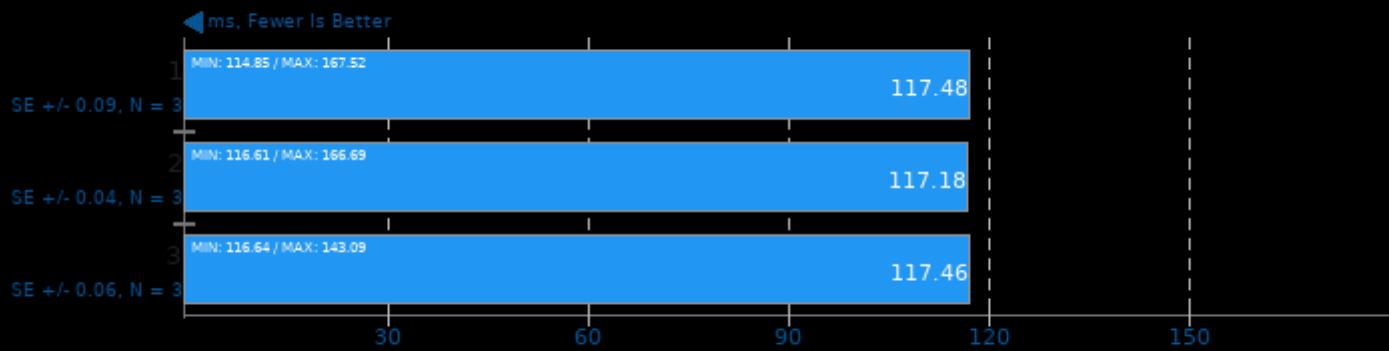
Model: mobilenet-v1-1.0



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

Mobile Neural Network 1.1.3

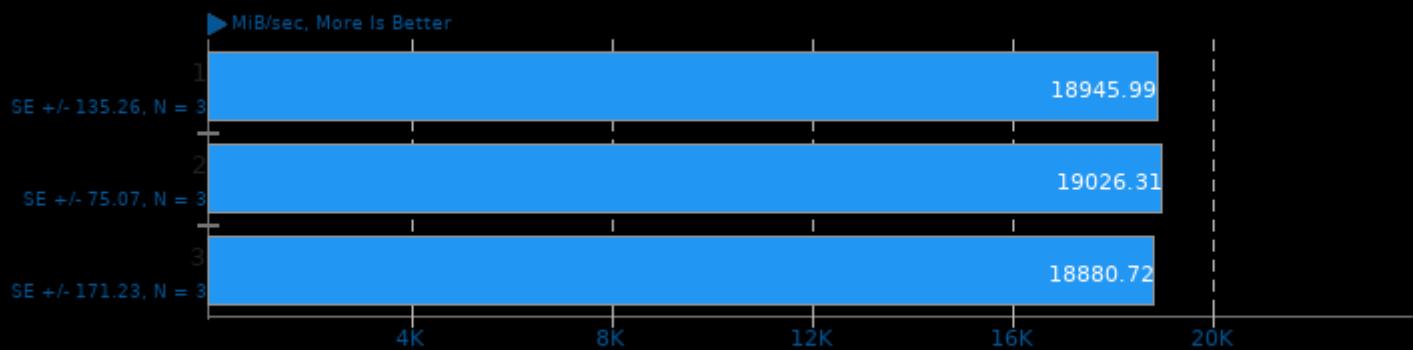
Model: inception-v3



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

Sysbench 1.0.20

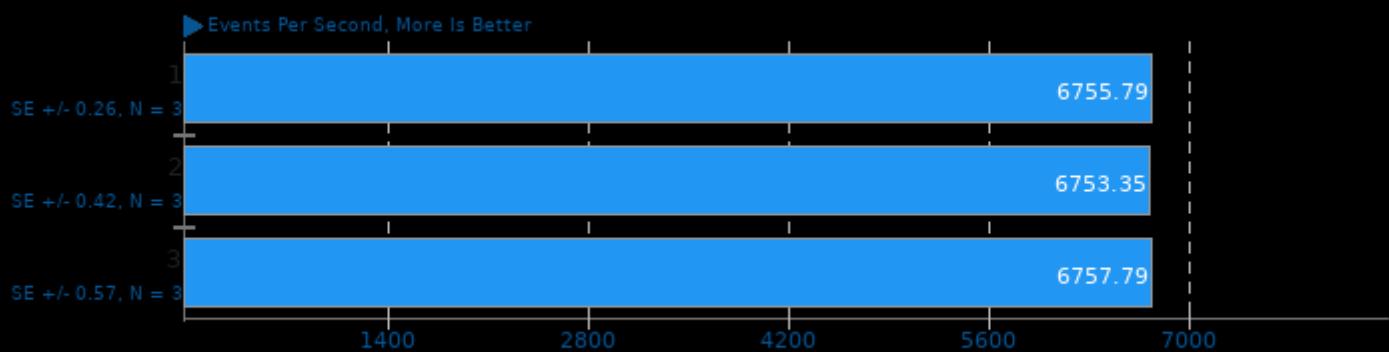
Test: RAM / Memory



1. (CC) gcc options: -pthread -O2 -funroll-loops -rdynamic -ldl -laio -lm

Sysbench 1.0.20

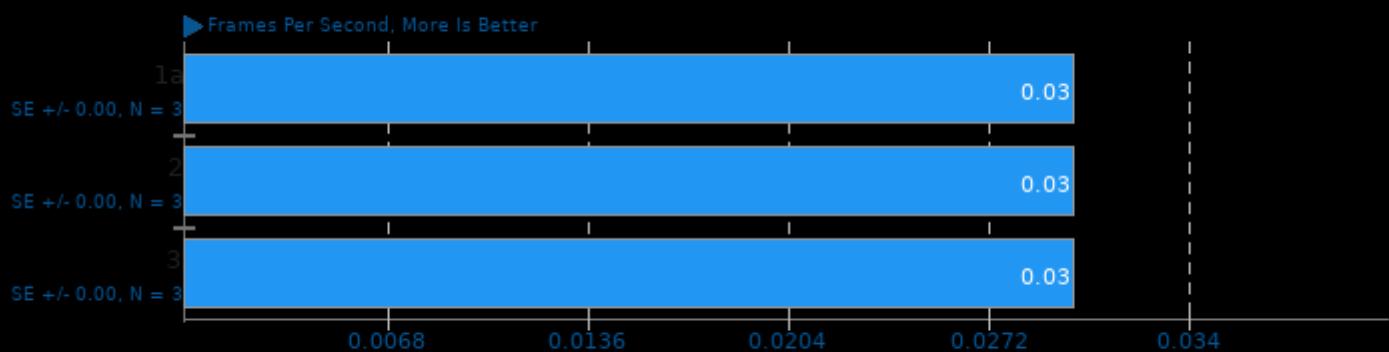
Test: CPU



1. (CC) gcc options: -pthread -O2 -funroll-loops -rdynamic -ldl -laio -lm

AOM AV1 3.0

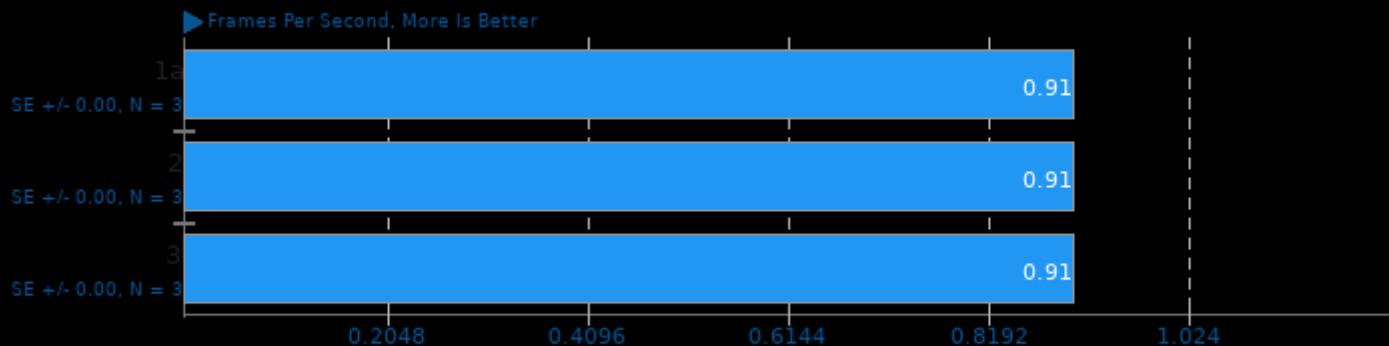
Encoder Mode: Speed 0 Two-Pass - Input: Bosphorus 4K



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

AOM AV1 3.0

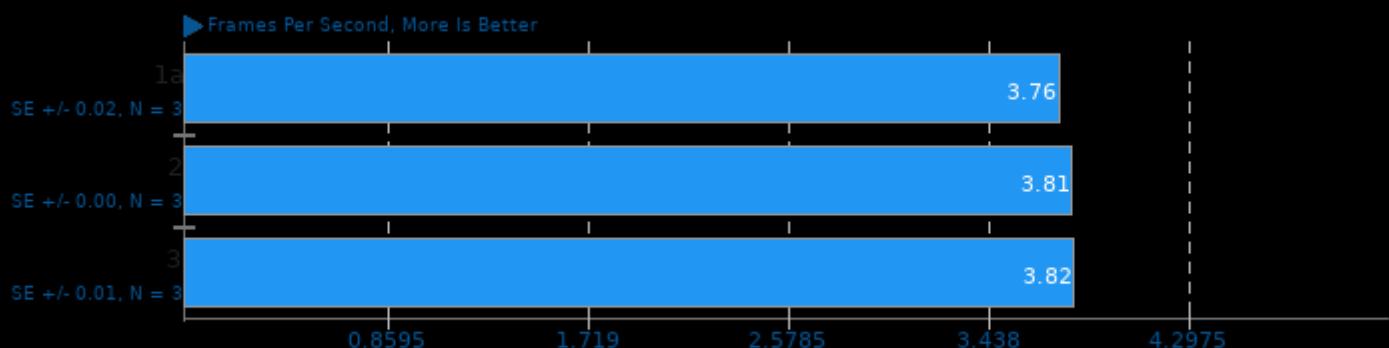
Encoder Mode: Speed 4 Two-Pass - Input: Bosphorus 4K



1. (CXX) g++ options: -O3 -std=c++11 -U_FORTIFY_SOURCE -fPIC -fthreadsafe-statics

AOM AV1 3.0

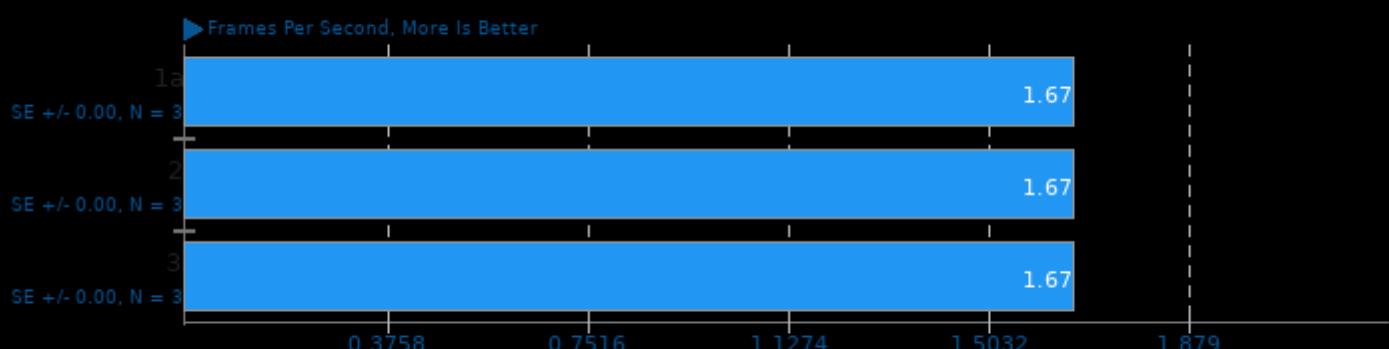
Encoder Mode: Speed 6 Realtime - Input: Bosphorus 4K



1. (CXX) g++ options: -O3 -std=c++11 -U_FORTIFY_SOURCE -fPIC -fthreadsafe-statics

AOM AV1 3.0

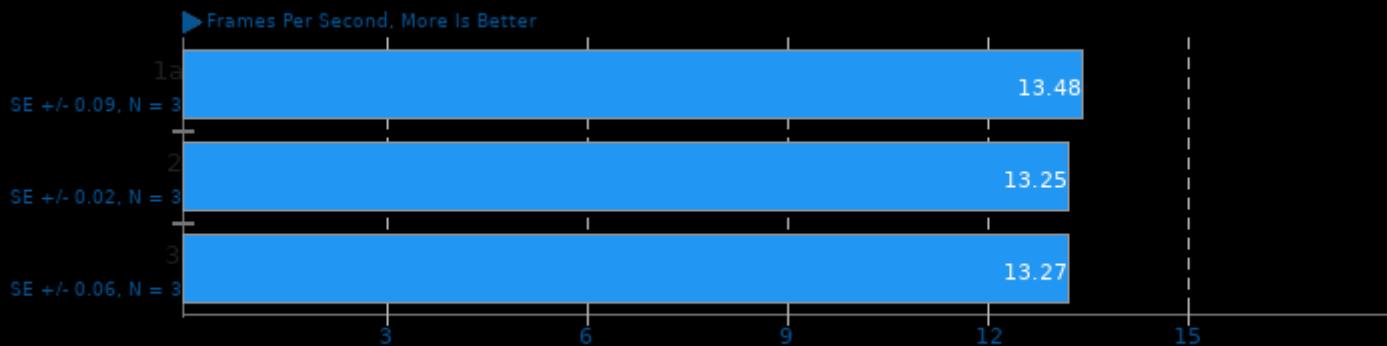
Encoder Mode: Speed 6 Two-Pass - Input: Bosphorus 4K



1. (CXX) g++ options: -O3 -std=c++11 -U_FORTIFY_SOURCE -fPIC -fthreadsafe-statics

AOM AV1 3.0

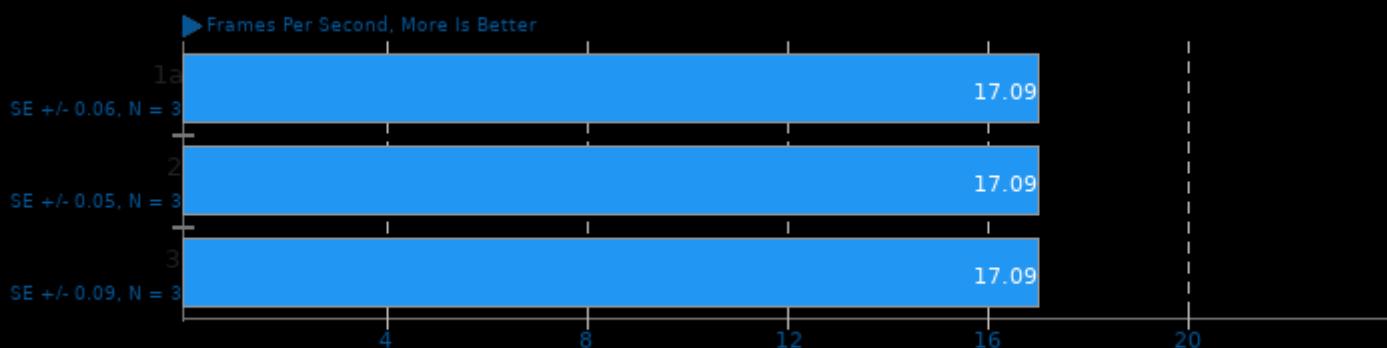
Encoder Mode: Speed 8 Realtime - Input: Bosphorus 4K



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

AOM AV1 3.0

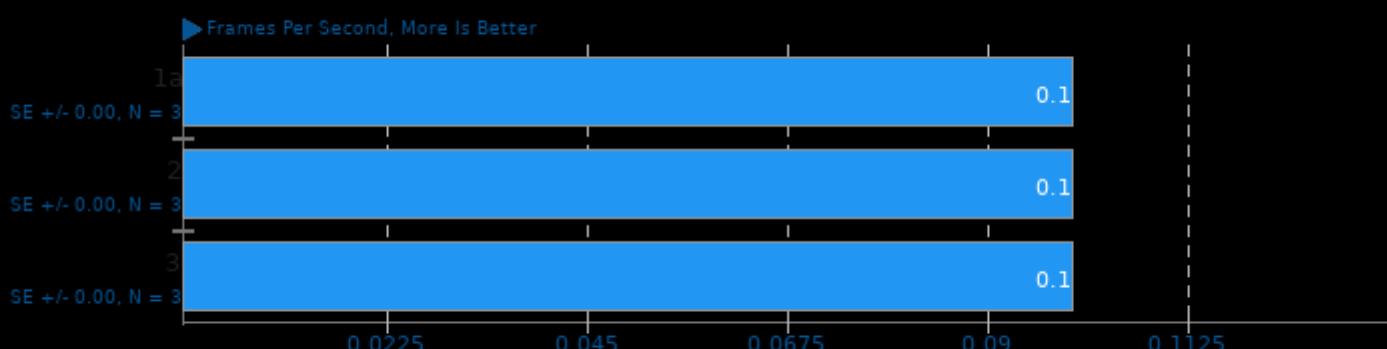
Encoder Mode: Speed 9 Realtime - Input: Bosphorus 4K



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

AOM AV1 3.0

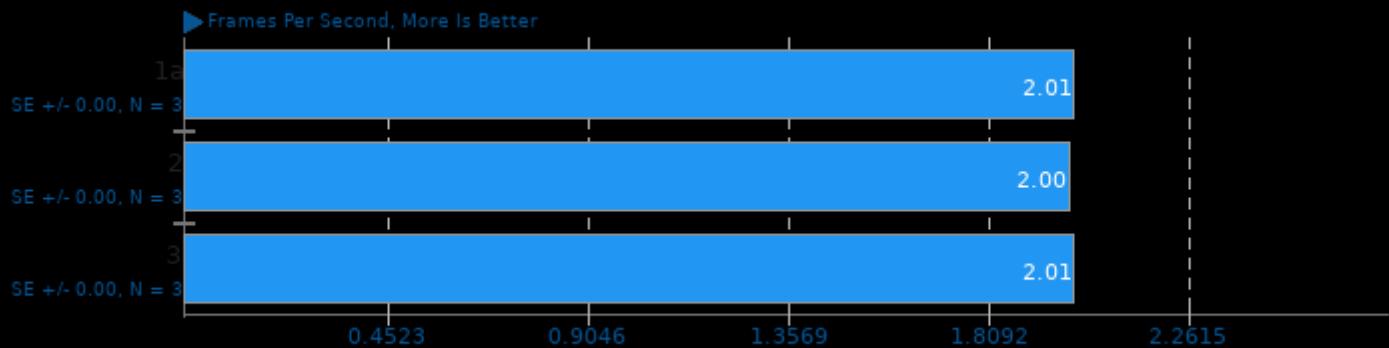
Encoder Mode: Speed 0 Two-Pass - Input: Bosphorus 1080p



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

AOM AV1 3.0

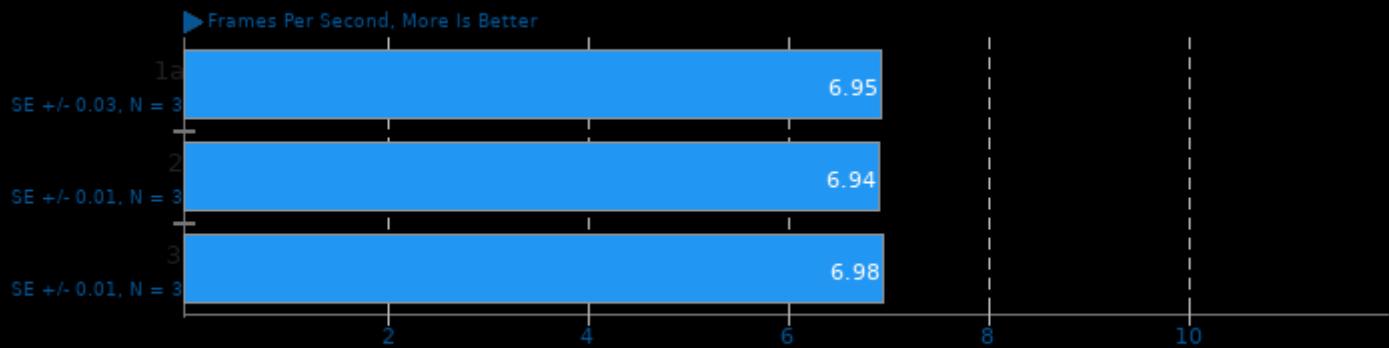
Encoder Mode: Speed 4 Two-Pass - Input: Bosphorus 1080p



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

AOM AV1 3.0

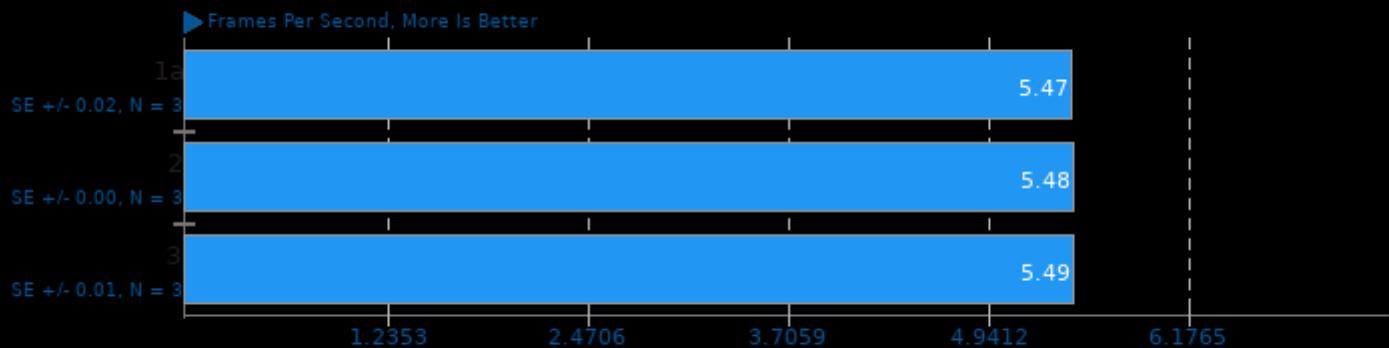
Encoder Mode: Speed 6 Realtime - Input: Bosphorus 1080p



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

AOM AV1 3.0

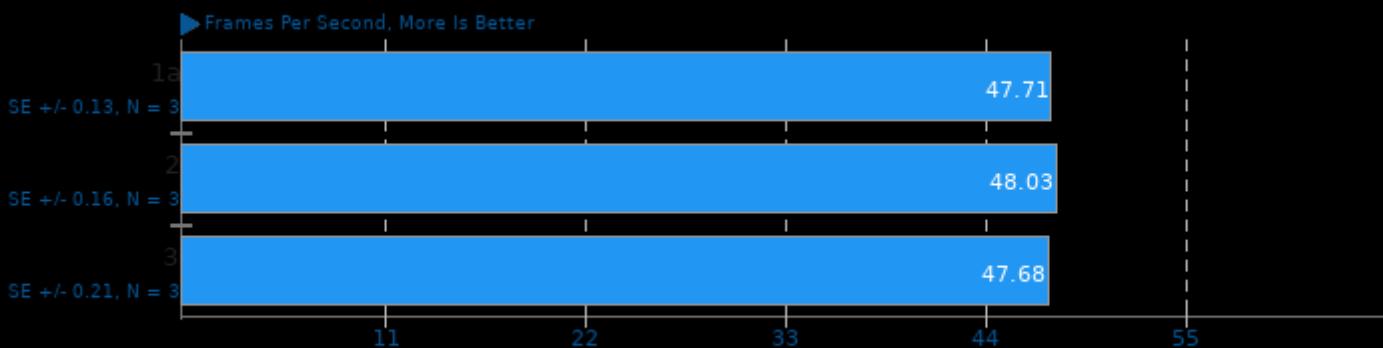
Encoder Mode: Speed 6 Two-Pass - Input: Bosphorus 1080p



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

AOM AV1 3.0

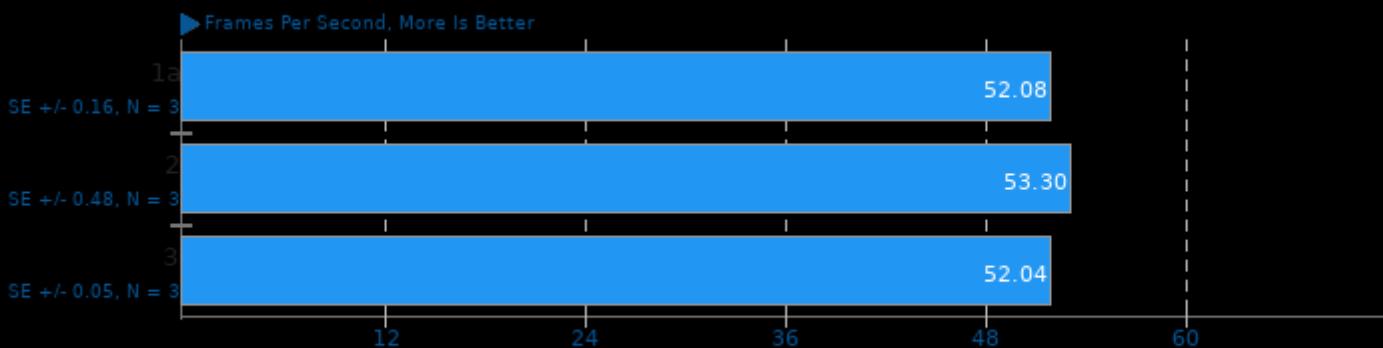
Encoder Mode: Speed 8 Realtime - Input: Bosphorus 1080p



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

AOM AV1 3.0

Encoder Mode: Speed 9 Realtime - Input: Bosphorus 1080p



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

This file was automatically generated via the Phoronix Test Suite benchmarking software on Thursday, 28 March 2024 16:44.