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AMD Ryzen 9 7900X Linux

AMD Ryzen 9 7900X 12-Core testing with a ASRock X670E PG Lightning (1.11 BIOS) and XFX AMD Radeon RX 6400 4GB on Ubuntu 22.10 via the Phoronix Test Suite.

Automated Executive Summary

b had the most wins, coming in first place for 55% of the tests.

Based on the geometric mean of all complete results, the fastest (b) was 1.003x the speed of the slowest (a).

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

Cpuminer-Opt (Algorithm: Blake-2 S) at 1.305x
AOM AV1 (Encoder Mode: Speed 6 Realtime - Input: Bosphorus 1080p) at 1.168x
PostgreSQL (Scaling Factor: 100 - Clients: 50 - Mode: Read Write - Average Latency) at 1.135x
PostgreSQL (Scaling Factor: 100 - Clients: 50 - Mode: Read Write) at 1.134x
Stress-NG (Test: Mutex) at 1.126x
PostgreSQL (Scaling Factor: 100 - Clients: 1 - Mode: Read Only - Average Latency) at 1.125x
srsRAN (Test: 5G PHY_DL_NR Test 52 PRB SISO 64-QAM) at 1.119x
Stress-NG (Test: Socket Activity) at 1.113x
Stress-NG (Test: IO_uring) at 1.107x
JPEG XL Decoding libjxl (CPU Threads: All) at 1.102x.

Test Systems:

a

b

Processor: AMD Ryzen 9 7900X 12-Core @ 5.73GHz (12 Cores / 24 Threads), Motherboard: ASRock X670E PG Lightning (1.11 BIOS), Chipset: AMD Device 14d8, Memory: 32GB, Disk: 1000GB Western Digital WDS100T1X0E-00AFY0, Graphics: XFX AMD Radeon RX 6400 4GB (2320/1000MHz), Audio: AMD Navi 21/23, Monitor: ASUS MG28U, Network: Realtek RTL8125 2.5GbE

OS: Ubuntu 22.10, Kernel: 5.19.0-23-generic (x86_64), Desktop: GNOME Shell 43.0, Display Server: X Server + Wayland, OpenGL: 4.6 Mesa 22.2.1 (LLVM 15.0.2 DRM 3.47), Vulkan: 1.3.224, Compiler: GCC 12.2.0, File-System: ext4, Screen Resolution: 3840x2160

Kernel Notes: Transparent Huge Pages: madvise
Compiler Notes: --build=x86_64-linux-gnu --disable-vtable-verify --disable-werror --enable-cet --enable-checking=release --enable-clocale=gnu --enable-default-pie --enable-gnu-unique-object --enable-languages=c,ada,c++,go,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-defaulted --enable-offload-targets=nvptx-none=/build/gcc-12-U8K4Qv/gcc-12-12.2.0/debian/tmp-nvptx/usr,amdgcn-amdhsa=/build/gcc-12-U8K4Qv/gcc-12-12.2.0/debian/tmp-gcn/usr --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: NONE / errors=remount-ro,relatime,rw / Block Size: 4096
Processor Notes: Scaling Governor: amd-pstate schedutil (Boost: Enabled) - CPU Microcode: 0xa601203
Python Notes: Python 3.10.7
Security Notes: itlb_multihit: Not affected + l1tf: Not affected + mds: Not affected + meltdown: Not affected + mmio_stale_data: Not affected + retbleed: Not affected + spec_store_bypass: Mitigation of SSB disabled via prctl + spectre_v1: Mitigation of usercopy/swapgs barriers and __user pointer sanitization + spectre_v2: Mitigation of Retpolines IBPB: conditional IBRS_FW STIBP: always-on RSB filling PBRSB-eIBRS: Not affected + srbds: Not affected + tsx_async_abort: Not affected

	a	b
Unpacking The Linux Kernel - linux-5.19.tar.xz (sec)	**4.64**	**4.63**
Normalized	99.78%	100%
Stream - Copy (MB/s)	**60213**	**60282**
Normalized	99.89%	100%
Stream - Scale (MB/s)	**39776**	**39743**
Normalized	100%	99.92%
Stream - Triad (MB/s)	**44032**	**44087**
Normalized	99.88%	100%
Stream - Add (MB/s)	**44031**	**43942**
Normalized	100%	99.8%
C-Blosc - blosclz shuffle (MB/s)	**20713**	**21142**
Normalized	97.97%	100%
C-Blosc - blosclz bitshuffle (MB/s)	**11242**	**11490**
Normalized	97.85%	100%
miniBUDE - OpenMP - BM1 (GFInst/s)	**1007**	**1007**
Normalized	99.98%	100%
miniBUDE - OpenMP - BM1 (Billion Interactions/s)	**40.287**	**40.296**
Normalized	99.98%	100%
miniBUDE - OpenMP - BM2 (GFInst/s)	**1024**	**1026**
Normalized	99.81%	100%
miniBUDE - OpenMP - BM2 (Billion Interactions/s)	**40.974**	**41.054**

Normalized	99.81%	100%
SMHasher - wyhash (MiB/sec)	23038	22825
Normalized	100%	99.07%
SMHasher - wyhash (cycles/hash)	19.608	19.924
Normalized	100%	98.41%
SMHasher - SHA3-256 (MiB/sec)	161.66	155.7
Normalized	100%	96.31%
SMHasher - SHA3-256 (cycles/hash)	2499	2530
Normalized	100%	98.76%
SMHasher - Spooky32 (MiB/sec)	15384	15318
Normalized	100%	99.57%
SMHasher - Spooky32 (cycles/hash)	36.371	36.577
Normalized	100%	99.44%
SMHasher - fasthash32 (MiB/sec)	6548	6509
Normalized	100%	99.39%
SMHasher - fasthash32 (cycles/hash)	30.057	30.098
Normalized	100%	99.86%
SMHasher - FarmHash128 (MiB/sec)	15702	15675
Normalized	100%	99.82%
SMHasher - FarmHash128 (cycles/hash)	64.582	64.658
Normalized	100%	99.88%
SMHasher - t1ha2_atonce (MiB/sec)	14944	14999
Normalized	99.63%	100%
SMHasher - t1ha2_atonce (cycles/hash)	27.273	27.237
Normalized	99.87%	100%
SMHasher - F.x.A (MiB/sec)	29551	31037
Normalized	95.21%	100%
SMHasher - F.x.A (cycles/hash)	35.607	34.029
Normalized	95.57%	100%
SMHasher - t.x (MiB/sec)	75924	76015
Normalized	99.88%	100%
SMHasher - t.x (cycles/hash)	27.632	27.511
Normalized	99.56%	100%
SMHasher - M.x.A.N (MiB/sec)	42375	41856
Normalized	100%	98.78%
SMHasher - M.x.A.N (cycles/hash)	57.823	58.316
Normalized	100%	99.15%
nekRS - TurboPipe Periodic (FLOP/s)	64871200000	65118300000
Normalized	99.62%	100%
OpenFOAM - d.S.M.S - Mesh Time (sec)	25.203143	25.805769
Normalized	100%	97.66%
OpenFOAM - d.S.M.S - Execution Time (sec)	178.55423	176.08591
Normalized	98.62%	100%
OpenFOAM - d.M.M.S - Mesh Time (sec)	205.73347	209.58637
Normalized	100%	98.16%
OpenFOAM - d.M.M.S - Execution Time (sec)	2218	2222
Normalized	100%	99.8%
OpenRadioss - Bumper Beam (sec)	100.34	100.56
Normalized	100%	99.78%
OpenRadioss - C.P.D.T (sec)	66.53	66.45
Normalized	99.88%	100%
OpenRadioss - B.S.o.W (sec)	193.52	192.08
Normalized	99.26%	100%

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OpenRadioss - R.O.R.S.I (sec)	78.35	77.83
Normalized	99.34%	100%
OpenRadioss - I.a.F.S.I.D.C (sec)	337.94	338.61
Normalized	100%	99.8%
Xmrig - Monero - 1M (H/s)	12605	13239
Normalized	95.21%	100%
Xmrig - Wownero - 1M (H/s)	15467	15523
Normalized	99.64%	100%
JPEG XL libjxl - PNG - 80 (MP/s)	12.02	12.74
Normalized	94.35%	100%
JPEG XL libjxl - PNG - 90 (MP/s)	11.96	12.67
Normalized	94.4%	100%
JPEG XL libjxl - JPEG - 80 (MP/s)	11.93	12.48
Normalized	95.59%	100%
JPEG XL libjxl - JPEG - 90 (MP/s)	11.78	12.4
Normalized	95%	100%
JPEG XL libjxl - PNG - 100 (MP/s)	1.05	1.03
Normalized	100%	98.1%
JPEG XL libjxl - JPEG - 100 (MP/s)	0.97	0.93
Normalized	100%	95.88%
JPEG XL Decoding libjxl - 1 (MP/s)	68.43	73.37
Normalized	93.27%	100%
JPEG XL Decoding libjxl - All (MP/s)	179.93	198.29
Normalized	90.74%	100%
srsRAN - OFDM_Test (Samples / Second)	222900000	225000000
Normalized	99.07%	100%
srsRAN - 4.P.1.P.M.6.Q (eNb Mb/s)	603.1	611.3
Normalized	98.66%	100%
srsRAN - 4.P.1.P.M.6.Q (UE Mb/s)	227.6	231.2
Normalized	98.44%	100%
srsRAN - 4.P.1.P.S.6.Q (eNb Mb/s)	601.3	598.7
Normalized	100%	99.57%
srsRAN - 4.P.1.P.S.6.Q (UE Mb/s)	239.2	242.4
Normalized	98.68%	100%
srsRAN - 4.P.1.P.M.2.Q (eNb Mb/s)	626.3	668.5
Normalized	93.69%	100%
srsRAN - 4.P.1.P.M.2.Q (UE Mb/s)	239.3	249.1
Normalized	96.07%	100%
srsRAN - 4.P.1.P.S.2.Q (eNb Mb/s)	650.9	643.9
Normalized	100%	98.92%
srsRAN - 4.P.1.P.S.2.Q (UE Mb/s)	251	251
srsRAN - 5.P.T.5.P.S.6.Q (eNb Mb/s)	200.6	200.8
Normalized	99.9%	100%
srsRAN - 5.P.T.5.P.S.6.Q (UE Mb/s)	122.9	137.5
Normalized	89.38%	100%
QuadRay - 1 - 4K (FPS)	19.81	20
Normalized	99.05%	100%
QuadRay - 2 - 4K (FPS)	5.52	5.62
Normalized	98.22%	100%
QuadRay - 3 - 4K (FPS)	4.83	4.84
Normalized	99.79%	100%
QuadRay - 5 - 4K (FPS)	1.44	1.55
Normalized	92.9%	100%

QuadRay - 1 - 1080p (FPS)	76.23	76.57
Normalized	99.56%	100%
QuadRay - 2 - 1080p (FPS)	20.95	21.31
Normalized	98.31%	100%
QuadRay - 3 - 1080p (FPS)	18.52	18.55
Normalized	99.84%	100%
QuadRay - 5 - 1080p (FPS)	5.71	5.96
Normalized	95.81%	100%
AOM AV1 - Speed 0 Two-Pass - Bosphorus 4K (FPS)	0.35	0.36
Normalized	97.22%	100%
AOM AV1 - Speed 4 Two-Pass - Bosphorus 4K (FPS)	10.08	10.14
Normalized	99.41%	100%
AOM AV1 - Speed 6 Realtime - Bosphorus 4K (FPS)	35.96	37.19
Normalized	96.69%	100%
AOM AV1 - Speed 6 Two-Pass - Bosphorus 4K (FPS)	17.6	17.83
Normalized	98.71%	100%
AOM AV1 - Speed 8 Realtime - Bosphorus 4K (FPS)	51.88	54.63
Normalized	94.97%	100%
AOM AV1 - Speed 9 Realtime - Bosphorus 4K (FPS)	68.39	72.65
Normalized	94.14%	100%
AOM AV1 - Speed 10 Realtime - Bosphorus 4K (FPS)	69.66	73.51
Normalized	94.76%	100%
AOM AV1 - Speed 0 Two-Pass - Bosphorus 1080p	1.01	1.01
AOM AV1 - Speed 4 Two-Pass - Bosphorus 1080p	19.19	19.23
Normalized	99.79%	100%
AOM AV1 - Speed 6 Realtime - Bosphorus 1080p	66.86	78.1
Normalized	85.61%	100%
AOM AV1 - Speed 6 Two-Pass - Bosphorus 1080p	44.2	44.39
Normalized	99.57%	100%
AOM AV1 - Speed 8 Realtime - Bosphorus 1080p	119.52	124.05
Normalized	96.35%	100%
AOM AV1 - Speed 9 Realtime - Bosphorus 1080p	148.98	148.57
Normalized	100%	99.72%
AOM AV1 - Speed 10 Realtime - Bosphorus 1080p	150.63	153.13
Normalized	98.37%	100%
7-Zip Compression - Compression Rating (MIPS)	154326	154559
Normalized	99.85%	100%
7-Zip Compression - D.R (MIPS)	136525	136291
Normalized	100%	99.83%
libavif avifenc - 0 (sec)	84.035	84.756
Normalized	100%	99.15%
libavif avifenc - 2 (sec)	41.365	42.38
Normalized	100%	97.61%
libavif avifenc - 6 (sec)	3.769	3.736
Normalized	99.12%	100%
libavif avifenc - 6, Lossless (sec)	6.224	6.315
Normalized	100%	98.56%
libavif avifenc - 10, Lossless (sec)	3.535	3.543
Normalized	100%	99.77%
Timed Node.js Compilation - Time To Compile (sec)	314.638	312.035
Normalized	99.17%	100%
Timed PHP Compilation - Time To Compile (sec)	39.368	39.473
Normalized	100%	99.73%

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Timed CPython Compilation - Default (sec)	13.037	13.14
Normalized	100%	99.22%
Timed CPython Compilation - R.B.P.L.O (sec)	183.357	182.609
Normalized	99.59%	100%
Y-Cruncher - 1B (sec)	21.889	21.881
Normalized	99.96%	100%
Y-Cruncher - 500M (sec)	10.28	10.225
Normalized	99.46%	100%
oneDNN - IP Shapes 1D - f32 - CPU (ms)	2.20161	2.2027
Normalized	100%	99.95%
oneDNN - IP Shapes 3D - f32 - CPU (ms)	3.2857	3.27851
Normalized	99.78%	100%
oneDNN - IP Shapes 1D - u8s8f32 - CPU (ms)	0.521835	0.496825
Normalized	95.21%	100%
oneDNN - IP Shapes 3D - u8s8f32 - CPU (ms)	0.337307	0.369351
Normalized	100%	91.32%
oneDNN - IP Shapes 1D - bf16bf16bf16 - CPU (ms)	0.973041	0.989482
Normalized	100%	98.34%
oneDNN - IP Shapes 3D - bf16bf16bf16 - CPU (ms)	1.52187	1.5797
Normalized	100%	96.34%
oneDNN - C.B.S.A - f32 - CPU (ms)	5.75764	5.75116
Normalized	99.89%	100%
oneDNN - D.B.s - f32 - CPU (ms)	4.04957	3.91733
Normalized	96.73%	100%
oneDNN - D.B.s - f32 - CPU (ms)	3.11616	3.11582
Normalized	99.99%	100%
oneDNN - C.B.S.A - u8s8f32 - CPU (ms)	5.38305	5.38606
Normalized	100%	99.94%
oneDNN - D.B.s - u8s8f32 - CPU (ms)	0.547255	0.54655
Normalized	99.87%	100%
oneDNN - D.B.s - u8s8f32 - CPU (ms)	0.789632	0.763137
Normalized	96.64%	100%
oneDNN - R.N.N.T - f32 - CPU (ms)	1465	1462
Normalized	99.83%	100%
oneDNN - R.N.N.I - f32 - CPU (ms)	751.24	749.215
Normalized	99.73%	100%
oneDNN - R.N.N.T - u8s8f32 - CPU (ms)	1469	1462
Normalized	99.5%	100%
oneDNN - C.B.S.A - bf16bf16bf16 - CPU (ms)	1.8424	1.83776
Normalized	99.75%	100%
oneDNN - D.B.s - bf16bf16bf16 - CPU (ms)	5.19899	5.19599
Normalized	99.94%	100%
oneDNN - D.B.s - bf16bf16bf16 - CPU (ms)	1.85387	1.85422
Normalized	100%	99.98%
oneDNN - R.N.N.I - u8s8f32 - CPU (ms)	749.498	748.408
Normalized	99.85%	100%
oneDNN - M.M.B.S.T - f32 - CPU (ms)	0.553097	0.553435
Normalized	100%	99.94%
oneDNN - R.N.N.T - bf16bf16bf16 - CPU (ms)	1461	1468
Normalized	100%	99.54%
oneDNN - R.N.N.I - bf16bf16bf16 - CPU (ms)	749.601	749.088
Normalized	99.93%	100%
oneDNN - M.M.B.S.T - u8s8f32 - CPU (ms)	0.179975	0.179875

Normalized	99.94%	100%
oneDNN - M.M.B.S.T - bf16bf16bf16 - CPU (ms)	**0.293989**	**0.293853**
Normalized	99.95%	100%
Timed Erlang/OTP Compilation - Time To Compile	**65.646**	**64.454**
Normalized	98.18%	100%
Timed Wasmer Compilation - Time To Compile (sec)	**35.704**	**35.917**
Normalized	100%	99.41%
FLAC Audio Encoding - WAV To FLAC (sec)	**11.732**	**11.79**
Normalized	100%	99.51%
FFmpeg - libx264 - Live (sec)	**16.865922261**	**16.89**
Normalized	100%	99.86%
FFmpeg - libx264 - Live (FPS)	**299.42**	**298.97**
Normalized	100%	99.85%
FFmpeg - libx265 - Live (sec)	**44.02**	**43.93**
Normalized	99.8%	100%
FFmpeg - libx265 - Live (FPS)	**114.72**	**114.97**
Normalized	99.78%	100%
FFmpeg - libx264 - Upload (sec)	**139.275300113**	**139.66**
Normalized	100%	99.72%
FFmpeg - libx264 - Upload (FPS)	**18.13**	**18.08**
Normalized	100%	99.72%
FFmpeg - libx265 - Upload (sec)	**113.65**	**113.360639293**
Normalized	99.75%	100%
FFmpeg - libx265 - Upload (FPS)	**22.22**	**22.27**
Normalized	99.78%	100%
FFmpeg - libx264 - Platform (sec)	**109.552711309**	**109.10**
Normalized	99.59%	100%
FFmpeg - libx264 - Platform (FPS)	**69.14**	**69.43**
Normalized	99.58%	100%
FFmpeg - libx265 - Platform (sec)	**169.47**	**167.5404742**
Normalized	98.86%	100%
FFmpeg - libx265 - Platform (FPS)	**44.70**	**45.21**
Normalized	98.87%	100%
FFmpeg - libx264 - Video On Demand (sec)	**109.33**	**110.05**
Normalized	100%	99.35%
FFmpeg - libx264 - Video On Demand (FPS)	**69.28**	**68.83**
Normalized	100%	99.35%
FFmpeg - libx265 - Video On Demand (sec)	**168.30**	**167.40**
Normalized	99.47%	100%
FFmpeg - libx265 - Video On Demand (FPS)	**45.01**	**45.25**
Normalized	99.47%	100%
Cpuminer-Opt - Magi (kH/s)	**863.91**	**852.17**
Normalized	100%	98.64%
Cpuminer-Opt - x25x (kH/s)	**885.22**	**889.91**
Normalized	99.47%	100%
Cpuminer-Opt - scrypt (kH/s)	**515.94**	**509.75**
Normalized	100%	98.8%
Cpuminer-Opt - Deepcoin (kH/s)	**15910**	**16300**
Normalized	97.61%	100%
Cpuminer-Opt - Ringcoin (kH/s)	**3286**	**3291**
Normalized	99.85%	100%
Cpuminer-Opt - Blake-2 S (kH/s)	**1343070**	**1029150**
Normalized	100%	76.63%

Cpuminer-Opt - Garlicoin (kH/s)	3642	3537
Normalized	100%	97.12%
Cpuminer-Opt - Skeincoin (kH/s)	209170	209440
Normalized	99.87%	100%
Cpuminer-Opt - Myriad-Groestl (kH/s)	50470	51020
Normalized	98.92%	100%
Cpuminer-Opt - LBC, LBRY Credits (kH/s)	109350	109450
Normalized	99.91%	100%
Cpuminer-Opt - Q.S.2.P (kH/s)	231140	235620
Normalized	98.1%	100%
Cpuminer-Opt - T.S.2.O (kH/s)	322550	338820
Normalized	95.2%	100%
ClickHouse - 1.R.W.A.D.F.R.C.C (Queries/min, Geo Mean)	231.71	252.20
Normalized	91.88%	100%
ClickHouse - 1.R.W.A.D.S.R (Queries/min, Geo Mean)	259.88	273.31
Normalized	95.09%	100%
ClickHouse - 1.R.W.A.D.T.R (Queries/min, Geo Mean)	269.06	273.74
Normalized	98.29%	100%
Dragonflydb - 50 - 1:1 (Ops/sec)	4846901	4791381
Normalized	100%	98.85%
Dragonflydb - 50 - 1:5 (Ops/sec)	5133429	5031752
Normalized	100%	98.02%
Dragonflydb - 50 - 5:1 (Ops/sec)	4692531	4640660
Normalized	100%	98.89%
Dragonflydb - 200 - 1:1 (Ops/sec)	4831108	4763804
Normalized	100%	98.61%
Dragonflydb - 200 - 1:5 (Ops/sec)	4968213	5055548
Normalized	98.27%	100%
Dragonflydb - 200 - 5:1 (Ops/sec)	4624846	4630860
Normalized	99.87%	100%
PostgreSQL - 1 - 1 - Read Only (TPS)	59102	58025
Normalized	100%	98.18%
PostgreSQL - 1 - 1 - Read Only - Average Latency (ms)	0.017	0.017
PostgreSQL - 1 - 1 - Read Write (TPS)	2838	2799
Normalized	100%	98.63%
PostgreSQL - 1 - 1 - Read Write - Average Latency	0.352	0.357
Normalized	100%	98.6%
PostgreSQL - 1 - 50 - Read Only (TPS)	779915	772349
Normalized	100%	99.03%
PostgreSQL - 1 - 50 - Read Only - Average Latency	0.064	0.065
Normalized	100%	98.46%
PostgreSQL - 1 - 100 - Read Only (TPS)	674178	700101
Normalized	96.3%	100%
PostgreSQL - 1 - 100 - Read Only - Average Latency	0.148	0.143
Normalized	96.62%	100%
PostgreSQL - 1 - 50 - Read Write (TPS)	2722	2714
Normalized	100%	99.71%
PostgreSQL - 1 - 50 - Read Write - Average Latency	18.369	18.424
Normalized	100%	99.7%
PostgreSQL - 100 - 1 - Read Only (TPS)	61322	56707
Normalized	100%	92.47%
PostgreSQL - 100 - 1 - Read Only - Average Latency (ms)	0.016	0.018

Normalized	100%	88.89%
PostgreSQL - 1 - 100 - Read Write (TPS)	2436	2442
Normalized	99.75%	100%
PostgreSQL - 1 - 100 - Read Write - Average Latency (ms)	41.058	40.957
Normalized	99.75%	100%
PostgreSQL - 100 - 1 - Read Write (TPS)	2705	2724
Normalized	99.3%	100%
PostgreSQL - 100 - 1 - Read Write - Average Latency (ms)	0.37	0.367
Normalized	99.19%	100%
PostgreSQL - 100 - 50 - Read Only (TPS)	722315	736786
Normalized	98.04%	100%
PostgreSQL - 100 - 50 - Read Only - Average Latency (ms)	0.069	0.068
Normalized	98.55%	100%
PostgreSQL - 100 - 100 - Read Only (TPS)	656243	652856
Normalized	100%	99.48%
PostgreSQL - 100 - 100 - Read Only - Average Latency (ms)	0.152	0.153
Normalized	100%	99.35%
PostgreSQL - 100 - 50 - Read Write (TPS)	44304	50233
Normalized	88.2%	100%
PostgreSQL - 100 - 50 - Read Write - Average Latency (ms)	1.129	0.995
Normalized	88.13%	100%
PostgreSQL - 100 - 100 - Read Write (TPS)	58054	59960
Normalized	96.82%	100%
PostgreSQL - 100 - 100 - Read Write - Average Latency (ms)	1.723	1.668
Normalized	96.81%	100%
TensorFlow - CPU - 16 - AlexNet (images/sec)	158.36	158.05
Normalized	100%	99.8%
TensorFlow - CPU - 32 - AlexNet (images/sec)	227.01	227.31
Normalized	99.87%	100%
TensorFlow - CPU - 64 - AlexNet (images/sec)	289.65	289.36
Normalized	100%	99.9%
TensorFlow - CPU - 256 - AlexNet (images/sec)	348.9	348.49
Normalized	100%	99.88%
TensorFlow - CPU - 512 - AlexNet (images/sec)	357.68	357.7
Normalized	99.99%	100%
TensorFlow - CPU - 16 - GoogLeNet (images/sec)	123.22	123.22
TensorFlow - CPU - 16 - ResNet-50 (images/sec)	38.17	38.16
Normalized	100%	99.97%
TensorFlow - CPU - 32 - GoogLeNet (images/sec)	124.88	124.83
Normalized	100%	99.96%
TensorFlow - CPU - 32 - ResNet-50 (images/sec)	39.35	39.31
Normalized	100%	99.9%
TensorFlow - CPU - 64 - GoogLeNet (images/sec)	123.2	123.4
Normalized	99.84%	100%
TensorFlow - CPU - 64 - ResNet-50 (images/sec)	39.48	39.53
Normalized	99.87%	100%

TensorFlow - CPU - 256 - GoogLeNet (images/sec)	**121.77**	**121.89**
Normalized	99.9%	100%
TensorFlow - CPU - 256 - ResNet-50 (images/sec)	**39.8**	**39.82**
Normalized	99.95%	100%
TensorFlow - CPU - 512 - GoogLeNet (images/sec)	**121.89**	**121.98**
Normalized	99.93%	100%
Neural Magic DeepSparse - N.D.C.o.b.u.o.I - A.M.S (items/sec)	**9.4344**	**9.4433**
Normalized	99.91%	100%
Neural Magic DeepSparse - N.D.C.o.b.u.o.I - A.M.S (ms/batch)	**632.756**	**632.2099**
Normalized	99.91%	100%
Neural Magic DeepSparse - N.D.C.o.b.u.o.I - S.S.S (items/sec)	**8.748**	**8.7713**
Normalized	99.73%	100%
Neural Magic DeepSparse - N.D.C.o.b.u.o.I - S.S.S (ms/batch)	**114.3078**	**114.0039**
Normalized	99.73%	100%
Neural Magic DeepSparse - N.Q.A.B.b.u.S.1.P - A.M.S (items/sec)	**91.5744**	**91.5226**
Normalized	100%	99.94%
Neural Magic DeepSparse - N.Q.A.B.b.u.S.1.P - A.M.S (ms/batch)	**65.4985**	**65.5084**
Normalized	100%	99.98%
Neural Magic DeepSparse - N.Q.A.B.b.u.S.1.P - S.S.S (items/sec)	**56.905**	**57.0091**
Normalized	99.82%	100%
Neural Magic DeepSparse - N.Q.A.B.b.u.S.1.P - S.S.S (ms/batch)	**17.567**	**17.5355**
Normalized	99.82%	100%
Neural Magic DeepSparse - C.D.Y.C - A.M.S	**94.5869**	**94.6963**
Normalized	99.88%	100%
Neural Magic DeepSparse - C.D.Y.C - A.M.S	**63.412**	**63.3274**
Normalized	99.87%	100%
Neural Magic DeepSparse - C.D.Y.C - S.S.S (items/sec)	**73.8179**	**73.8024**
Normalized	100%	99.98%
Neural Magic DeepSparse - C.D.Y.C - S.S.S (ms/batch)	**13.5387**	**13.542**
Normalized	100%	99.98%
Neural Magic DeepSparse - C.C.R.5.I - A.M.S	**223.1411**	**223.5328**
Normalized	99.82%	100%
Neural Magic DeepSparse - C.C.R.5.I - A.M.S	**26.8652**	**26.8227**
Normalized	99.84%	100%
Neural Magic DeepSparse - C.C.R.5.I - S.S.S	**137.9275**	**138.0086**
Normalized	99.94%	100%
Neural Magic DeepSparse - C.C.R.5.I - S.S.S	**7.2448**	**7.2408**
Normalized	99.94%	100%
Neural Magic DeepSparse - N.T.C.D.m - A.M.S (items/sec)	**143.4093**	**143.6075**
Normalized	99.86%	100%
Neural Magic DeepSparse - N.T.C.D.m - A.M.S (ms/batch)	**41.8197**	**41.7556**
Normalized	99.85%	100%

Neural Magic DeepSparse - N.T.C.D.m - S.S.S (items/sec)	**95.7092**	**94.8741**
Normalized	100%	99.13%
Neural Magic DeepSparse - N.T.C.D.m - S.S.S	**10.4443**	**10.5361**
Normalized	100%	99.13%
Neural Magic DeepSparse - N.T.C.B.b.u.S - A.M.S (items/sec)	**72.282**	**71.7045**
Normalized	100%	99.2%
Neural Magic DeepSparse - N.T.C.B.b.u.S - A.M.S (ms/batch)	**82.9905**	**83.6437**
Normalized	100%	99.22%
Neural Magic DeepSparse - N.T.C.B.b.u.S - S.S.S (items/sec)	**49.816**	**49.033**
Normalized	100%	98.43%
Neural Magic DeepSparse - N.T.C.B.b.u.S - S.S.S (ms/batch)	**20.0699**	**20.3906**
Normalized	100%	98.43%
Neural Magic DeepSparse - N.T.C.B.b.u.c - A.M.S (items/sec)	**9.4567**	**9.4533**
Normalized	100%	99.96%
Neural Magic DeepSparse - N.T.C.B.b.u.c - A.M.S (ms/batch)	**630.9481**	**631.7603**
Normalized	100%	99.87%
Neural Magic DeepSparse - N.T.C.B.b.u.c - S.S.S (items/sec)	**8.7785**	**8.7765**
Normalized	100%	99.98%
Neural Magic DeepSparse - N.T.C.B.b.u.c - S.S.S (ms/batch)	**113.91**	**113.9358**
Normalized	100%	99.98%
Stress-NG - MMAP (Bogo Ops/s)	**288.78**	**290.15**
Normalized	99.53%	100%
Stress-NG - NUMA (Bogo Ops/s)	**604.96**	**570.87**
Normalized	100%	94.36%
Stress-NG - Futex (Bogo Ops/s)	**3968210**	**3648065**
Normalized	100%	91.93%
Stress-NG - MEMFD (Bogo Ops/s)	**1053**	**1052**
Normalized	100%	99.98%
Stress-NG - Mutex (Bogo Ops/s)	**10556564**	**11885213**
Normalized	88.82%	100%
Stress-NG - Atomic (Bogo Ops/s)	**203812**	**199498**
Normalized	100%	97.88%
Stress-NG - Crypto (Bogo Ops/s)	**34723**	**32275**
Normalized	100%	92.95%
Stress-NG - Malloc (Bogo Ops/s)	**24051732**	**24222412**
Normalized	99.3%	100%
Stress-NG - Forking (Bogo Ops/s)	**85644**	**88151**
Normalized	97.16%	100%
Stress-NG - IO_uring (Bogo Ops/s)	**24406**	**27013**
Normalized	90.35%	100%
Stress-NG - SENDFILE (Bogo Ops/s)	**386040**	**387021**
Normalized	99.75%	100%
Stress-NG - CPU Cache (Bogo Ops/s)	**140.39**	**145.06**

Normalized	96.78%	100%
Stress-NG - CPU Stress (Bogo Ops/s)	44345	44431
Normalized	99.81%	100%
Stress-NG - Semaphores (Bogo Ops/s)	2647043	2653440
Normalized	99.76%	100%
Stress-NG - Matrix Math (Bogo Ops/s)	105411	100435
Normalized	100%	95.28%
Stress-NG - Vector Math (Bogo Ops/s)	107492	107283
Normalized	100%	99.81%
Stress-NG - Memory Copying (Bogo Ops/s)	6023	6055
Normalized	99.47%	100%
Stress-NG - Socket Activity (Bogo Ops/s)	21588	19399
Normalized	100%	89.86%
Stress-NG - Context Switching (Bogo Ops/s)	7269059	7822736
Normalized	92.92%	100%
Stress-NG - G.C.S.F (Bogo Ops/s)	3786315	3784061
Normalized	100%	99.94%
Stress-NG - G.Q.D.S (Bogo Ops/s)	285.64	283.15
Normalized	100%	99.13%
Stress-NG - S.V.M.P (Bogo Ops/s)	12824745	12852177
Normalized	99.79%	100%
spaCy - en_core_web_lg (tokens/sec)	18996	19009
Normalized	99.93%	100%
spaCy - en_core_web_trf (tokens/sec)	1514	1518
Normalized	99.74%	100%
Mobile Neural Network - nasnet (ms)	9.676	10.135
Normalized	100%	95.47%
Mobile Neural Network - mobilenetV3 (ms)	1.428	1.466
Normalized	100%	97.41%
Mobile Neural Network - squeezenetv1.1 (ms)	2.308	2.389
Normalized	100%	96.61%
Mobile Neural Network - resnet-v2-50 (ms)	12.864	12.582
Normalized	97.81%	100%
Mobile Neural Network - SqueezeNetV1.0 (ms)	3.692	3.751
Normalized	100%	98.43%
Mobile Neural Network - MobileNetV2_224 (ms)	2.857	3.04
Normalized	100%	93.98%
Mobile Neural Network - mobilenet-v1-1.0 (ms)	3.251	3.233
Normalized	99.45%	100%
Mobile Neural Network - inception-v3 (ms)	21.158	20.742
Normalized	98.03%	100%
Blender - BMW27 - CPU-Only (sec)	66.07	66.19
Normalized	100%	99.82%
Blender - Classroom - CPU-Only (sec)	169.11	169.57
Normalized	100%	99.73%
Blender - Fishy Cat - CPU-Only (sec)	85.49	85.08
Normalized	99.52%	100%
Blender - Barbershop - CPU-Only (sec)	635.91	635.69
Normalized	99.97%	100%
Blender - Pabellon Barcelona - CPU-Only (sec)	211.89	211.89
OpenVINO - F.D.F - CPU (FPS)	10.69	10.72
Normalized	99.72%	100%
OpenVINO - F.D.F - CPU (ms)	559.91	558.64

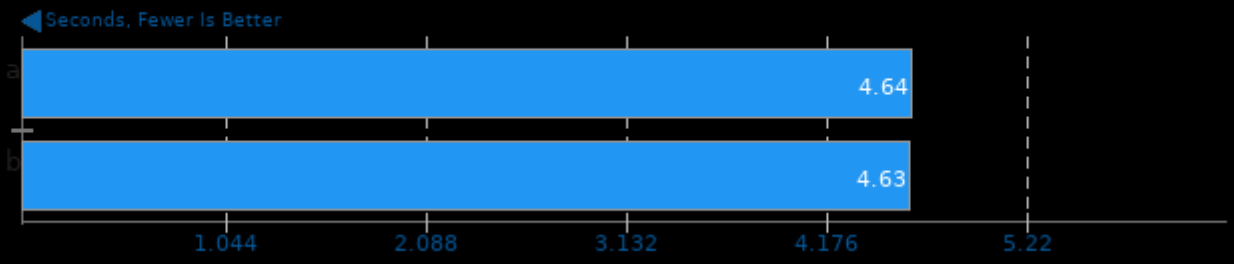
Normalized	99.77%	100%
OpenVINO - P.D.F - CPU (FPS)	5.9	5.85
Normalized	100%	99.15%
OpenVINO - P.D.F - CPU (ms)	1015	1020
Normalized	100%	99.53%
OpenVINO - P.D.F - CPU (FPS)	5.87	5.84
Normalized	100%	99.49%
OpenVINO - P.D.F - CPU (ms)	1016	1021
Normalized	100%	99.49%
OpenVINO - V.D.F - CPU (FPS)	717.9	726.25
Normalized	98.85%	100%
OpenVINO - V.D.F - CPU (ms)	8.35	8.25
Normalized	98.8%	100%
OpenVINO - F.D.F.I - CPU (FPS)	20.84	20.83
Normalized	100%	99.95%
OpenVINO - F.D.F.I - CPU (ms)	287.38	287.56
Normalized	100%	99.94%
OpenVINO - V.D.F.I - CPU (FPS)	1384	1383
Normalized	100%	99.88%
OpenVINO - V.D.F.I - CPU (ms)	4.33	4.34
Normalized	100%	99.77%
OpenVINO - W.P.D.F - CPU (FPS)	1072	1072
Normalized	100%	99.98%
OpenVINO - W.P.D.F - CPU (ms)	5.59	5.59
OpenVINO - M.T.E.T.D.F - CPU (FPS)	108.68	107.32
Normalized	100%	98.75%
OpenVINO - M.T.E.T.D.F - CPU (ms)	55.16	55.87
Normalized	100%	98.73%
OpenVINO - W.P.D.F.I - CPU (FPS)	2168	2169
Normalized	99.98%	100%
OpenVINO - W.P.D.F.I - CPU (ms)	5.53	5.53
OpenVINO - P.V.B.D.F - CPU (FPS)	1249	1245
Normalized	100%	99.63%
OpenVINO - P.V.B.D.F - CPU (ms)	4.8	4.81
Normalized	100%	99.79%
OpenVINO - A.G.R.R.0.F - CPU (FPS)	33642	33761
Normalized	99.65%	100%
OpenVINO - A.G.R.R.0.F - CPU (ms)	0.35	0.35
OpenVINO - A.G.R.R.0.F.I - CPU (FPS)	47792	47793
Normalized	100%	100%
OpenVINO - A.G.R.R.0.F.I - CPU (ms)	0.25	0.25
nginx - 100 (Reqs/sec)	137651	136319
Normalized	100%	99.03%
nginx - 200 (Reqs/sec)	137836	136171
Normalized	100%	98.79%
nginx - 500 (Reqs/sec)	135868	133787
Normalized	100%	98.47%
nginx - 1000 (Reqs/sec)	125963	122285
Normalized	100%	97.08%
Natron - Spaceship (FPS)	5.5	5.4
Normalized	100%	98.18%
EnCodec - 3 kbps (sec)	24.989	25.064
Normalized	100%	99.7%

AMD Ryzen 9 7900X Linux

EnCodec - 6 kbps (sec)	**25.189**	**25.251**
Normalized	100%	99.75%
EnCodec - 24 kbps (sec)	**28.898**	**28.712**
Normalized	99.36%	100%
EnCodec - 1.5 kbps (sec)	**24.334**	**24.28**
Normalized	99.78%	100%
BRL-CAD - V.P.M (VGR Performance Metric)	**308235**	**304290**
Normalized	100%	98.72%
OpenFOAM - motorBike - Execution Time (sec)		2.65814

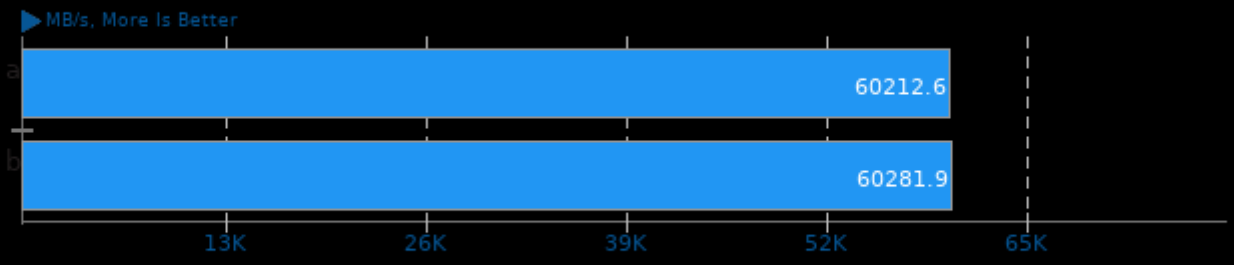
Unpacking The Linux Kernel 5.19

linux-5.19.tar.xz



Stream 2013-01-17

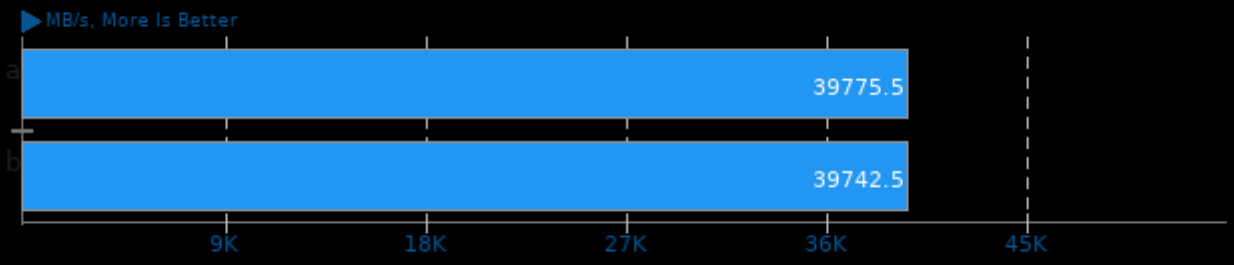
Type: Copy



1. (CC) gcc options: -mcmodel=medium -O3 -march=native -fopenmp

Stream 2013-01-17

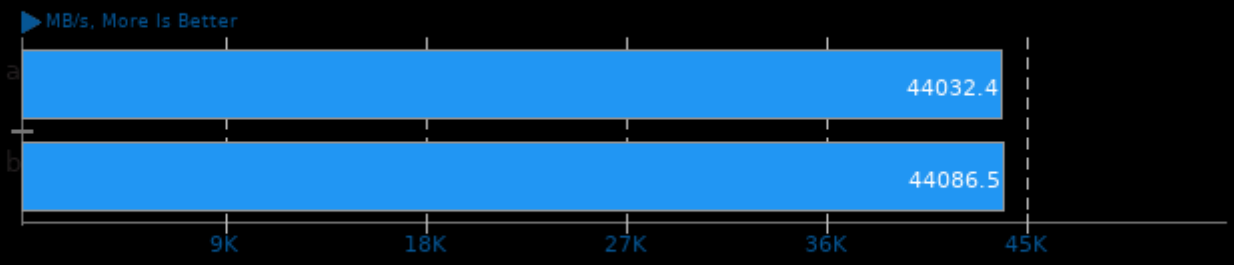
Type: Scale



1. (CC) gcc options: -mcmodel=medium -O3 -march=native -fopenmp

Stream 2013-01-17

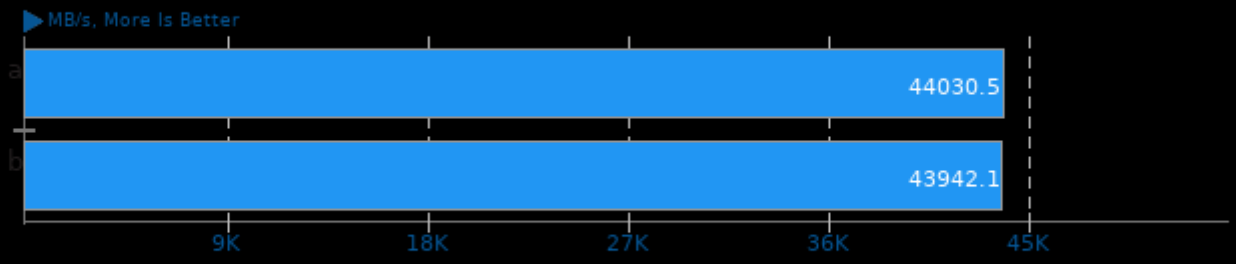
Type: Triad



1. (CC) gcc options: -mcmodel=medium -O3 -march=native -fopenmp

Stream 2013-01-17

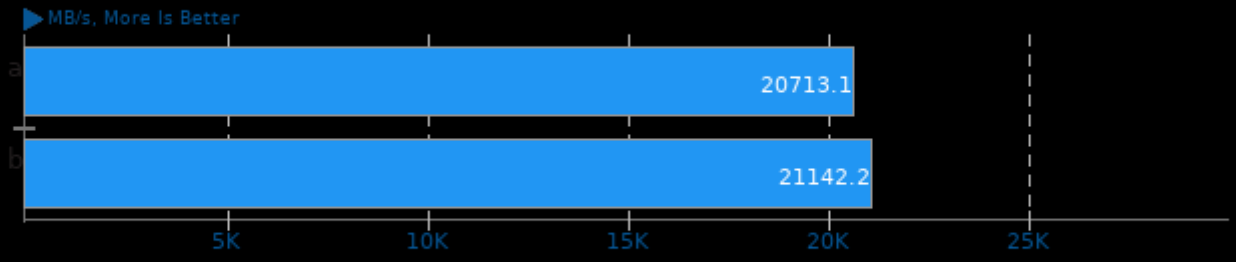
Type: Add



1. (CC) gcc options: -mcmodel=medium -O3 -march=native -fopenmp

C-Blosc 2.3

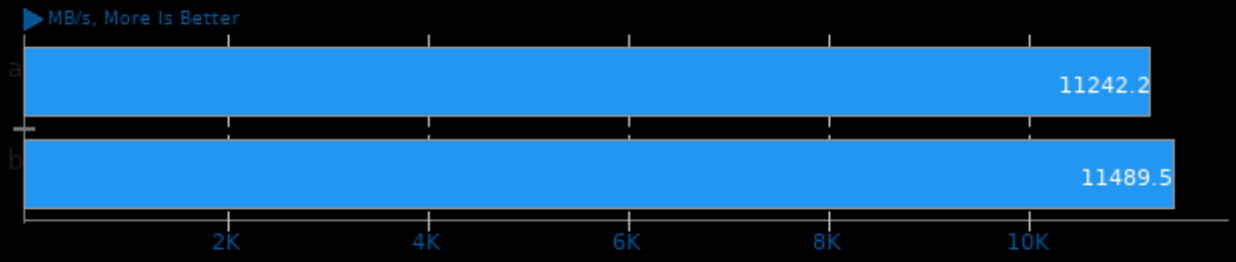
Test: blosclz shuffle



1. (CC) gcc options: -std=gnu99 -O3 -lrt -lm

C-Blosc 2.3

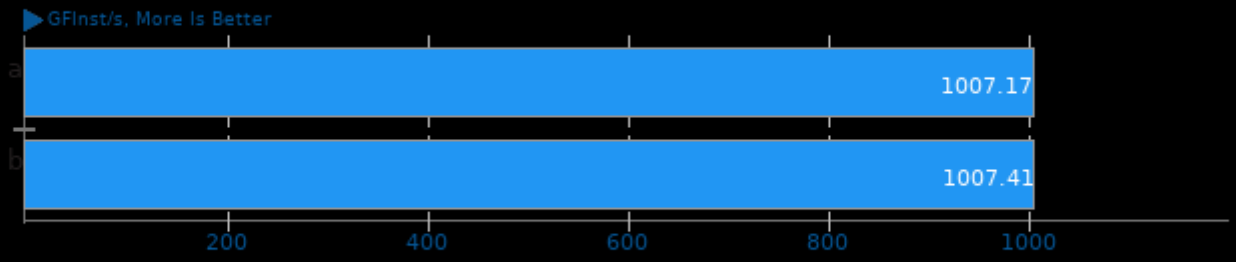
Test: blosclz bitshuffle



1. (CC) gcc options: -std=gnu99 -O3 -lrt -lm

miniBUDE 20210901

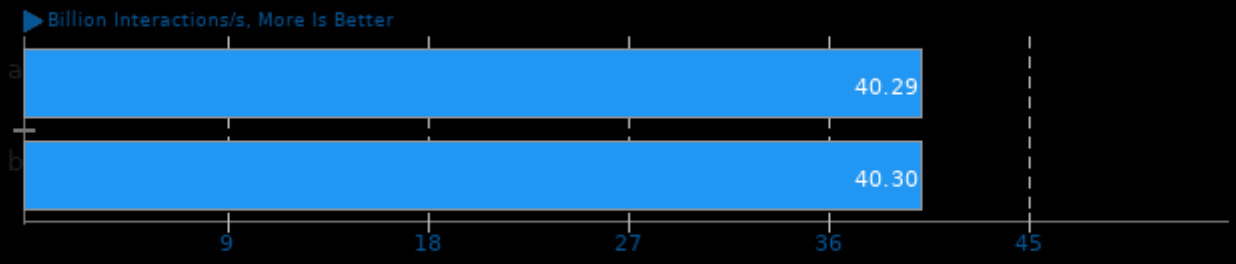
Implementation: OpenMP - Input Deck: BM1



1. (CC) gcc options: -std=c99 -Ofast -ffast-math -fopenmp -march=native -lm

miniBUDE 20210901

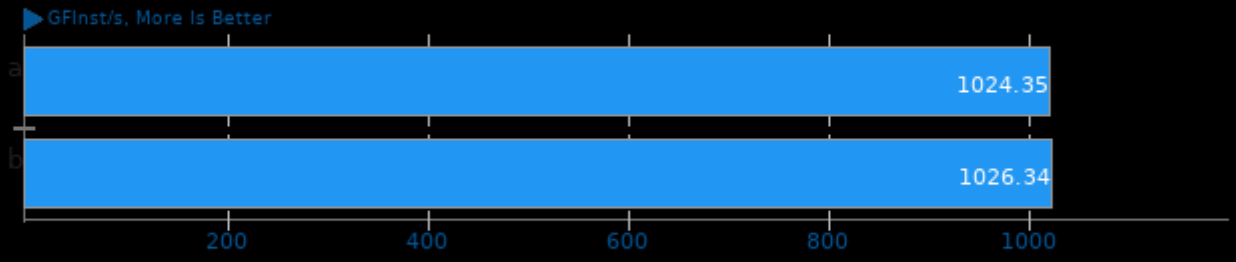
Implementation: OpenMP - Input Deck: BM1



1. (CC) gcc options: -std=c99 -Ofast -ffast-math -fopenmp -march=native -lm

miniBUDE 20210901

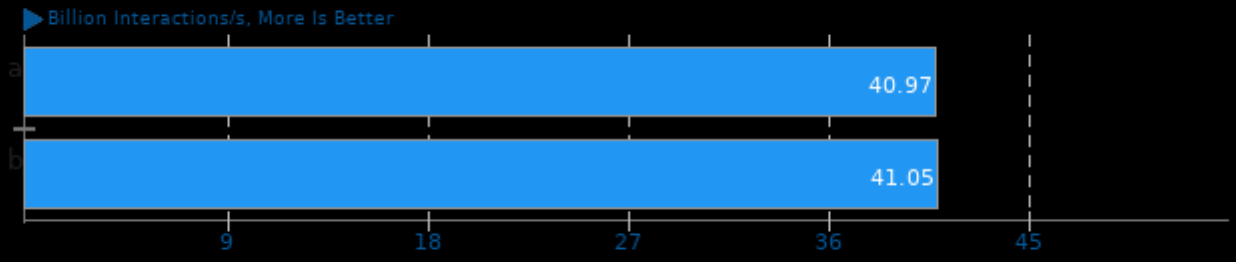
Implementation: OpenMP - Input Deck: BM2



1. (CC) gcc options: -std=c99 -Ofast -ffast-math -fopenmp -march=native -lm

miniBUDE 20210901

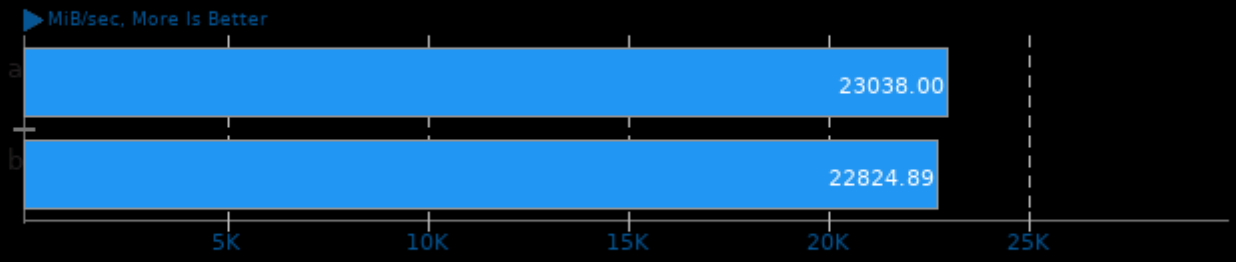
Implementation: OpenMP - Input Deck: BM2



1. (CC) gcc options: -std=c99 -Ofast -ffast-math -fopenmp -march=native -lm

SMHasher 2022-08-22

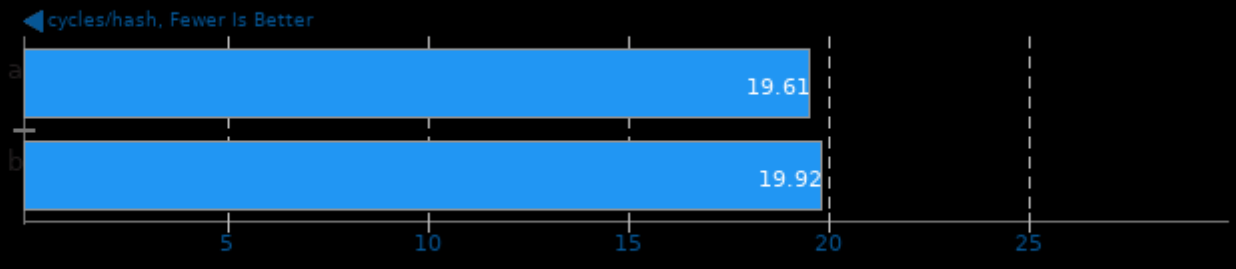
Hash: wyhash



1. (CXX) g++ options: -march=native -O3 -flto=auto -fno-fat-lto-objects

SMHasher 2022-08-22

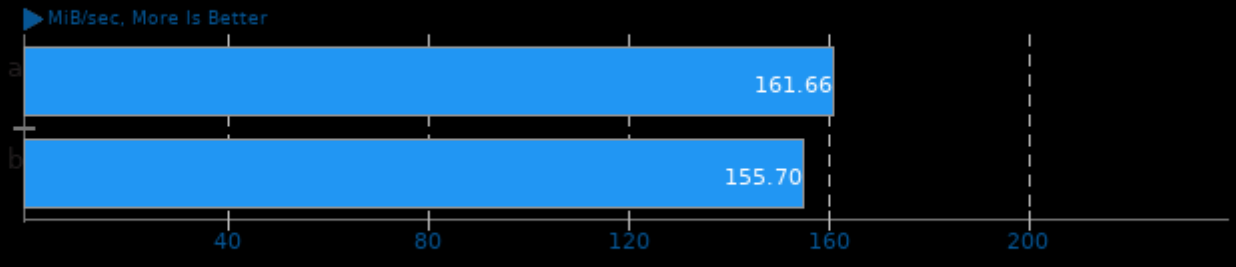
Hash: wyhash



1. (CXX) g++ options: -march=native -O3 -flto=auto -fno-fat-lto-objects

SMHasher 2022-08-22

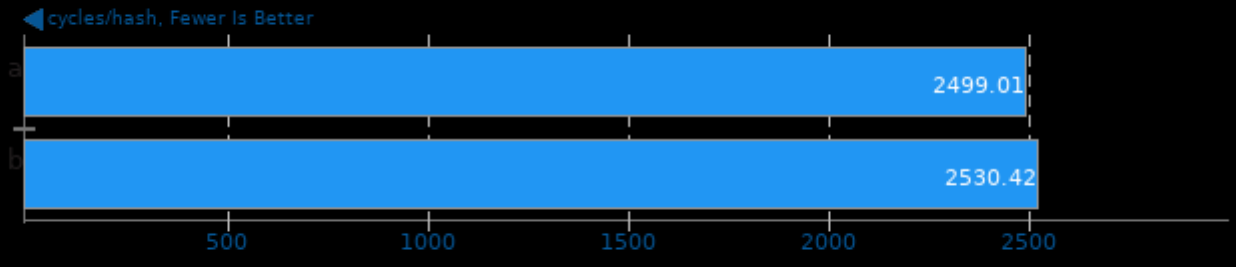
Hash: SHA3-256



1. (CXX) g++ options: -march=native -O3 -flto=auto -fno-fat-lto-objects

SMHasher 2022-08-22

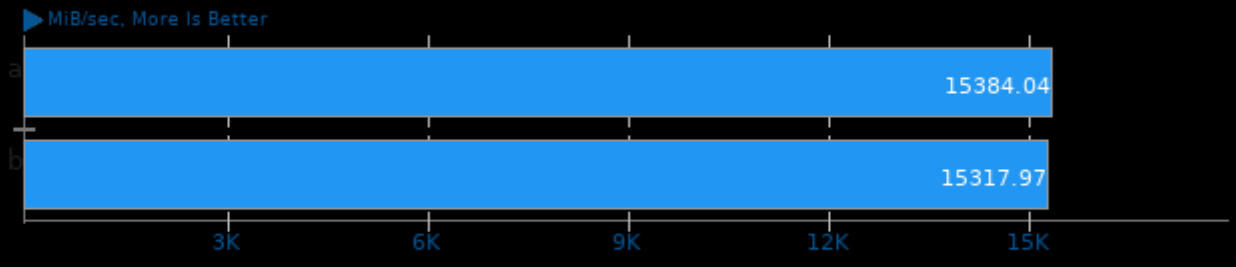
Hash: SHA3-256



1. (CXX) g++ options: -march=native -O3 -flto=auto -fno-fat-lto-objects

SMHasher 2022-08-22

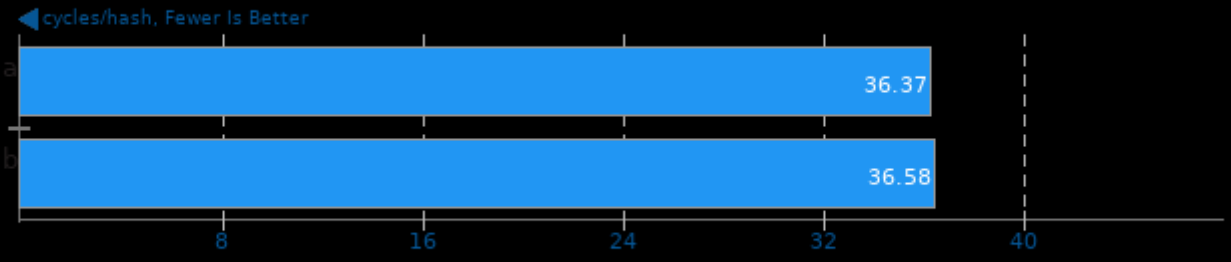
Hash: Spooky32



1. (CXX) g++ options: -march=native -O3 -flto=auto -fno-fat-lto-objects

SMHasher 2022-08-22

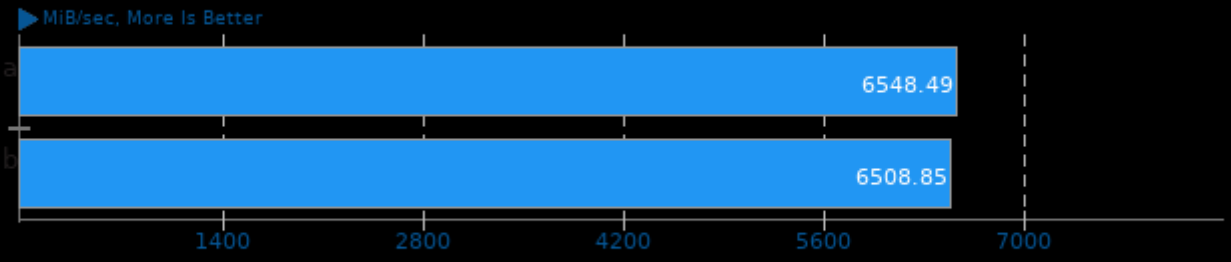
Hash: Spooky32



1. (CXX) g++ options: -march=native -O3 -flto=auto -fno-fat-lto-objects

SMHasher 2022-08-22

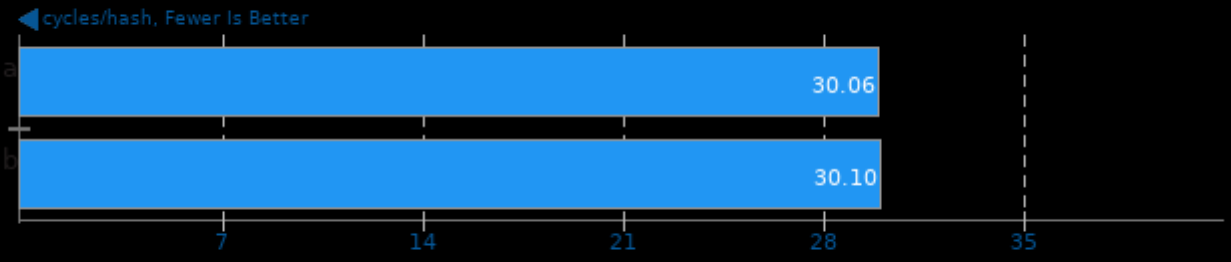
Hash: fasthash32



1. (CXX) g++ options: -march=native -O3 -flto=auto -fno-fat-lto-objects

SMHasher 2022-08-22

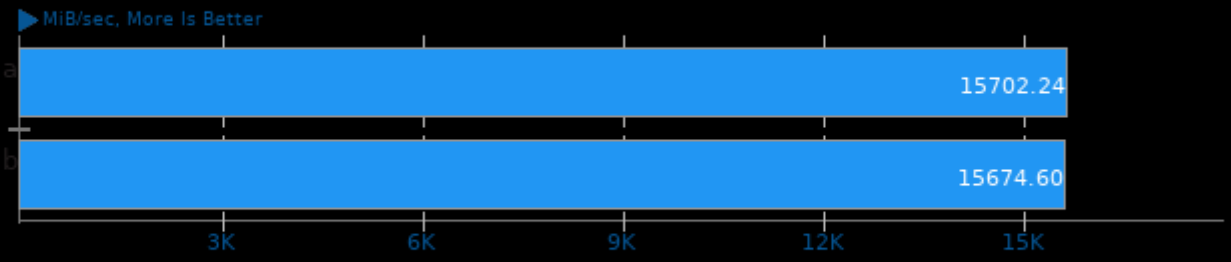
Hash: fasthash32



1. (CXX) g++ options: -march=native -O3 -flto=auto -fno-fat-lto-objects

SMHasher 2022-08-22

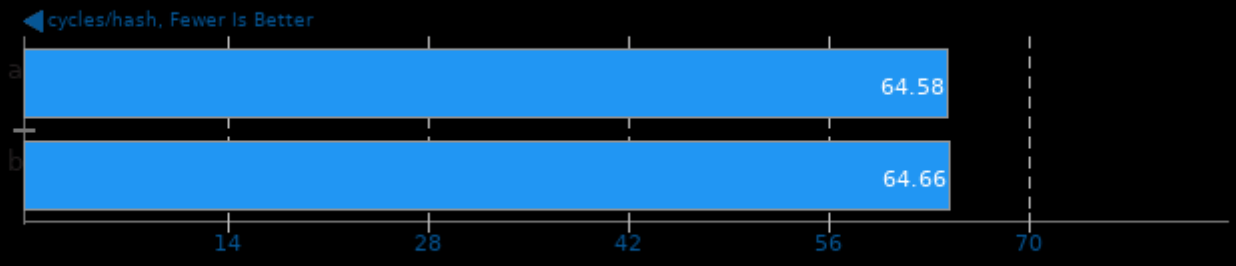
Hash: FarmHash128



1. (CXX) g++ options: -march=native -O3 -flto=auto -fno-fat-lto-objects

SMHasher 2022-08-22

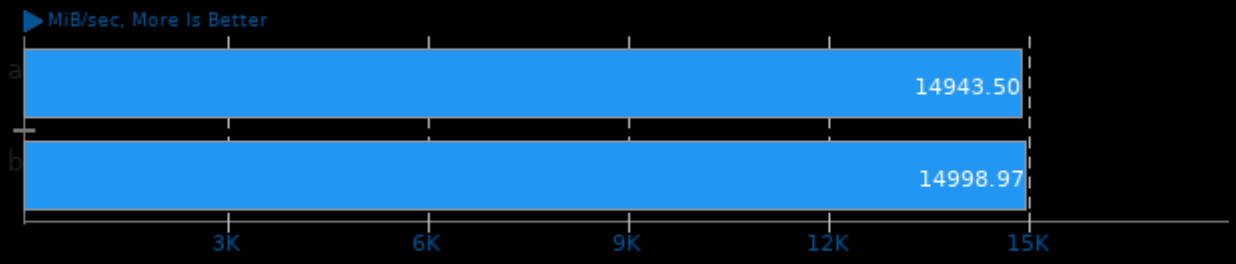
Hash: FarmHash128



1. (CXX) g++ options: -march=native -O3 -flto=auto -fno-fat-lto-objects

SMHasher 2022-08-22

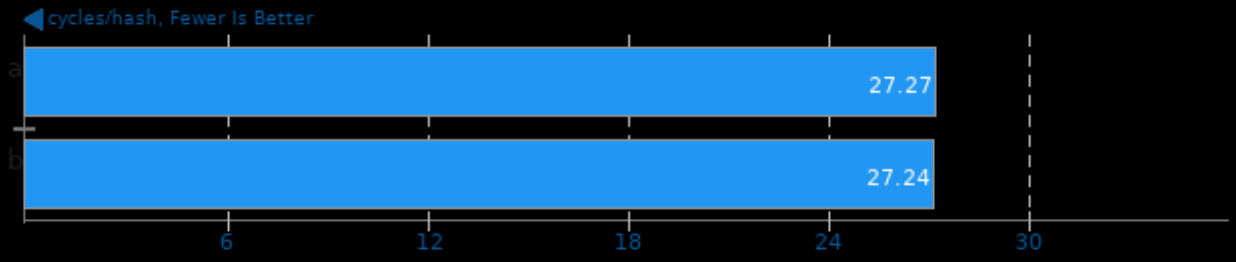
Hash: t1ha2_atonce



1. (CXX) g++ options: -march=native -O3 -flto=auto -fno-fat-lto-objects

SMHasher 2022-08-22

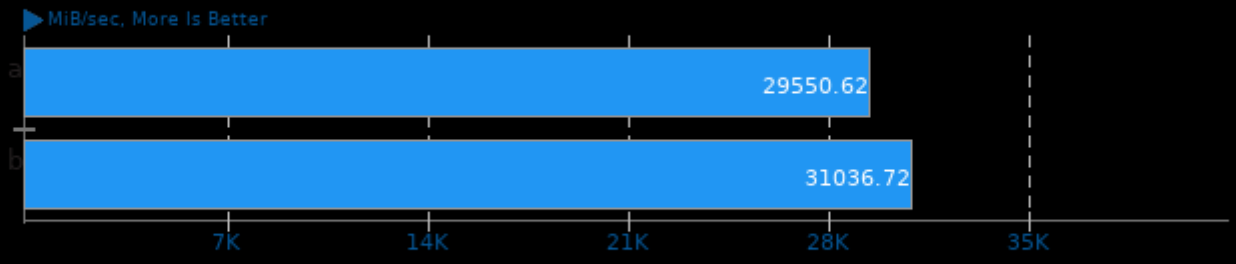
Hash: t1ha2_atonce



1. (CXX) g++ options: -march=native -O3 -flto=auto -fno-fat-lto-objects

SMHasher 2022-08-22

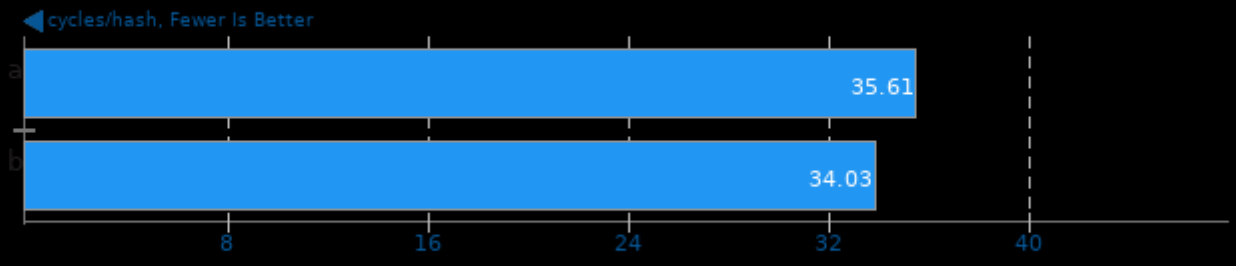
Hash: FarmHash32 x86_64 AVX



1. (CXX) g++ options: -march=native -O3 -flto=auto -fno-fat-lto-objects

SMHasher 2022-08-22

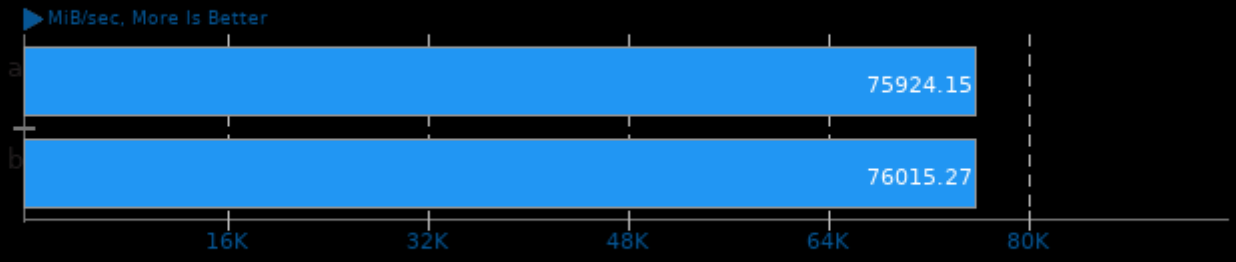
Hash: FarmHash32 x86_64 AVX



1. (CXX) g++ options: -march=native -O3 -flto=auto -fno-fat-lto-objects

SMHasher 2022-08-22

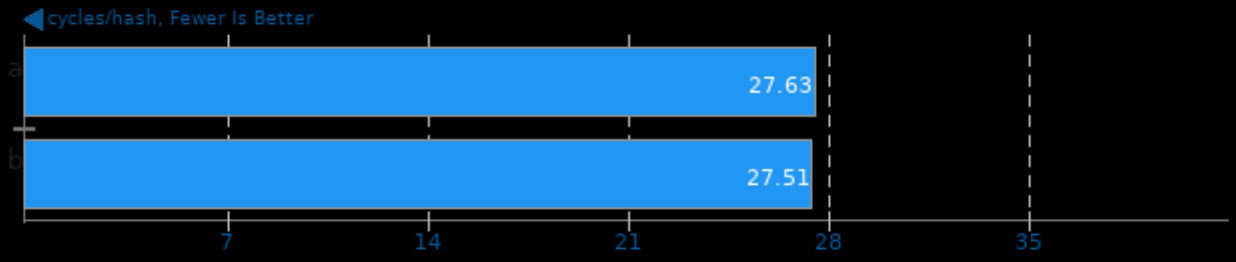
Hash: t1ha0_aes_avx2 x86_64



1. (CXX) g++ options: -march=native -O3 -flto=auto -fno-fat-lto-objects

SMHasher 2022-08-22

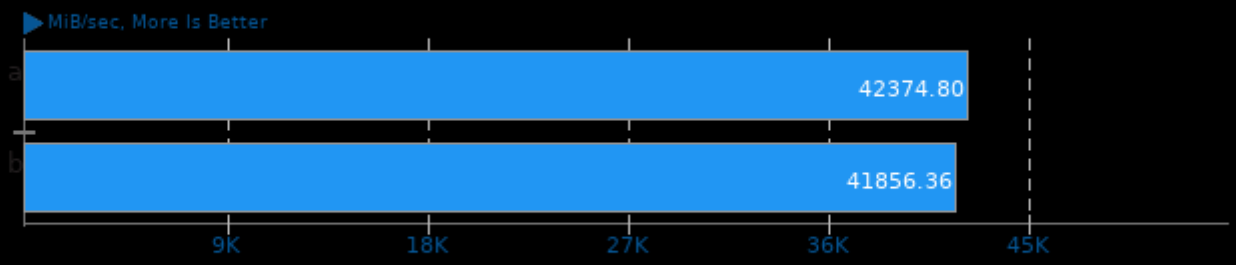
Hash: t1ha0_aes_avx2 x86_64



1. (CXX) g++ options: -march=native -O3 -flto=auto -fno-fat-lto-objects

SMHasher 2022-08-22

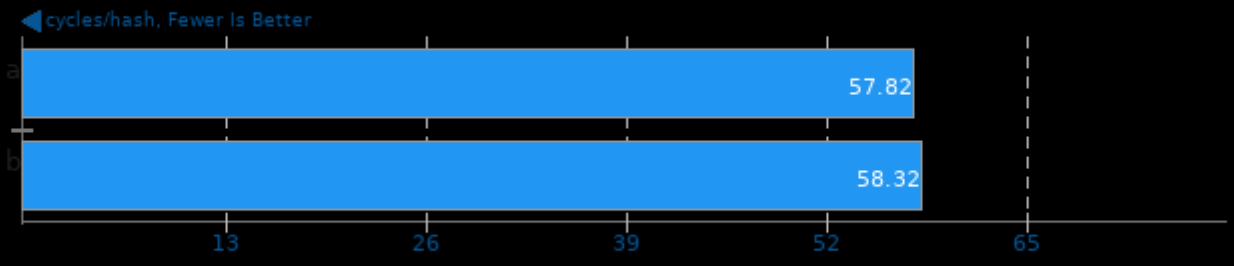
Hash: MeowHash x86_64 AES-NI



1. (CXX) g++ options: -march=native -O3 -flto=auto -fno-fat-lto-objects

SMHasher 2022-08-22

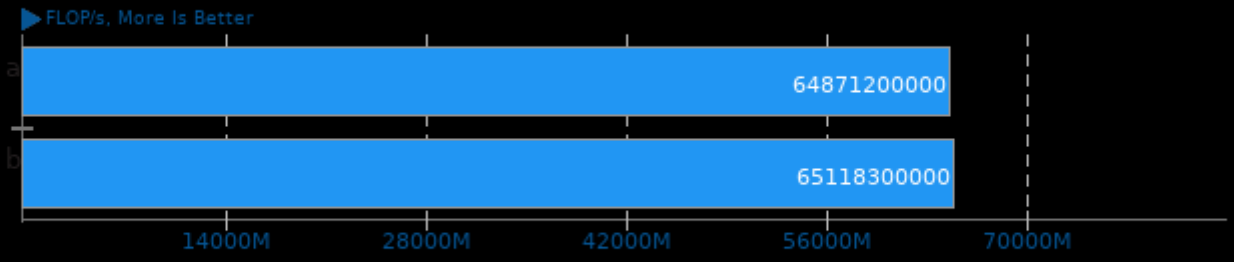
Hash: MeowHash x86_64 AES-NI



1. (CXX) g++ options: -march=native -O3 -flto=auto -fno-fat-lto-objects

nekRS 22.0

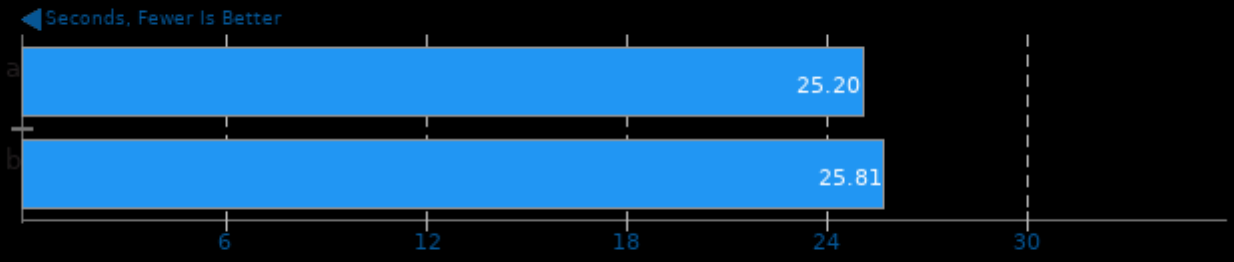
Input: TurboPipe Periodic



1. (CXX) g++ options: -fopenmp -O2 -march=native -mtune=native -ftree-vectorize -lmpi_cxx -lmpi

OpenFOAM 10

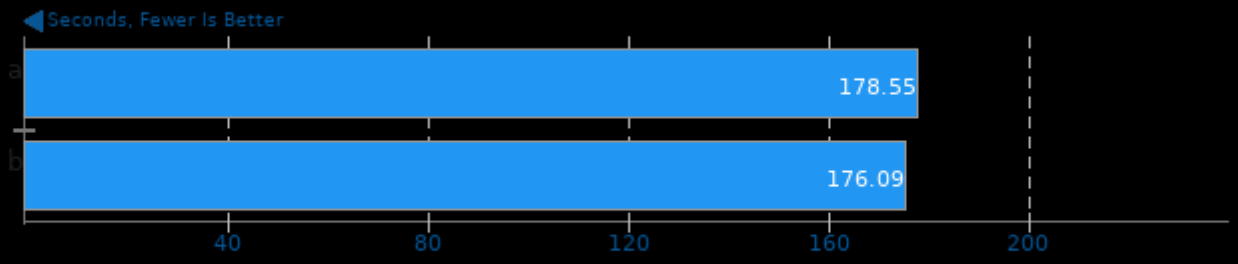
Input: drivaerFastback, Small Mesh Size - Mesh Time



1. (CXX) g++ options: -std=c++14 -m64 -O3 -ftemplate-depth-100 -fPIC -fuse-ld=bfd -Xlinker --add-needed --no-as-needed -ldynamicMesh -lgenericPatch

OpenFOAM 10

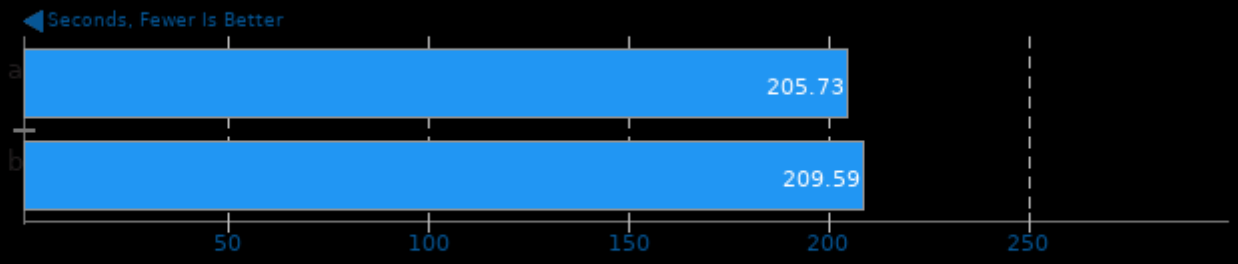
Input: drivaerFastback, Small Mesh Size - Execution Time



1. (CXX) g++ options: -std=c++14 -m64 -O3 -ftemplate-depth-100 -fPIC -fuse-ld=bfd -Xlinker --add-needed --no-as-needed -ldynamicMesh -lgenericPatch

OpenFOAM 10

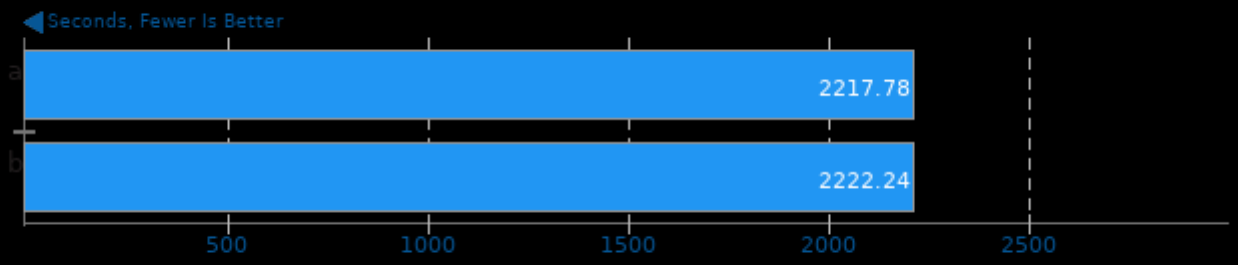
Input: drivaerFastback, Medium Mesh Size - Mesh Time



1. (CXX) g++ options: -std=c++14 -m64 -O3 -ftemplate-depth-100 -fPIC -fuse-ld=bfd -Xlinker --add-needed --no-as-needed -ldynamicMesh -lgenericPatch

OpenFOAM 10

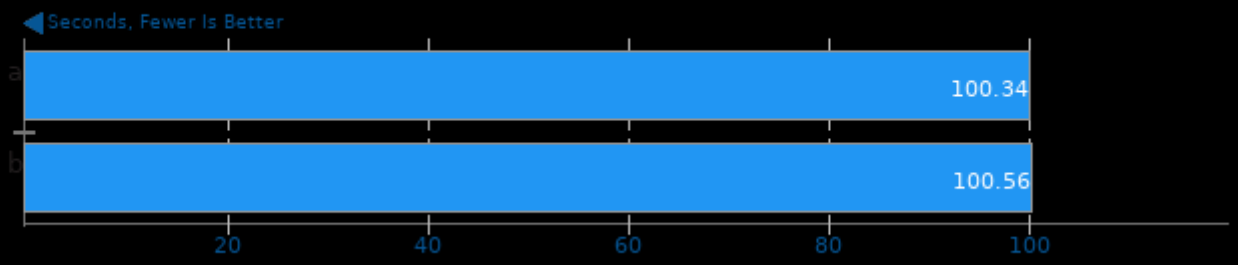
Input: drivaerFastback, Medium Mesh Size - Execution Time

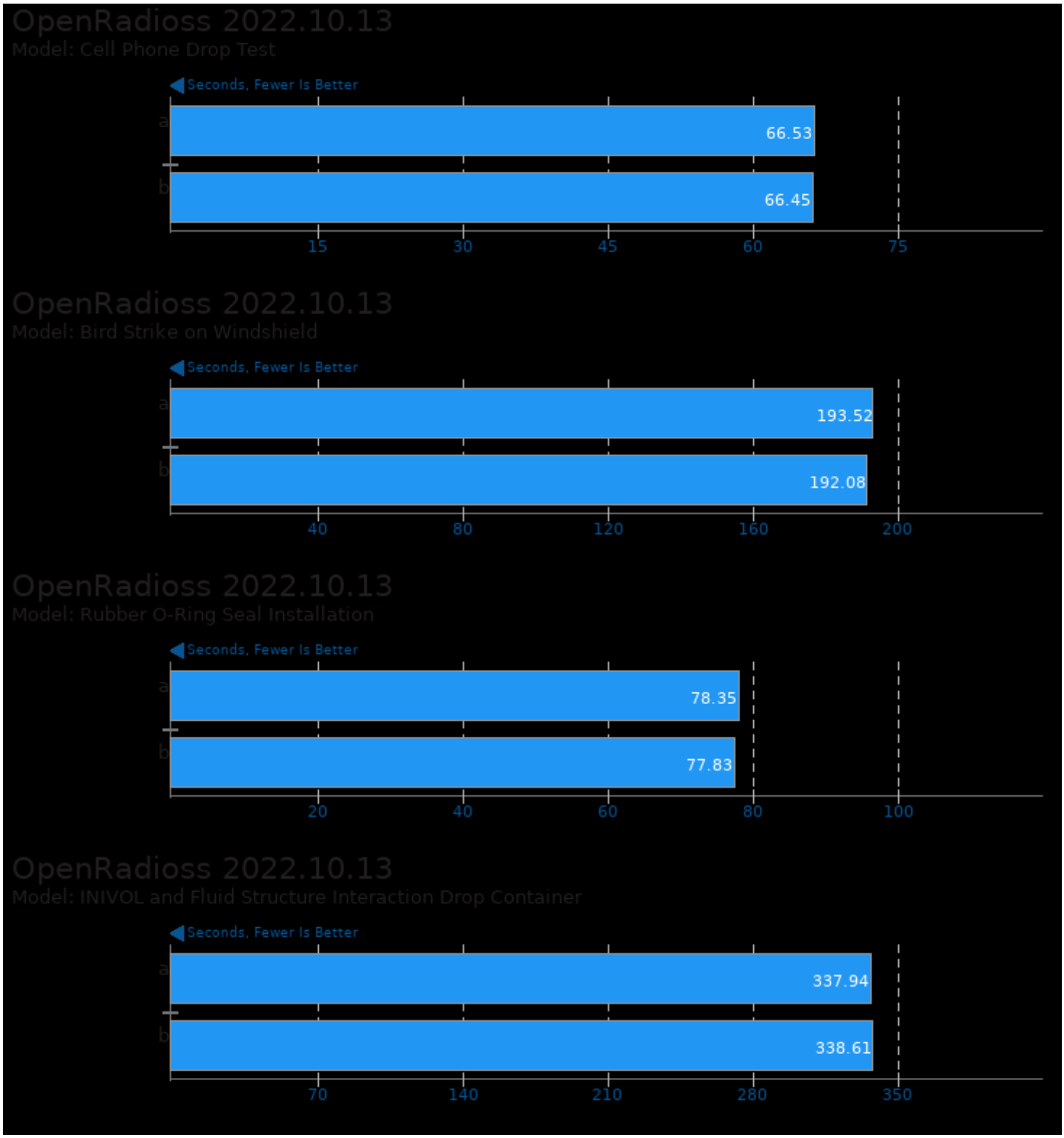


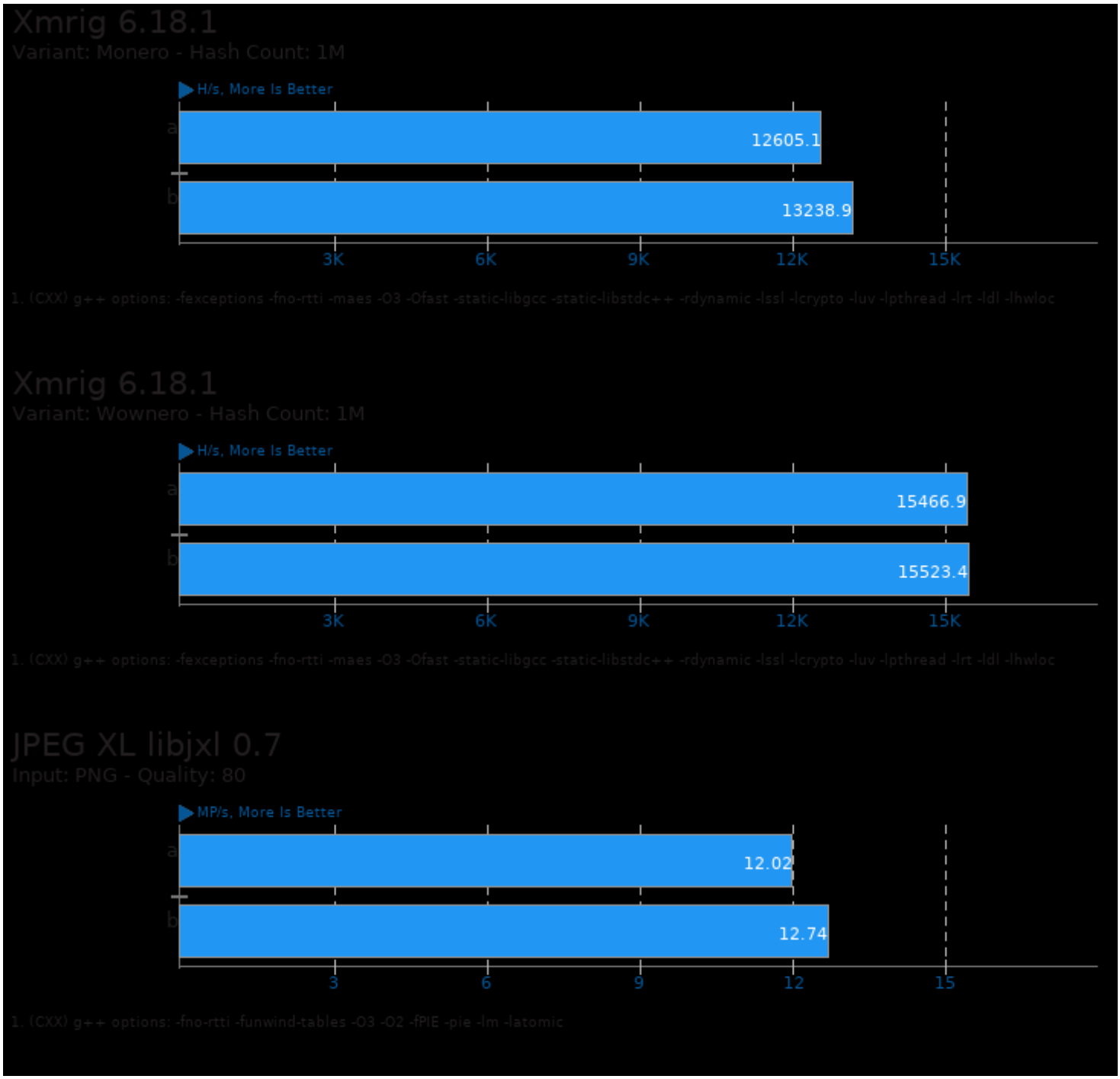
1. (CXX) g++ options: -std=c++14 -m64 -O3 -ftemplate-depth-100 -fPIC -fuse-ld=bfd -Xlinker --add-needed --no-as-needed -ldynamicMesh -lgenericPatch

OpenRadioss 2022.10.13

Model: Bumper Beam

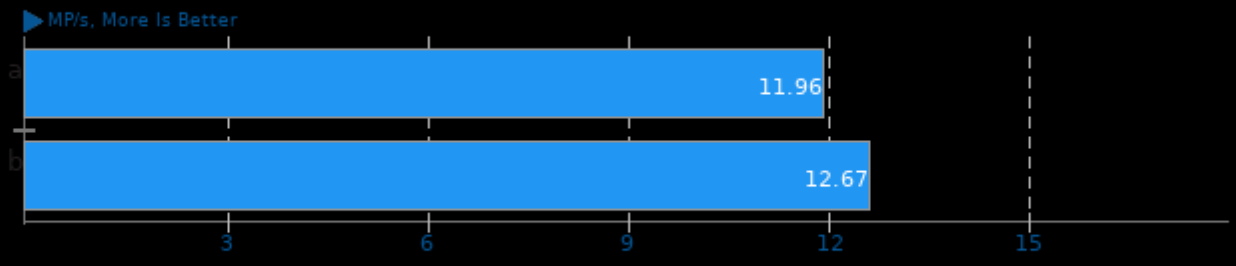



OpenRadioss 2022.10.13
Model: Cell Phone Drop Test
Seconds, Fewer Is Better
a
b
66.53
66.45
15
30
45
60
75
OpenRadioss 2022.10.13
Model: Bird Strike on Windshield
Seconds, Fewer Is Better
a
b
193.52
192.08
40
80
120
160
200
OpenRadioss 2022.10.13
Model: Rubber O-Ring Seal Installation
Seconds, Fewer Is Better
a
b
78.35
77.83
20
40
60
80
100
OpenRadioss 2022.10.13
Model: INIVOL and Fluid Structure Interaction Drop Container
Seconds, Fewer Is Better
a
b
337.94
338.61
70
140
210
280
350


Xmrig 6.18.1
Variant: Monero - Hash Count: 1M
H/s, More Is Better
a
12605.1
b
13238.9
3K
6K
9K
12K
15K
1. (CXX) g++ options: -fexceptions -fno-rtti -maes -O3 -Ofast -static-libgcc -static-libstdc++ -rdynamic -lssl -lcrypto -luv -lpthread -lrt -ldl -lhwloc
Xmrig 6.18.1
Variant: Wownero - Hash Count: 1M
H/s, More Is Better
a
15466.9
b
15523.4
3K
6K
9K
12K
15K
1. (CXX) g++ options: -fexceptions -fno-rtti -maes -O3 -Ofast -static-libgcc -static-libstdc++ -rdynamic -lssl -lcrypto -luv -lpthread -lrt -ldl -lhwloc
JPEG XL libjxl 0.7
Input: PNG - Quality: 80
MP/s, More Is Better
a
12.02
b
12.74
3
6
9
12
15
1. (CXX) g++ options: -fno-rtti -funwind-tables -O3 -O2 -fPIE -pie -lm -latomic

JPEG XL libjxl 0.7

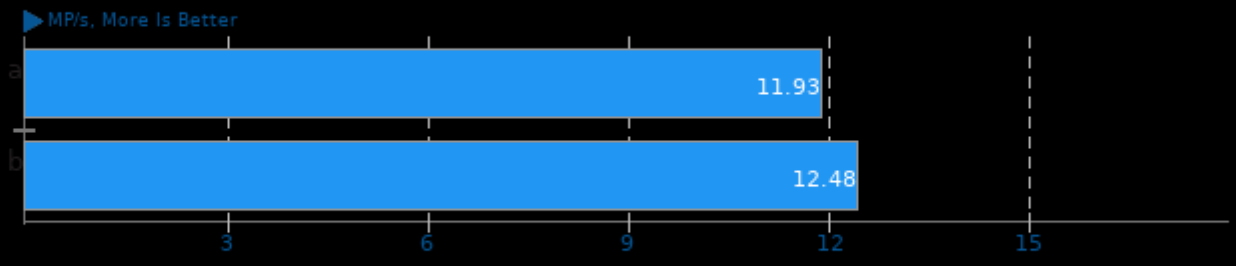
Input: PNG - Quality: 90



1. (CXX) g++ options: -fno-rtti -funwind-tables -O3 -O2 -fPIE -pie -lm -latomic

JPEG XL libjxl 0.7

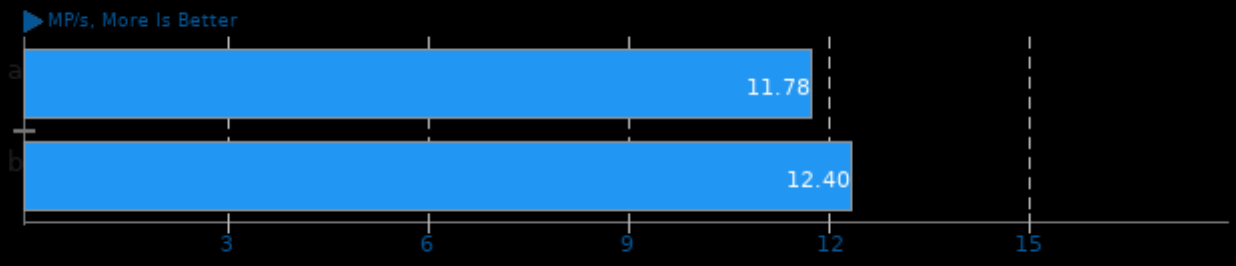
Input: JPEG - Quality: 80



1. (CXX) g++ options: -fno-rtti -funwind-tables -O3 -O2 -fPIE -pie -lm -latomic

JPEG XL libjxl 0.7

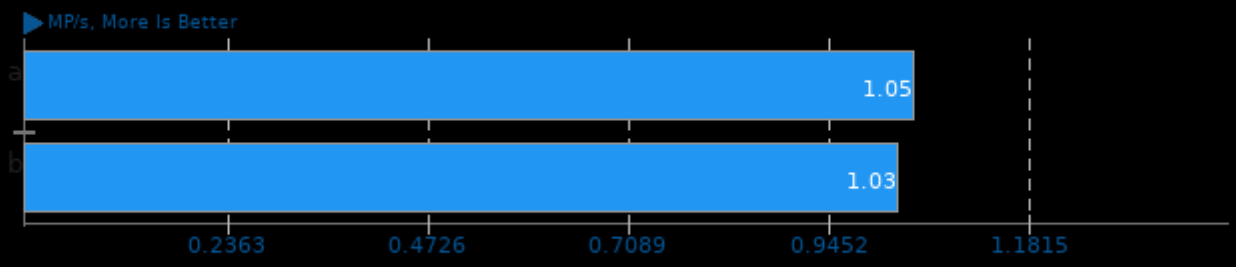
Input: JPEG - Quality: 90



1. (CXX) g++ options: -fno-rtti -funwind-tables -O3 -O2 -fPIE -pie -lm -latomic

JPEG XL libjxl 0.7

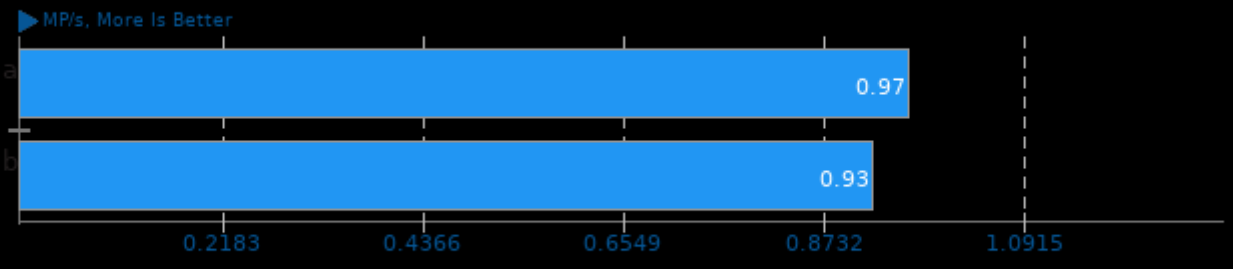
Input: PNG - Quality: 100



1. (CXX) g++ options: -fno-rtti -funwind-tables -O3 -O2 -fPIE -pie -lm -latomic

JPEG XL libjxl 0.7

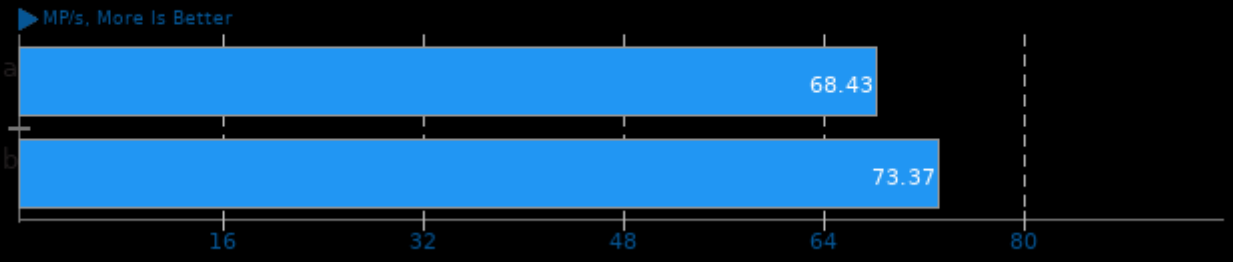
Input: JPEG - Quality: 100



1. (CXX) g++ options: -fno-rtti -funwind-tables -O3 -O2 -fPIE -pie -lm -latomic

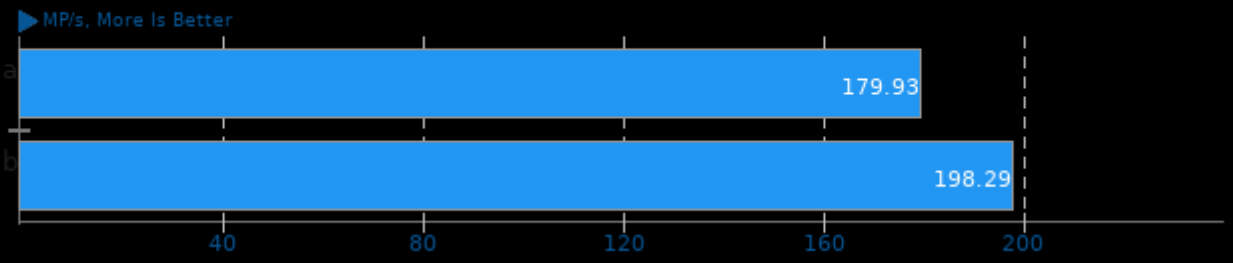
JPEG XL Decoding libjxl 0.7

CPU Threads: 1



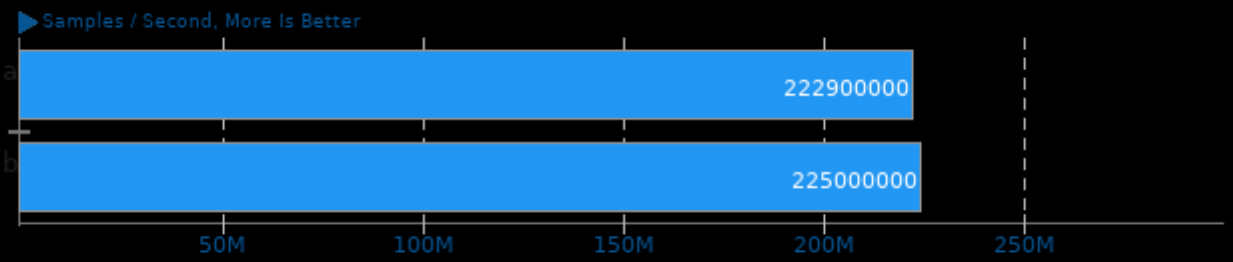
JPEG XL Decoding libjxl 0.7

CPU Threads: All

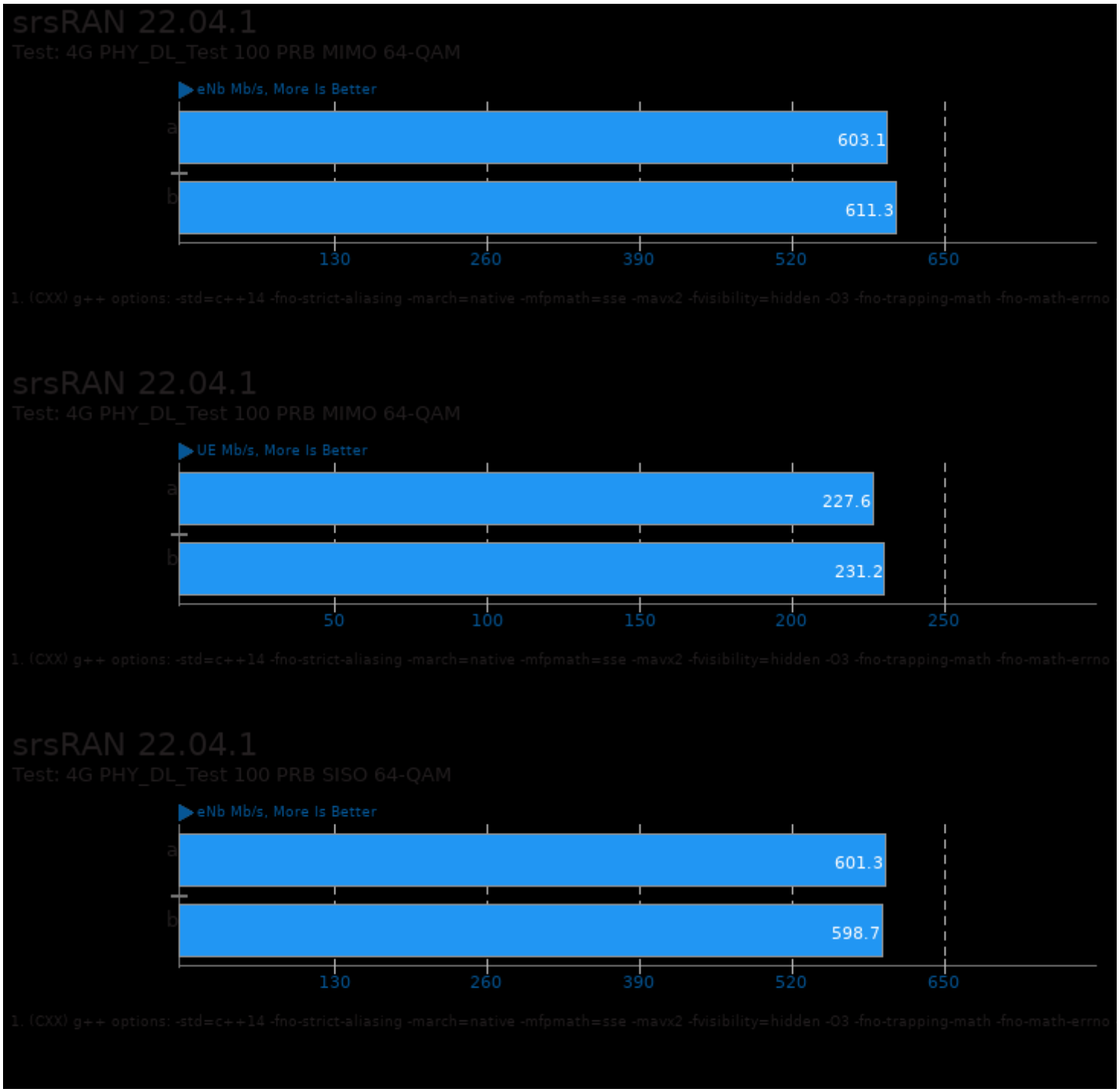


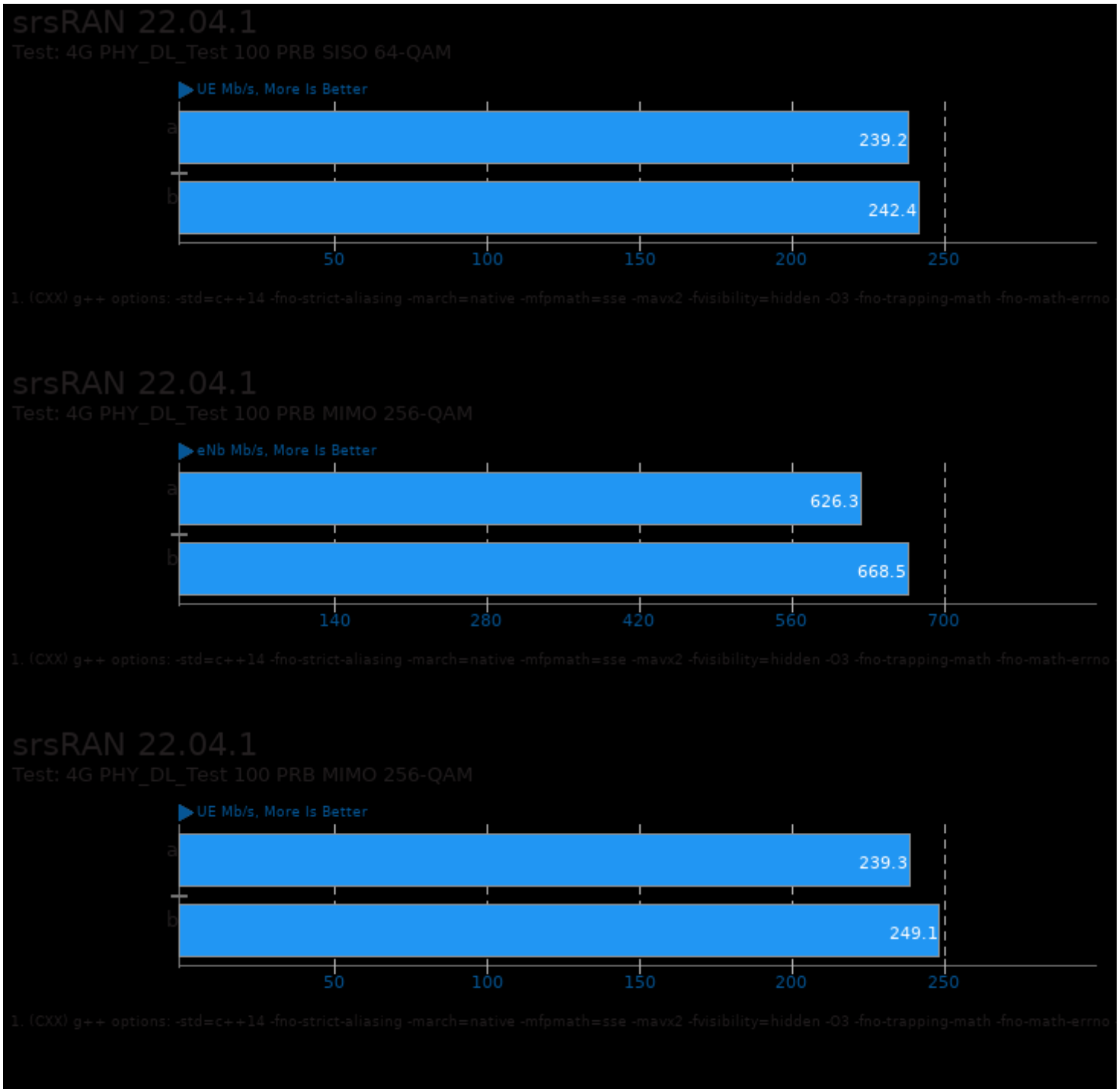
srsRAN 22.04.1

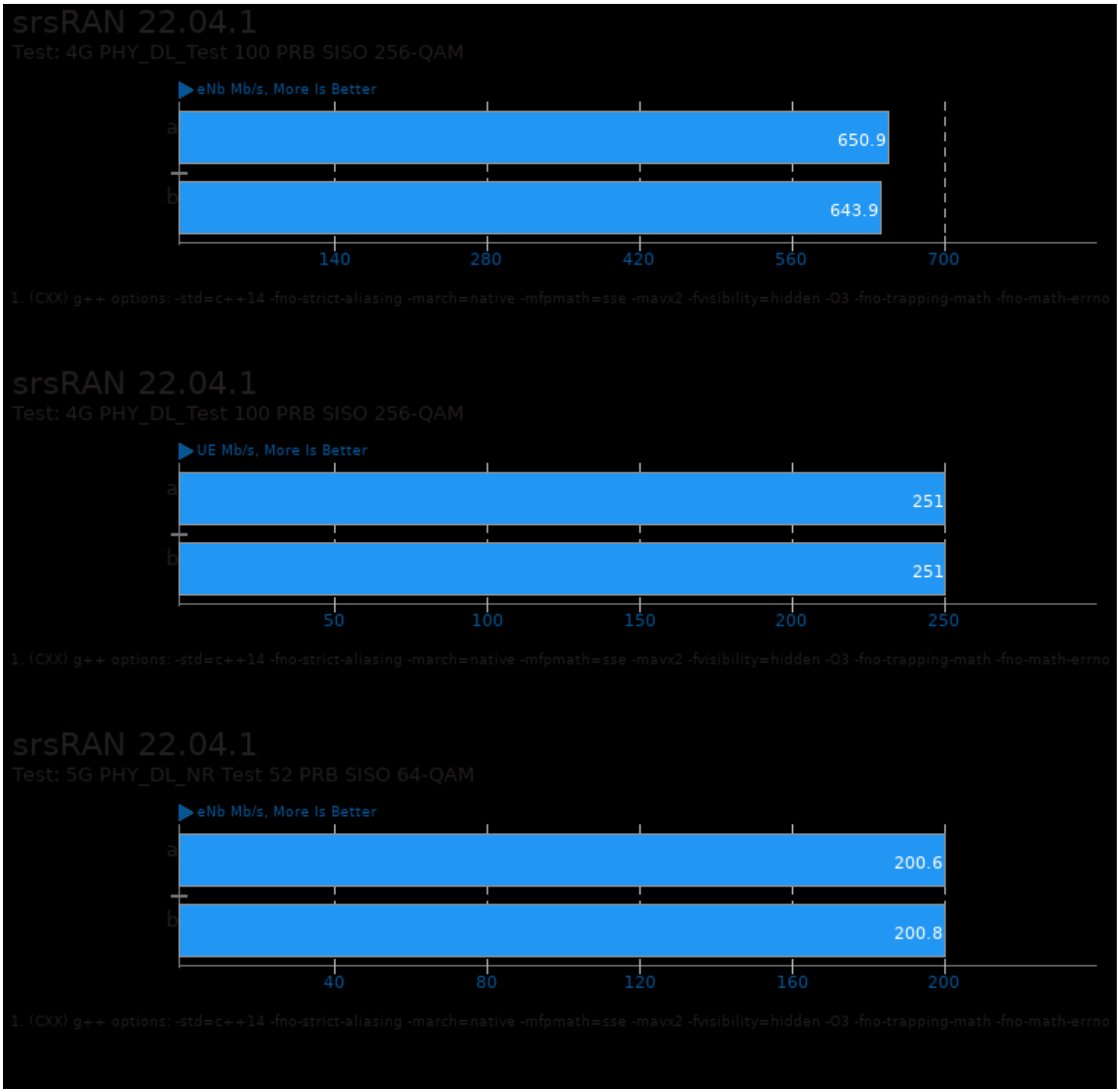
Test: OFDM_Test



1. (CXX) g++ options: -std=c++14 -fno-strict-aliasing -march=native -mfpmath=sse -mavx2 -fvisibility=hidden -O3 -fno-trapping-math -fno-math-errno

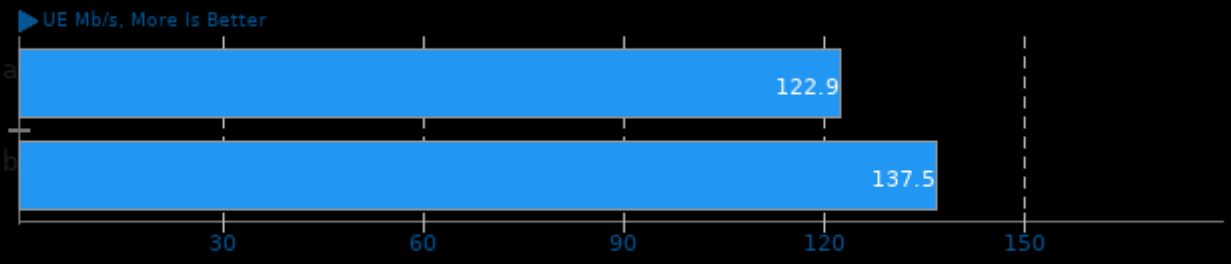

srsRAN 22.04.1
Test: 4G PHY_DL_Test 100 PRB MIMO 64-QAM
eNb Mb/s, More Is Better
a
603.1
b
611.3
130
260
390
520
650
1. (CXX) g++ options: -std=c++14 -fno-strict-aliasing -march=native -mfpmath=sse -mavx2 -fvisibility=hidden -O3 -fno-trapping-math -fno-math-errno
srsRAN 22.04.1
Test: 4G PHY_DL_Test 100 PRB MIMO 64-QAM
UE Mb/s, More Is Better
a
227.6
b
231.2
50
100
150
200
250
1. (CXX) g++ options: -std=c++14 -fno-strict-aliasing -march=native -mfpmath=sse -mavx2 -fvisibility=hidden -O3 -fno-trapping-math -fno-math-errno
srsRAN 22.04.1
Test: 4G PHY_DL_Test 100 PRB SISO 64-QAM
eNb Mb/s, More Is Better
a
601.3
b
598.7
130
260
390
520
650
1. (CXX) g++ options: -std=c++14 -fno-strict-aliasing -march=native -mfpmath=sse -mavx2 -fvisibility=hidden -O3 -fno-trapping-math -fno-math-errno


srsRAN 22.04.1
Test: 4G PHY_DL_Test 100 PRB SISO 64-QAM
UE Mb/s, More Is Better
a
239.2
b
242.4
50
100
150
200
250
1. (CXX) g++ options: -std=c++14 -fno-strict-aliasing -march=native -mfpmath=sse -mavx2 -fvisibility=hidden -O3 -fno-trapping-math -fno-math-errno
srsRAN 22.04.1
Test: 4G PHY_DL_Test 100 PRB MIMO 256-QAM
eNb Mb/s, More Is Better
a
626.3
b
668.5
140
280
420
560
700
1. (CXX) g++ options: -std=c++14 -fno-strict-aliasing -march=native -mfpmath=sse -mavx2 -fvisibility=hidden -O3 -fno-trapping-math -fno-math-errno
srsRAN 22.04.1
Test: 4G PHY_DL_Test 100 PRB MIMO 256-QAM
UE Mb/s, More Is Better
a
239.3
b
249.1
50
100
150
200
250
1. (CXX) g++ options: -std=c++14 -fno-strict-aliasing -march=native -mfpmath=sse -mavx2 -fvisibility=hidden -O3 -fno-trapping-math -fno-math-errno


srsRAN 22.04.1
Test: 4G PHY_DL_Test 100 PRB SISO 256-QAM
eNb Mb/s, More Is Better
a
650.9
b
643.9
140
280
420
560
700
1. (CXX) g++ options: -std=c++14 -fno-strict-aliasing -march=native -mfpmath=sse -mavx2 -fvisibility=hidden -O3 -fno-trapping-math -fno-math-errno
srsRAN 22.04.1
Test: 4G PHY_DL_Test 100 PRB SISO 256-QAM
UE Mb/s, More Is Better
a
251
b
251
50
100
150
200
250
1. (CXX) g++ options: -std=c++14 -fno-strict-aliasing -march=native -mfpmath=sse -mavx2 -fvisibility=hidden -O3 -fno-trapping-math -fno-math-errno
srsRAN 22.04.1
Test: 5G PHY_DL_NR Test 52 PRB SISO 64-QAM
eNb Mb/s, More Is Better
a
200.6
b
200.8
40
80
120
160
200
1. (CXX) g++ options: -std=c++14 -fno-strict-aliasing -march=native -mfpmath=sse -mavx2 -fvisibility=hidden -O3 -fno-trapping-math -fno-math-errno

srsRAN 22.04.1

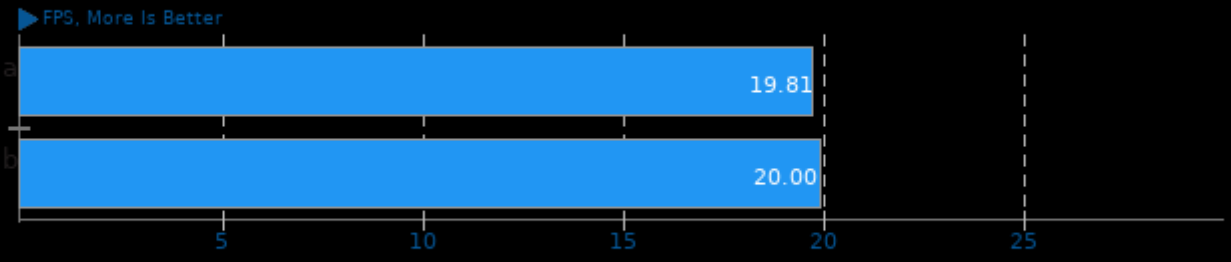
Test: 5G PHY_DL_NR Test 52 PRB SISO 64-QAM



1. (CXX) g++ options: -std=c++14 -fno-strict-aliasing -march=native -mfpmath=sse -mavx2 -fvisibility=hidden -O3 -fno-trapping-math -fno-math-errno

QuadRay 2022.05.25

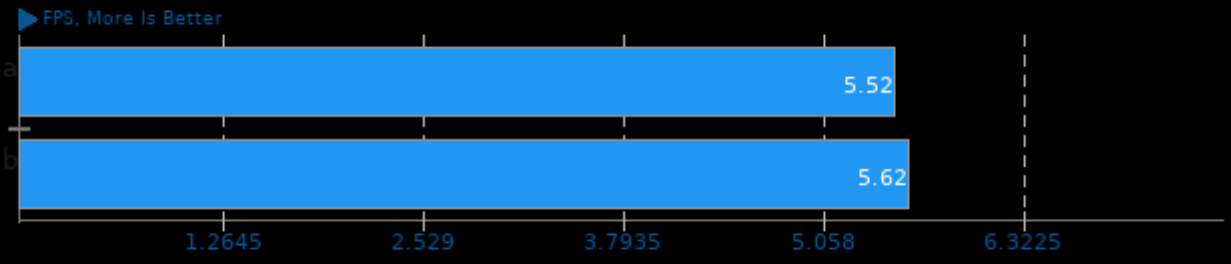
Scene: 1 - Resolution: 4K



1. (CXX) g++ options: -O3 -pthread -lm -lstdc++ -lX11 -lXext -lpthread

QuadRay 2022.05.25

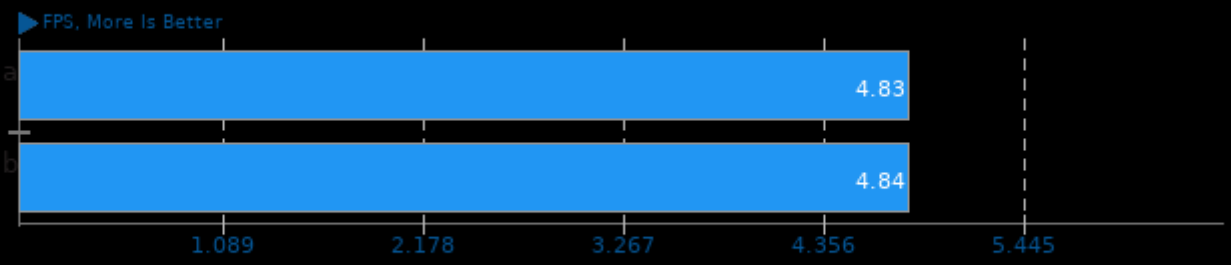
Scene: 2 - Resolution: 4K



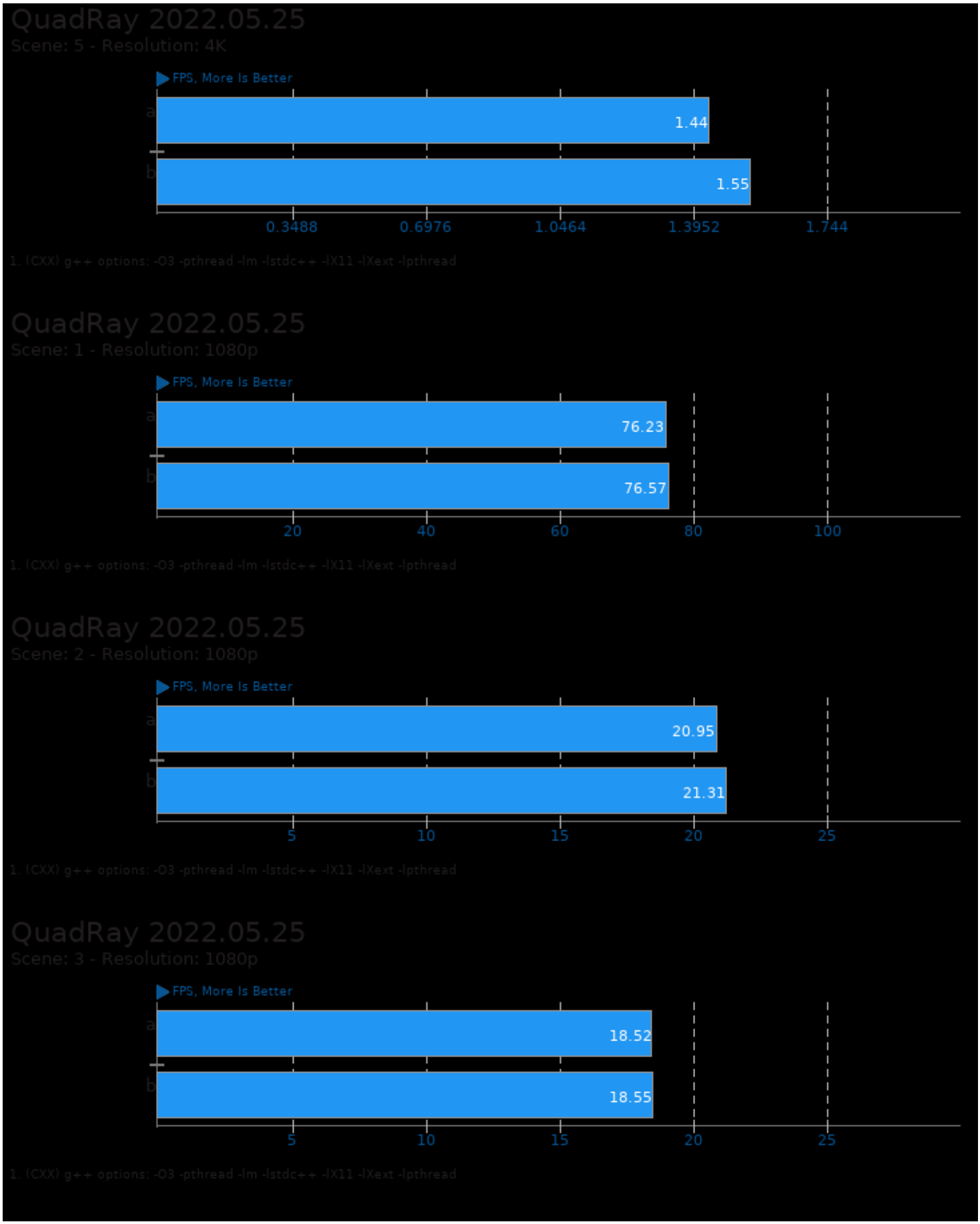
1. (CXX) g++ options: -O3 -pthread -lm -lstdc++ -lX11 -lXext -lpthread

QuadRay 2022.05.25

Scene: 3 - Resolution: 4K

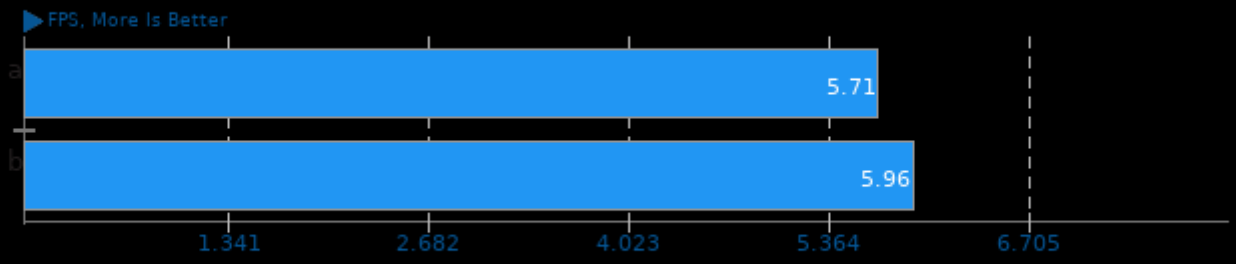


1. (CXX) g++ options: -O3 -pthread -lm -lstdc++ -lX11 -lXext -lpthread


QuadRay 2022.05.25
Scene: 5 - Resolution: 4K
FPS, More Is Better
a
1.44
b
1.55
0.3488
0.6976
1.0464
1.3952
1.744
1. (CXX) g++ options: -O3 -pthread -lm -lstdc++ -lX11 -lXext -lpthread
QuadRay 2022.05.25
Scene: 1 - Resolution: 1080p
FPS, More Is Better
a
76.23
b
76.57
20
40
60
80
100
1. (CXX) g++ options: -O3 -pthread -lm -lstdc++ -lX11 -lXext -lpthread
QuadRay 2022.05.25
Scene: 2 - Resolution: 1080p
FPS, More Is Better
a
20.95
b
21.31
5
10
15
20
25
1. (CXX) g++ options: -O3 -pthread -lm -lstdc++ -lX11 -lXext -lpthread
QuadRay 2022.05.25
Scene: 3 - Resolution: 1080p
FPS, More Is Better
a
18.52
b
18.55
5
10
15
20
25
1. (CXX) g++ options: -O3 -pthread -lm -lstdc++ -lX11 -lXext -lpthread

QuadRay 2022.05.25

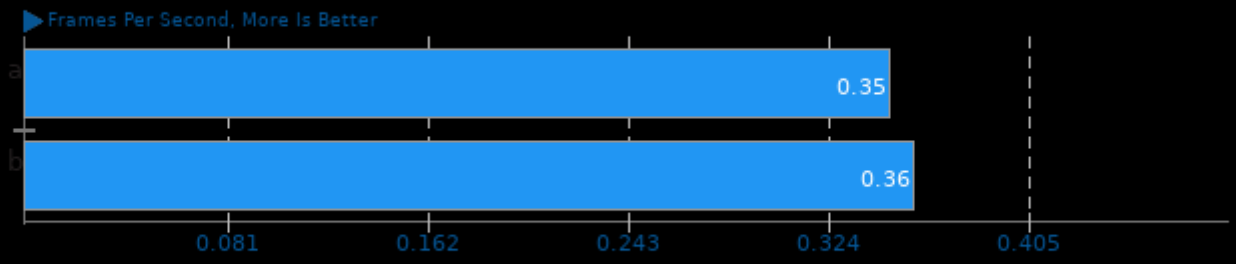
Scene: 5 - Resolution: 1080p



1. (CXX) g++ options: -O3 -pthread -lm -lstdc++ -lX11 -lXext -lpthread

AOM AV1 3.5

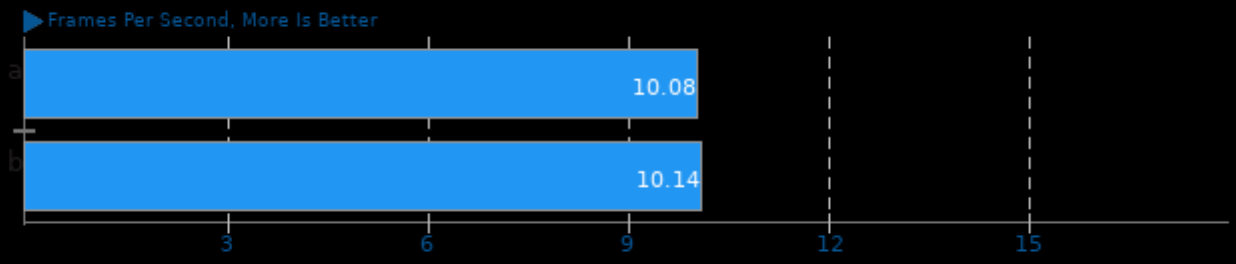
Encoder Mode: Speed 0 Two-Pass - Input: Bosphorus 4K



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

AOM AV1 3.5

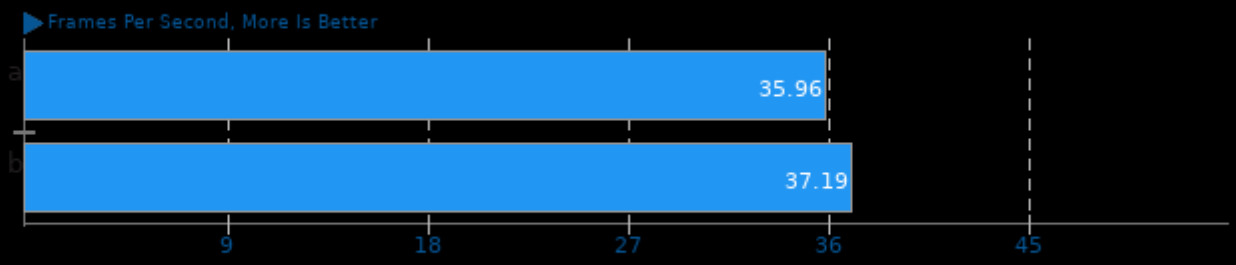
Encoder Mode: Speed 4 Two-Pass - Input: Bosphorus 4K



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

AOM AV1 3.5

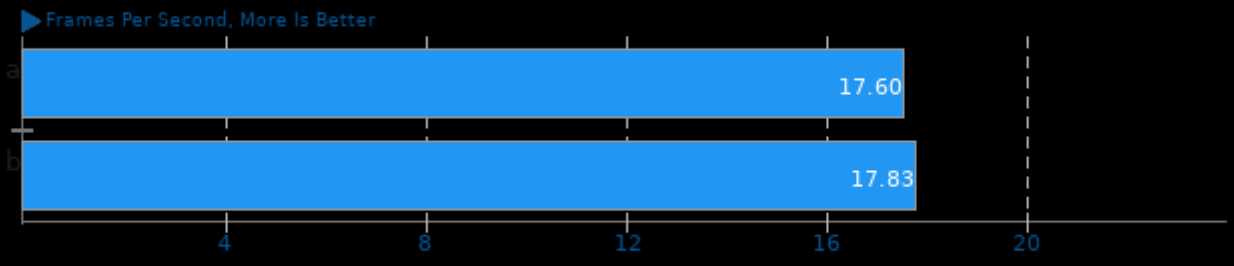
Encoder Mode: Speed 6 Realtime - Input: Bosphorus 4K



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

AOM AV1 3.5

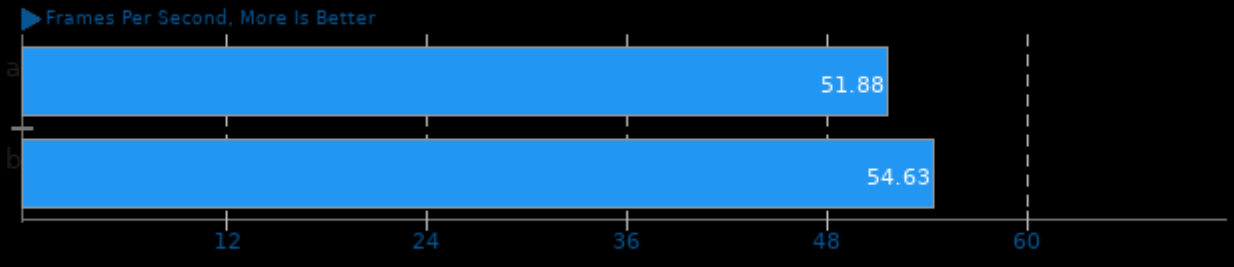
Encoder Mode: Speed 6 Two-Pass - Input: Bosphorus 4K



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

AOM AV1 3.5

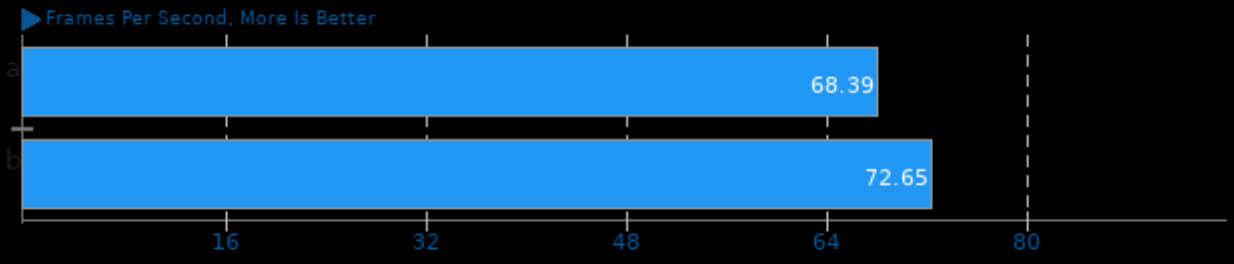
Encoder Mode: Speed 8 Realtime - Input: Bosphorus 4K



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

AOM AV1 3.5

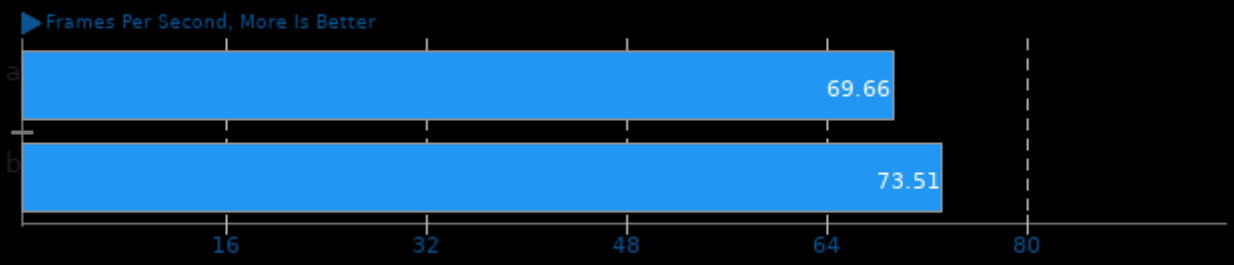
Encoder Mode: Speed 9 Realtime - Input: Bosphorus 4K



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

AOM AV1 3.5

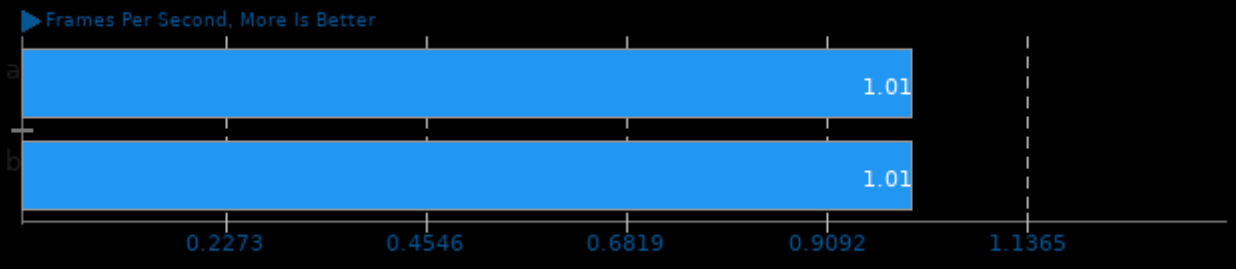
Encoder Mode: Speed 10 Realtime - Input: Bosphorus 4K



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

AOM AV1 3.5

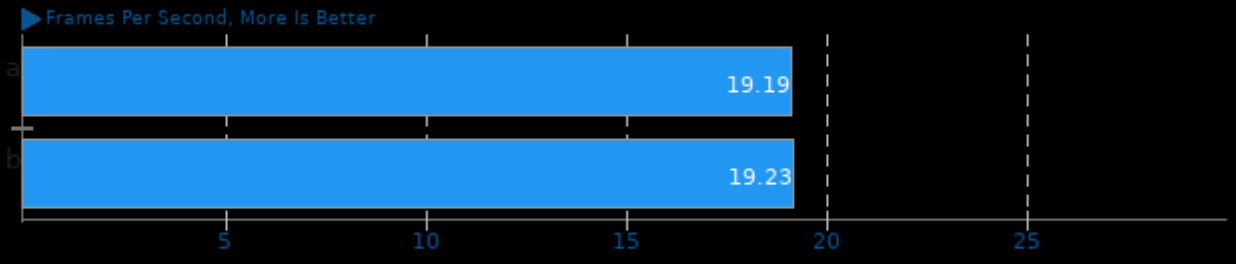
Encoder Mode: Speed 0 Two-Pass - Input: Bosphorus 1080p



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

AOM AV1 3.5

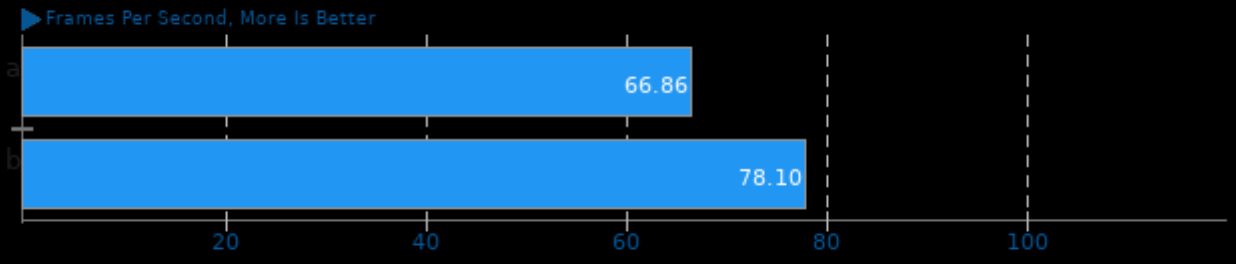
Encoder Mode: Speed 4 Two-Pass - Input: Bosphorus 1080p



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

AOM AV1 3.5

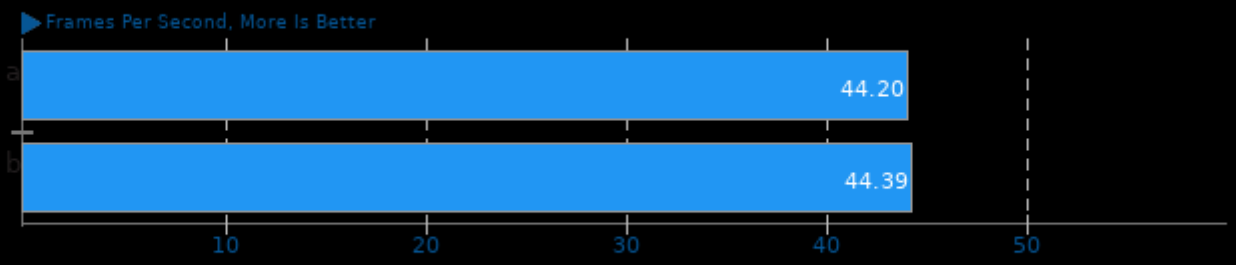
Encoder Mode: Speed 6 Realtime - Input: Bosphorus 1080p



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

AOM AV1 3.5

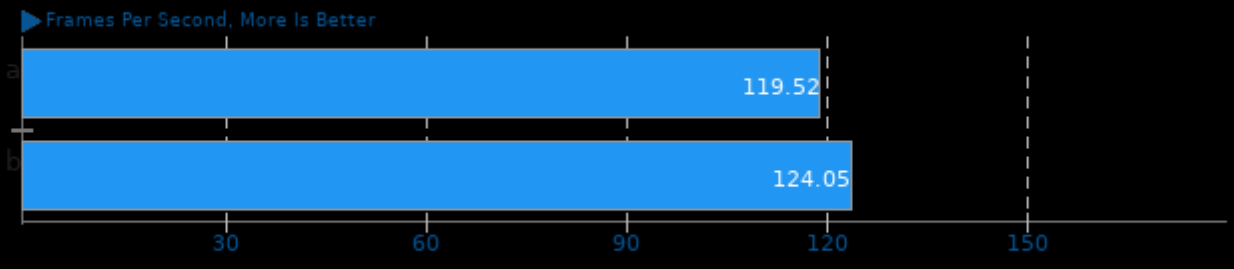
Encoder Mode: Speed 6 Two-Pass - Input: Bosphorus 1080p



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

AOM AV1 3.5

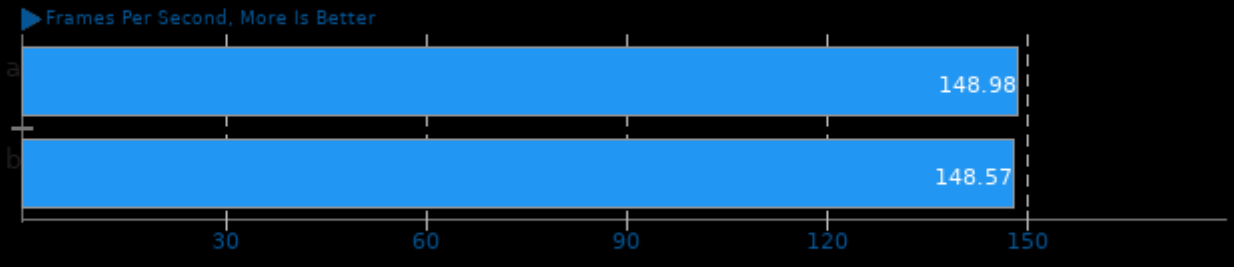
Encoder Mode: Speed 8 Realtime - Input: Bosphorus 1080p



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

AOM AV1 3.5

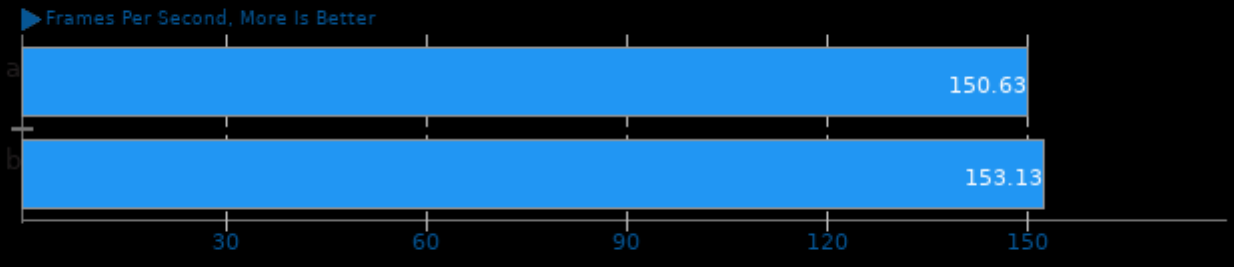
Encoder Mode: Speed 9 Realtime - Input: Bosphorus 1080p



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

AOM AV1 3.5

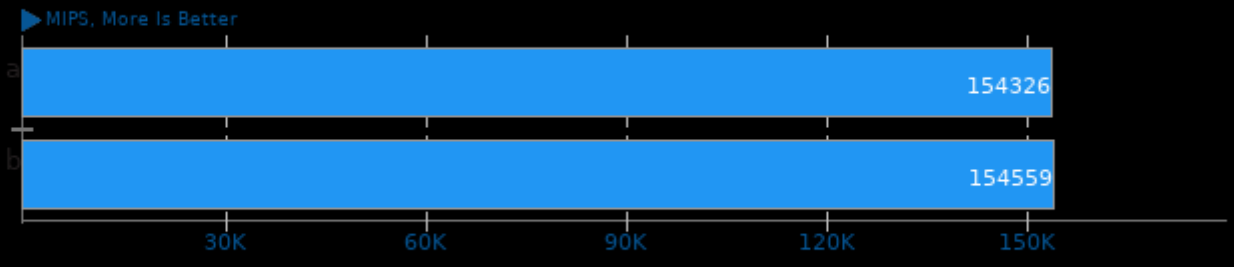
Encoder Mode: Speed 10 Realtime - Input: Bosphorus 1080p



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

7-Zip Compression 22.01

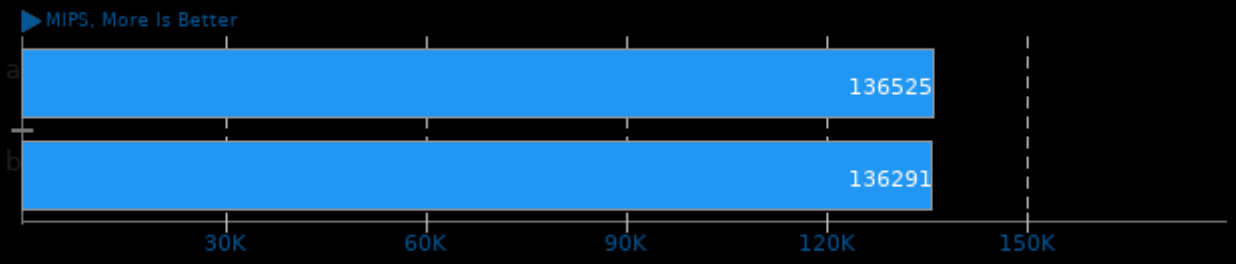
Test: Compression Rating



1. (CXX) g++ options: -lpthread -ldl -O2 -fPIC

7-Zip Compression 22.01

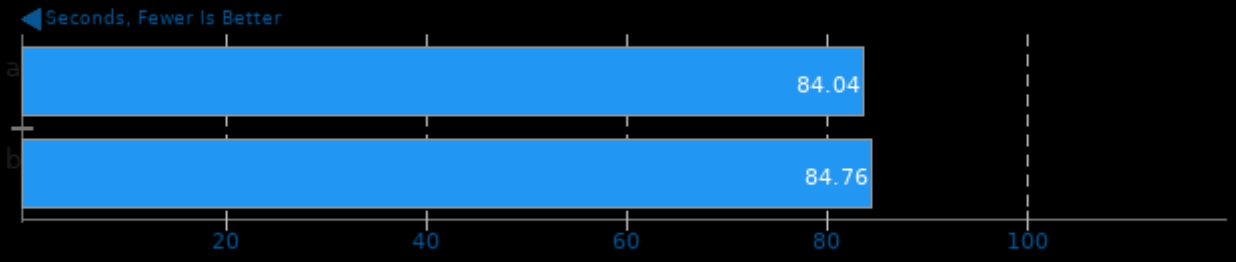
Test: Decompression Rating



1. (CXX) g++ options: -lpthread -ldl -O2 -fPIC

libavif avifenc 0.11

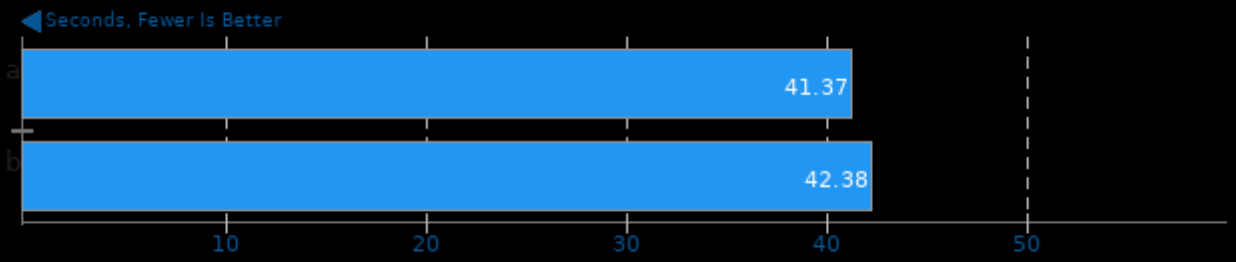
Encoder Speed: 0



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

libavif avifenc 0.11

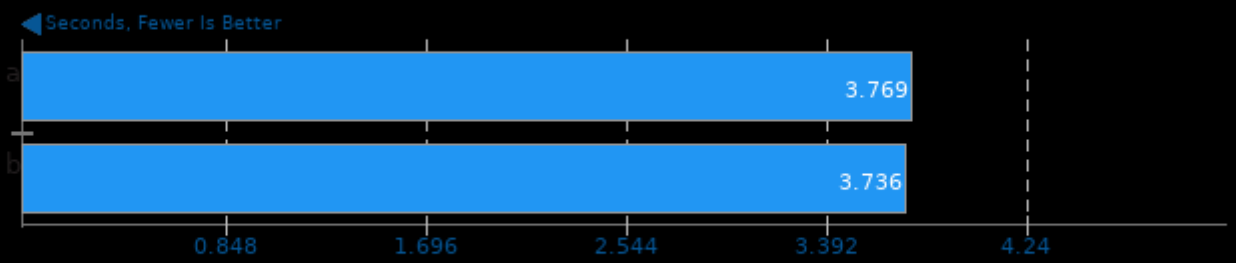
Encoder Speed: 2



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

libavif avifenc 0.11

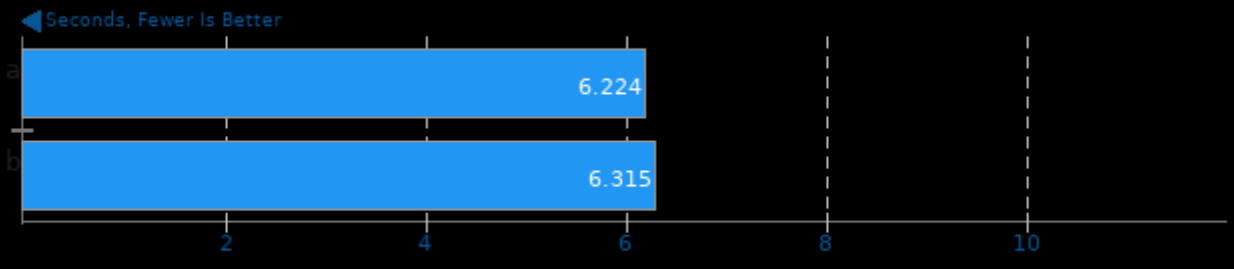
Encoder Speed: 6



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

libavif avifenc 0.11

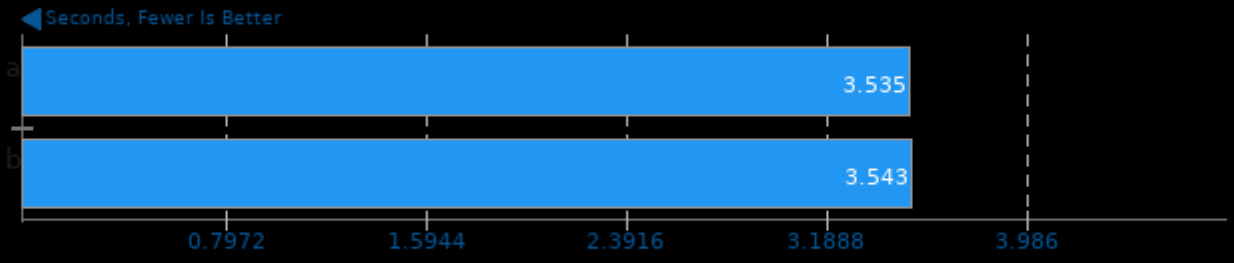
Encoder Speed: 6, Lossless



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

libavif avifenc 0.11

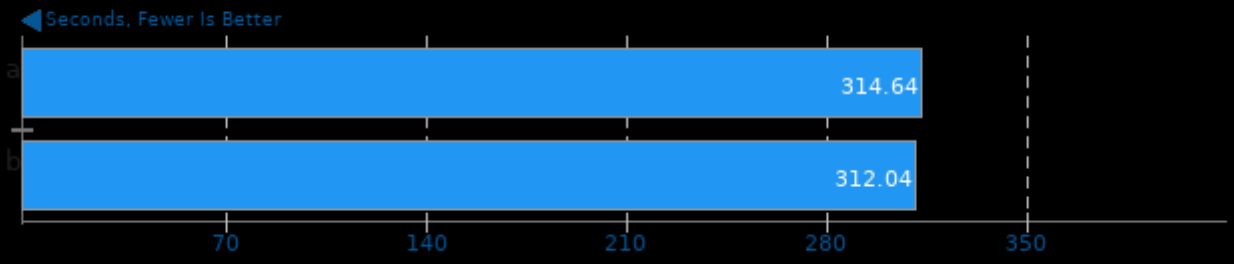
Encoder Speed: 10, Lossless



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

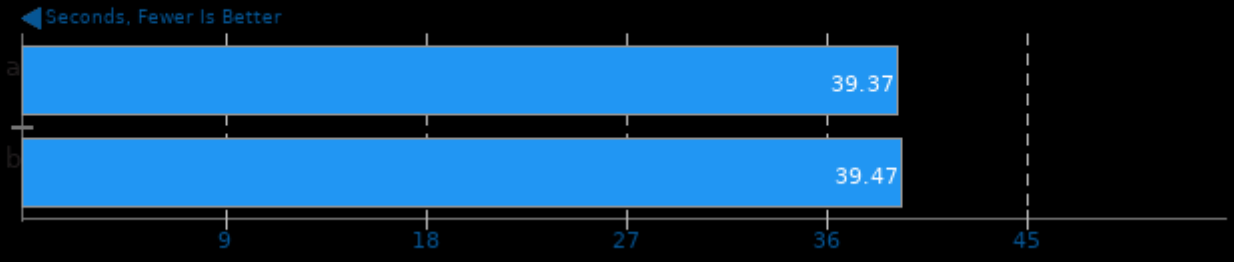
Timed Node.js Compilation 18.8

Time To Compile



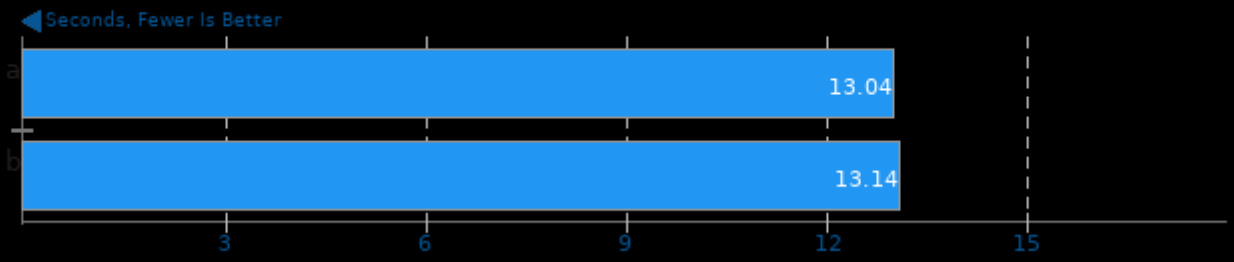
Timed PHP Compilation 8.1.9

Time To Compile



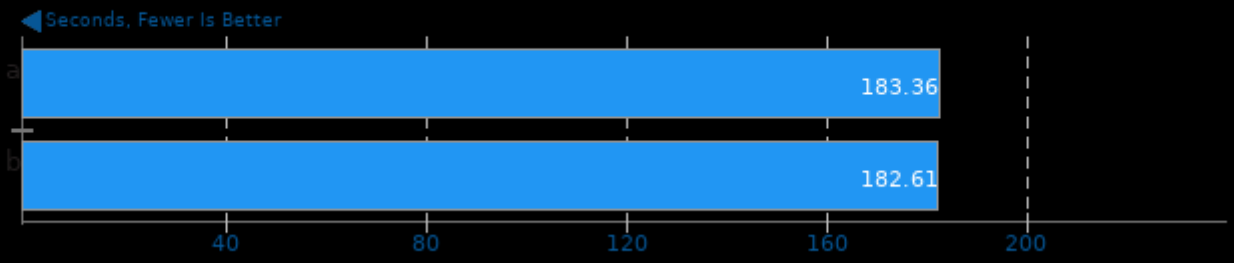
Timed CPython Compilation 3.10.6

Build Configuration: Default



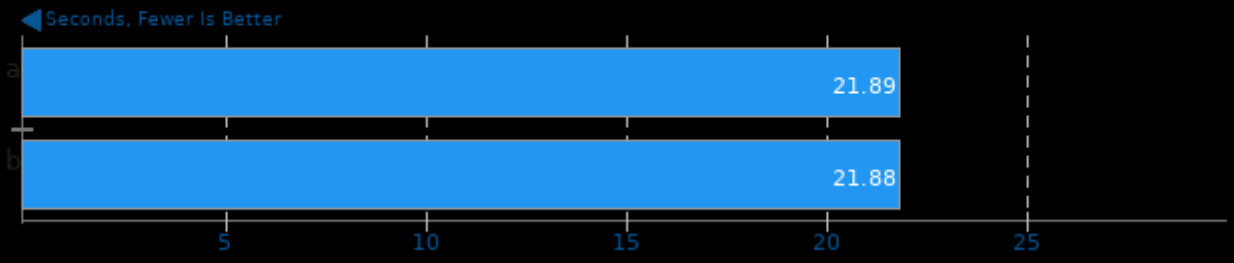
Timed CPython Compilation 3.10.6

Build Configuration: Released Build, PGO + LTO Optimized



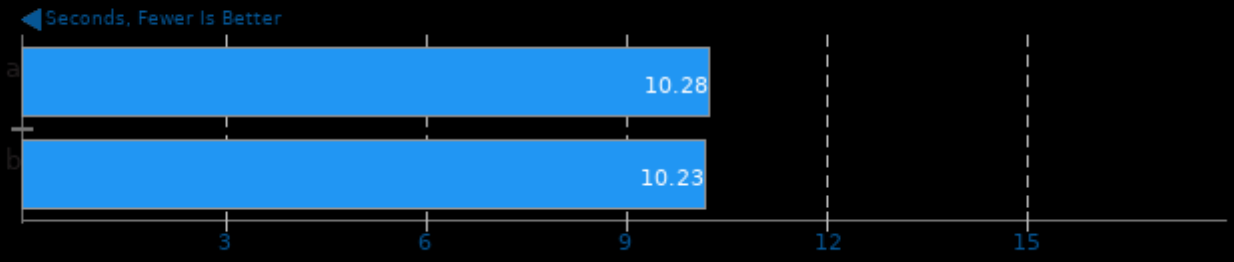
Y-Cruncher 0.7.10.9513

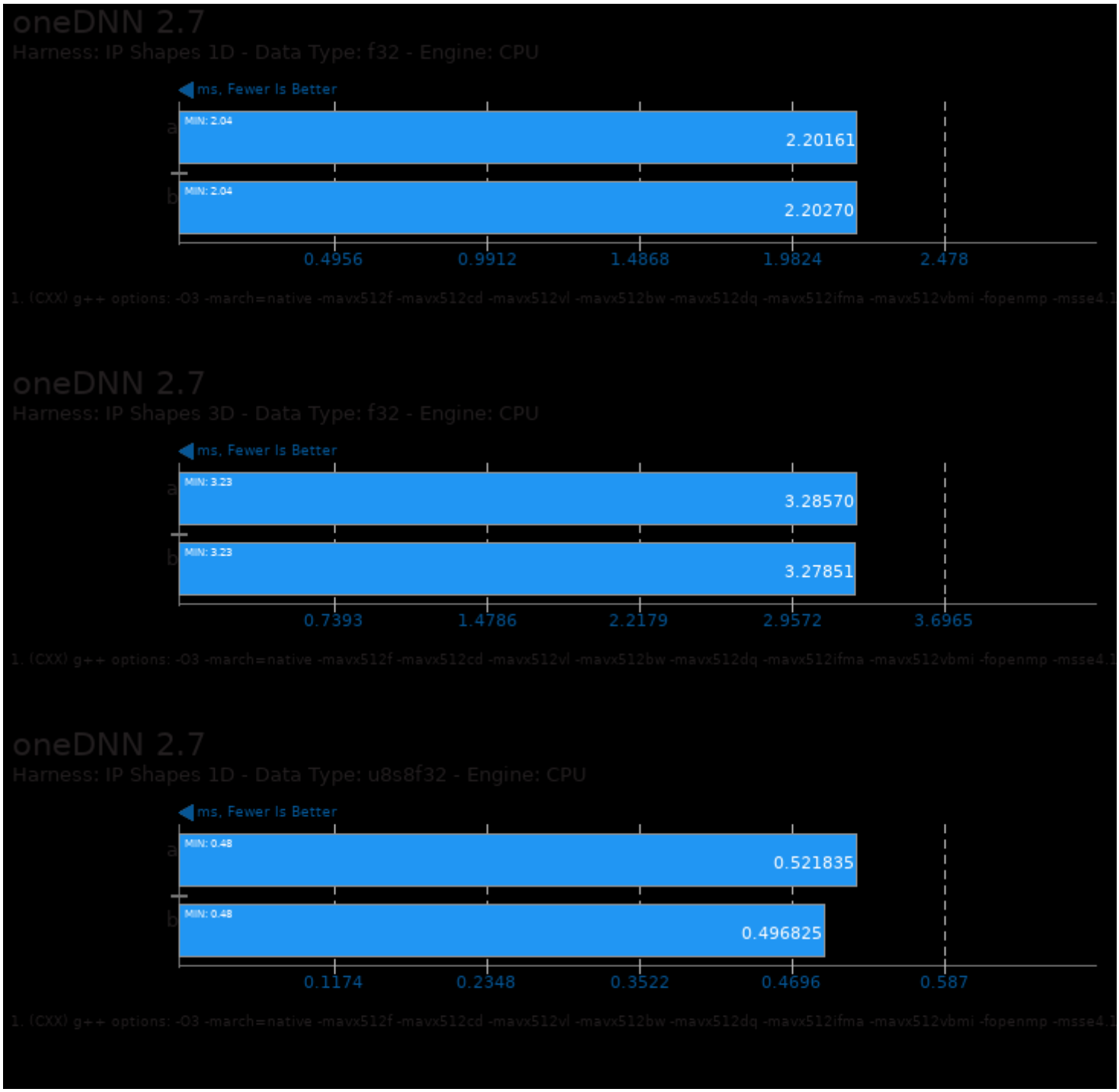
Pi Digits To Calculate: 1B

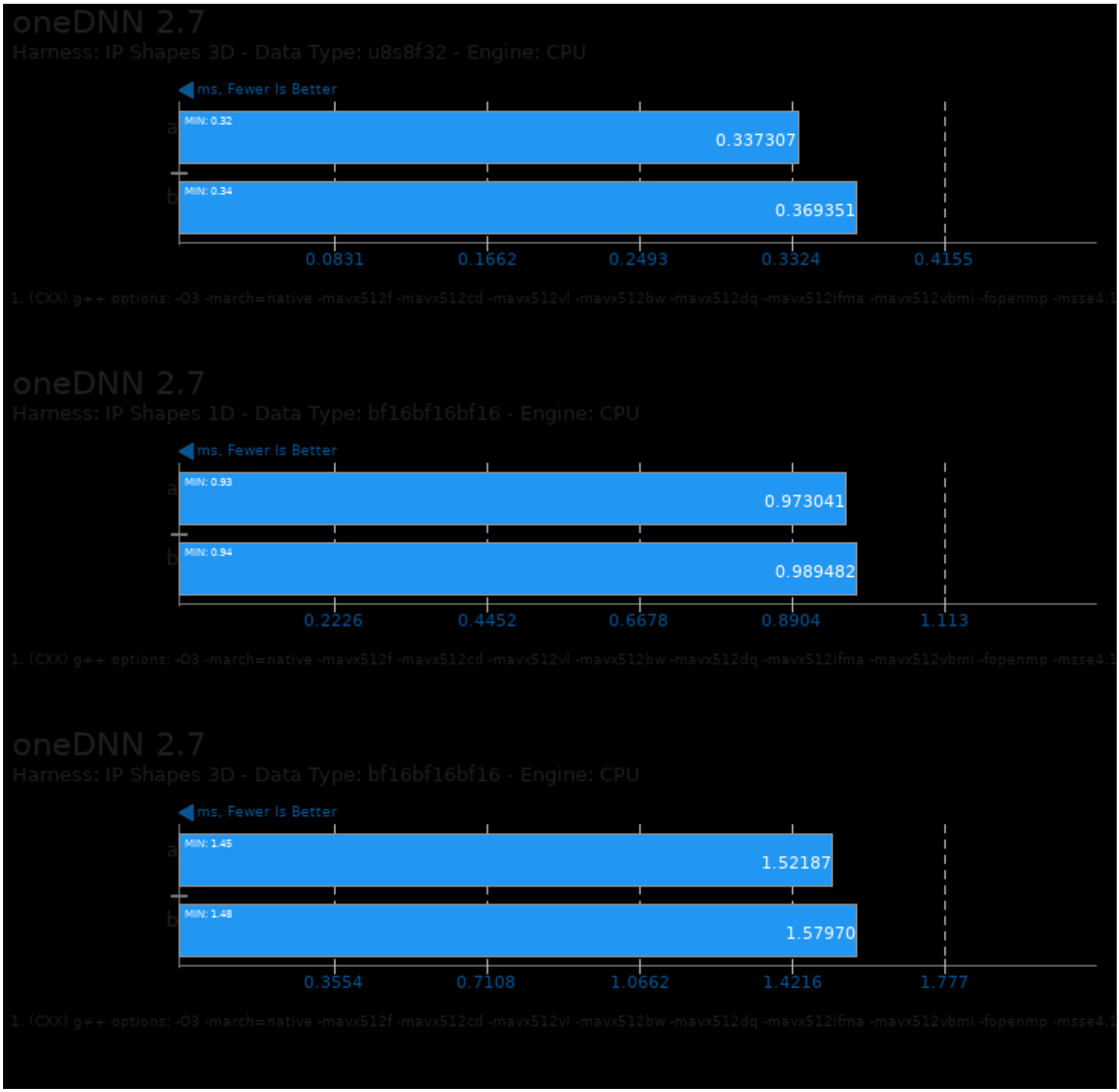


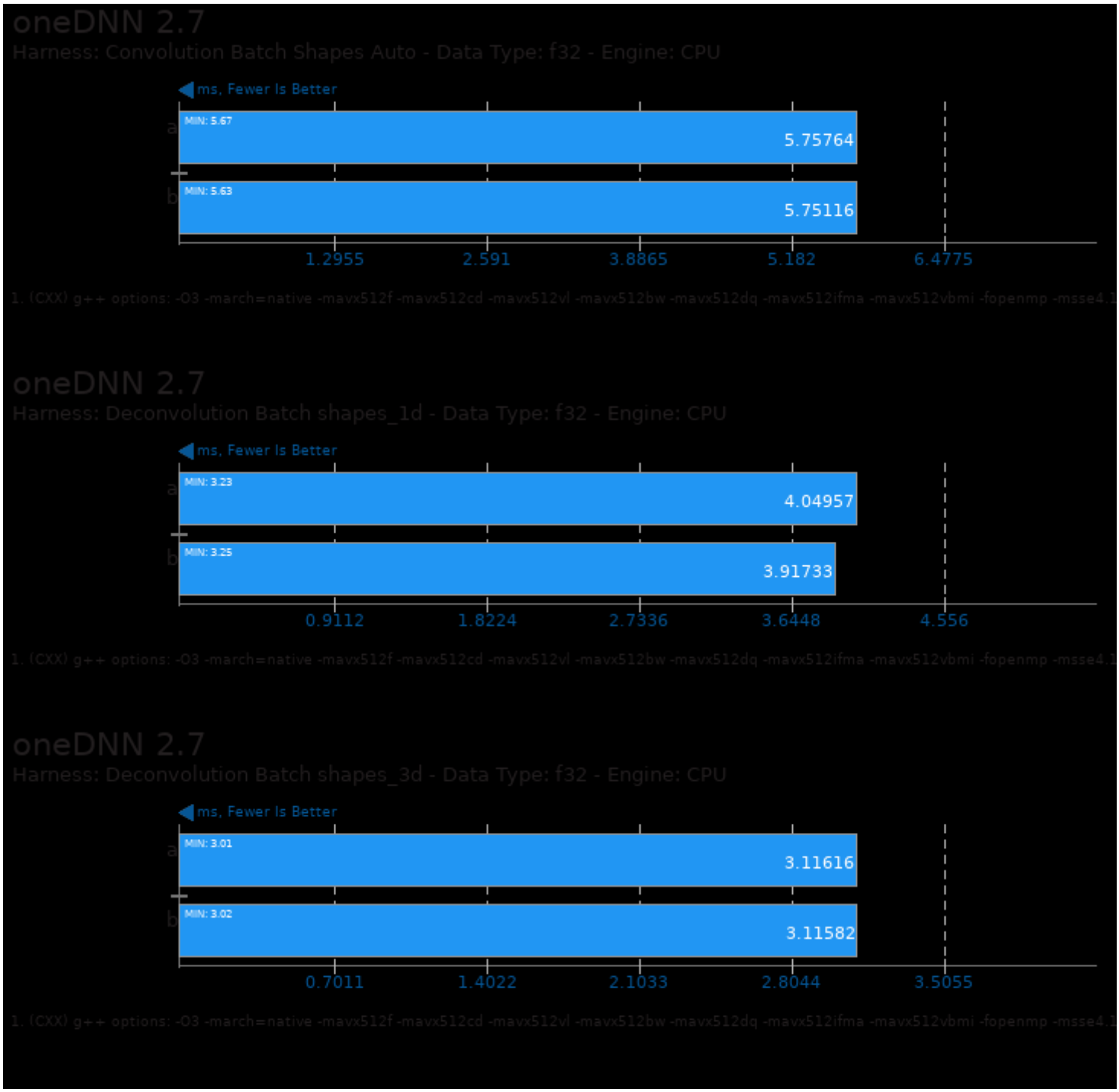
Y-Cruncher 0.7.10.9513

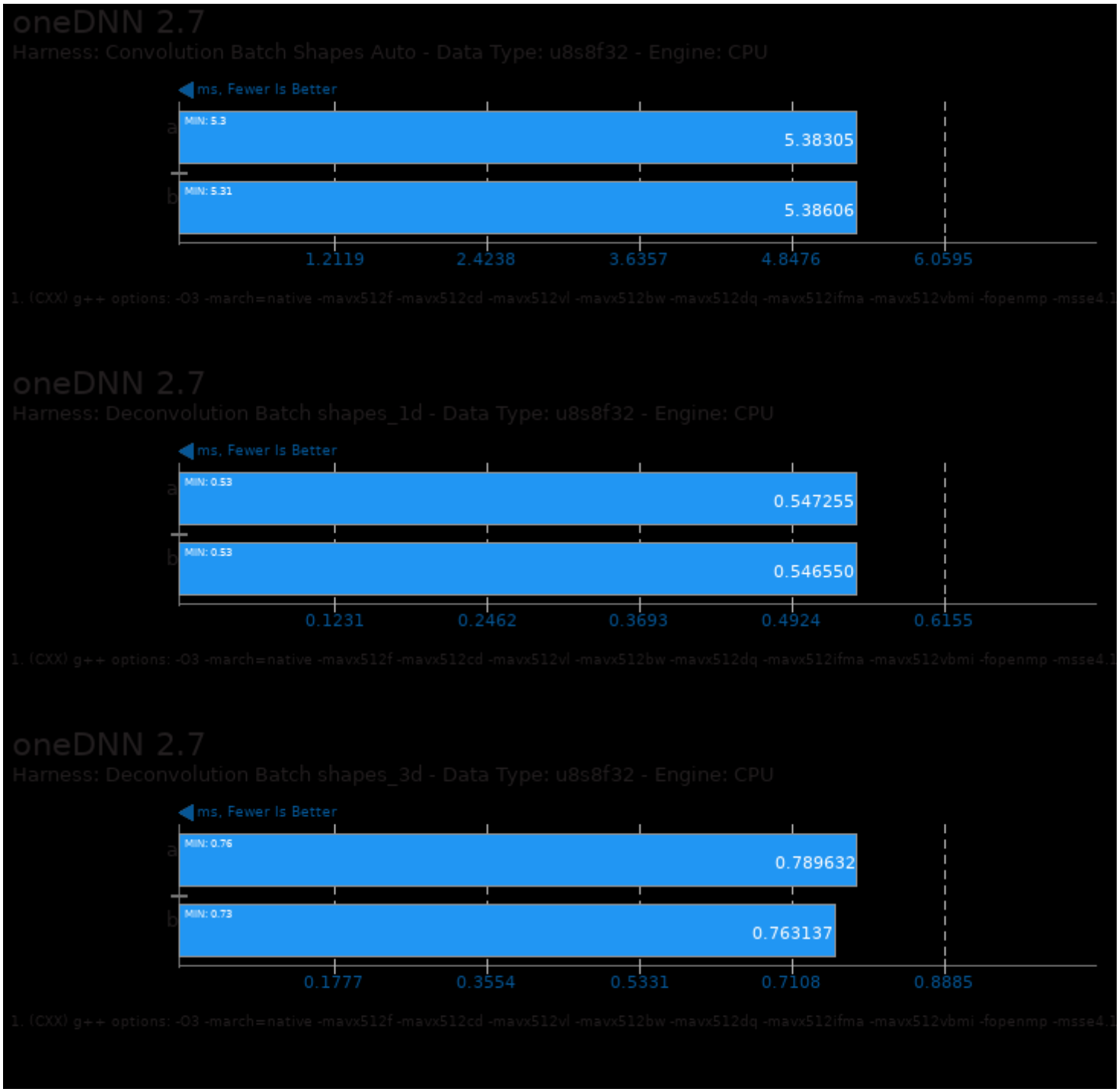
Pi Digits To Calculate: 500M

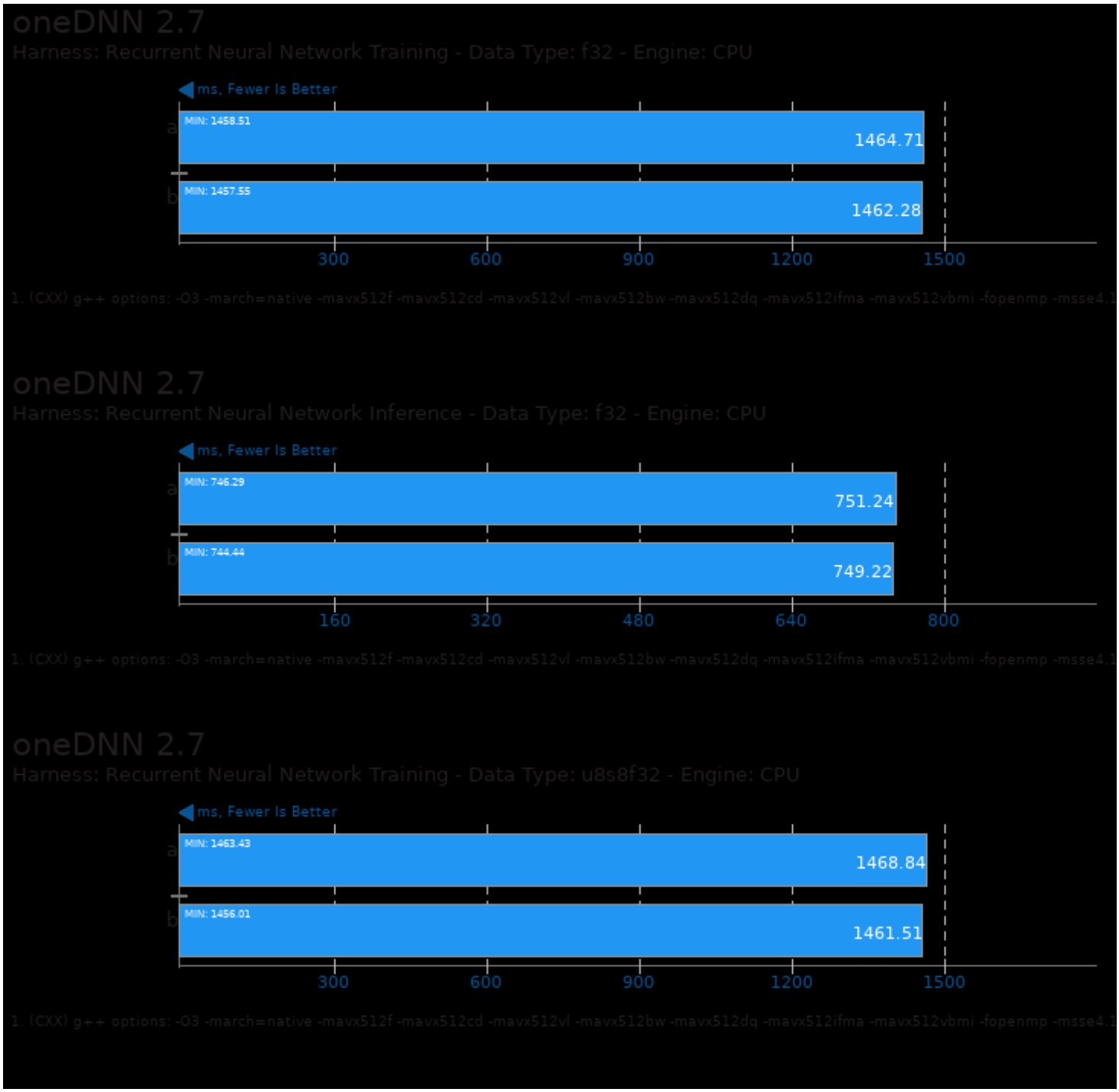


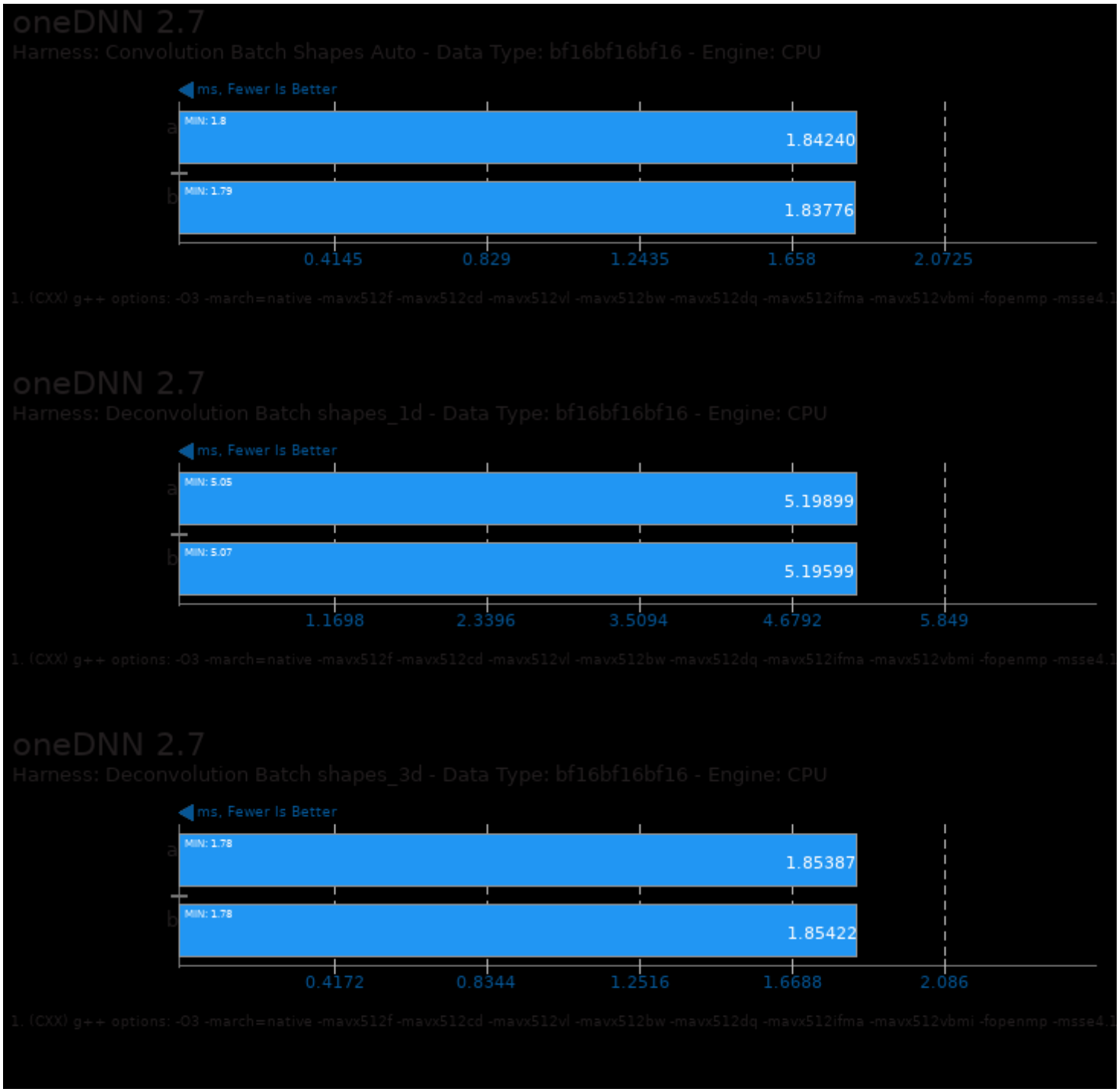

oneDNN 2.7
Harness: IP Shapes 1D - Data Type: f32 - Engine: CPU
ms, Fewer Is Better
a
MIN: 2.04
2.20161
b
MIN: 2.04
2.20270
0.4956
0.9912
1.4868
1.9824
2.478
1. (CXX) g++ options: -O3 -march=native -mavx512f -mavx512cd -mavx512vl -mavx512bw -mavx512dq -mavx512ifma -mavx512vbmi -fopenmp -msse4.1
oneDNN 2.7
Harness: IP Shapes 3D - Data Type: f32 - Engine: CPU
ms, Fewer Is Better
a
MIN: 3.23
3.28570
b
MIN: 3.23
3.27851
0.7393
1.4786
2.2179
2.9572
3.6965
1. (CXX) g++ options: -O3 -march=native -mavx512f -mavx512cd -mavx512vl -mavx512bw -mavx512dq -mavx512ifma -mavx512vbmi -fopenmp -msse4.1
oneDNN 2.7
Harness: IP Shapes 1D - Data Type: u8s8f32 - Engine: CPU
ms, Fewer Is Better
a
MIN: 0.48
0.521835
b
MIN: 0.48
0.496825
0.1174
0.2348
0.3522
0.4696
0.587
1. (CXX) g++ options: -O3 -march=native -mavx512f -mavx512cd -mavx512vl -mavx512bw -mavx512dq -mavx512ifma -mavx512vbmi -fopenmp -msse4.1

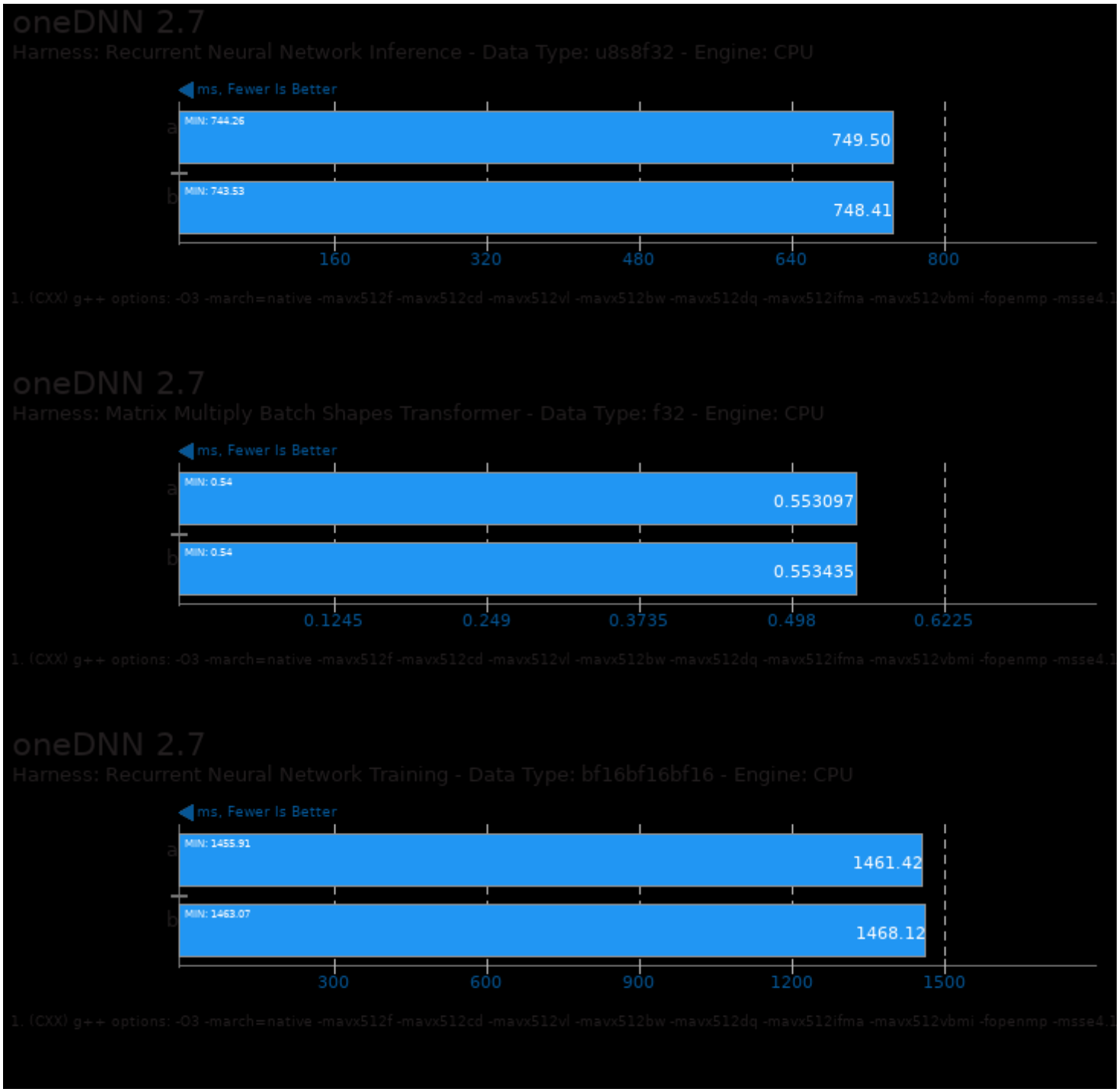

oneDNN 2.7
Harness: IP Shapes 3D - Data Type: u8s8f32 - Engine: CPU
ms, Fewer Is Better
a
MIN: 0.32
0.337307
b
MIN: 0.34
0.369351
0.0831
0.1662
0.2493
0.3324
0.4155
1. (CXX) g++ options: -O3 -march=native -mavx512f -mavx512cd -mavx512vl -mavx512bw -mavx512dq -mavx512ifma -mavx512vbmi -fopenmp -msse4.1
oneDNN 2.7
Harness: IP Shapes 1D - Data Type: bf16bf16bf16 - Engine: CPU
ms, Fewer Is Better
a
MIN: 0.93
0.973041
b
MIN: 0.94
0.989482
0.2226
0.4452
0.6678
0.8904
1.113
1. (CXX) g++ options: -O3 -march=native -mavx512f -mavx512cd -mavx512vl -mavx512bw -mavx512dq -mavx512ifma -mavx512vbmi -fopenmp -msse4.1
oneDNN 2.7
Harness: IP Shapes 3D - Data Type: bf16bf16bf16 - Engine: CPU
ms, Fewer Is Better
a
MIN: 1.45
1.52187
b
MIN: 1.48
1.57970
0.3554
0.7108
1.0662
1.4216
1.777
1. (CXX) g++ options: -O3 -march=native -mavx512f -mavx512cd -mavx512vl -mavx512bw -mavx512dq -mavx512ifma -mavx512vbmi -fopenmp -msse4.1


oneDNN 2.7
Harness: Convolution Batch Shapes Auto - Data Type: f32 - Engine: CPU
ms, Fewer Is Better
a
MIN: 5.67
5.75764
b
MIN: 5.63
5.75116
1.2955
2.591
3.8865
5.182
6.4775
1. (CXX) g++ options: -O3 -march=native -mavx512f -mavx512cd -mavx512vl -mavx512bw -mavx512dq -mavx512ifma -mavx512vbmi -fopenmp -msse4.1
oneDNN 2.7
Harness: Deconvolution Batch shapes_1d - Data Type: f32 - Engine: CPU
ms, Fewer Is Better
a
MIN: 3.23
4.04957
b
MIN: 3.25
3.91733
0.9112
1.8224
2.7336
3.6448
4.556
1. (CXX) g++ options: -O3 -march=native -mavx512f -mavx512cd -mavx512vl -mavx512bw -mavx512dq -mavx512ifma -mavx512vbmi -fopenmp -msse4.1
oneDNN 2.7
Harness: Deconvolution Batch shapes_3d - Data Type: f32 - Engine: CPU
ms, Fewer Is Better
a
MIN: 3.01
3.11616
b
MIN: 3.02
3.11582
0.7011
1.4022
2.1033
2.8044
3.5055
1. (CXX) g++ options: -O3 -march=native -mavx512f -mavx512cd -mavx512vl -mavx512bw -mavx512dq -mavx512ifma -mavx512vbmi -fopenmp -msse4.1


oneDNN 2.7
Harness: Convolution Batch Shapes Auto - Data Type: u8s8f32 - Engine: CPU
ms, Fewer Is Better
a
MIN: 5.3
5.38305
b
MIN: 5.31
5.38606
1.2119
2.4238
3.6357
4.8476
6.0595
1. (CXX) g++ options: -O3 -march=native -mavx512f -mavx512cd -mavx512vl -mavx512bw -mavx512dq -mavx512ifma -mavx512vbmi -fopenmp -msse4.1
oneDNN 2.7
Harness: Deconvolution Batch shapes_1d - Data Type: u8s8f32 - Engine: CPU
ms, Fewer Is Better
a
MIN: 0.53
0.547255
b
MIN: 0.53
0.546550
0.1231
0.2462
0.3693
0.4924
0.6155
1. (CXX) g++ options: -O3 -march=native -mavx512f -mavx512cd -mavx512vl -mavx512bw -mavx512dq -mavx512ifma -mavx512vbmi -fopenmp -msse4.1
oneDNN 2.7
Harness: Deconvolution Batch shapes_3d - Data Type: u8s8f32 - Engine: CPU
ms, Fewer Is Better
a
MIN: 0.76
0.789632
b
MIN: 0.73
0.763137
0.1777
0.3554
0.5331
0.7108
0.8885
1. (CXX) g++ options: -O3 -march=native -mavx512f -mavx512cd -mavx512vl -mavx512bw -mavx512dq -mavx512ifma -mavx512vbmi -fopenmp -msse4.1

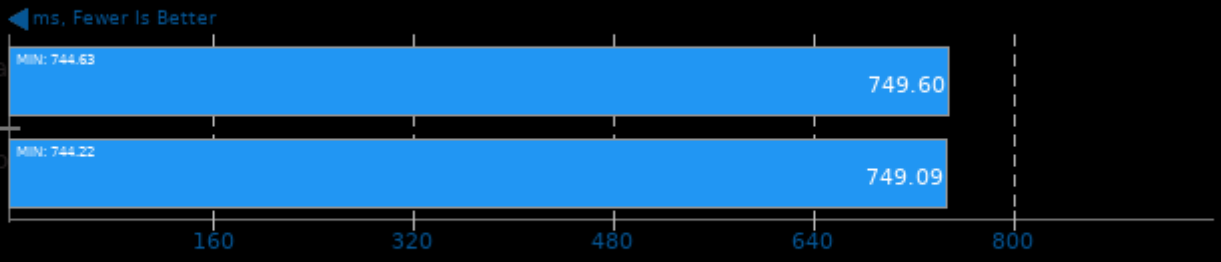

oneDNN 2.7
Harness: Recurrent Neural Network Training - Data Type: f32 - Engine: CPU
ms, Fewer Is Better
a
MIN: 1458.51
1464.71
b
MIN: 1457.55
1462.28
300
600
900
1200
1500
1. (CXX) g++ options: -O3 -march=native -mavx512f -mavx512cd -mavx512vl -mavx512bw -mavx512dq -mavx512ifma -mavx512vbmi -fopenmp -msse4.1
oneDNN 2.7
Harness: Recurrent Neural Network Inference - Data Type: f32 - Engine: CPU
ms, Fewer Is Better
a
MIN: 746.29
751.24
b
MIN: 744.44
749.22
160
320
480
640
800
1. (CXX) g++ options: -O3 -march=native -mavx512f -mavx512cd -mavx512vl -mavx512bw -mavx512dq -mavx512ifma -mavx512vbmi -fopenmp -msse4.1
oneDNN 2.7
Harness: Recurrent Neural Network Training - Data Type: u8s8f32 - Engine: CPU
ms, Fewer Is Better
a
MIN: 1463.43
1468.84
b
MIN: 1456.01
1461.51
300
600
900
1200
1500
1. (CXX) g++ options: -O3 -march=native -mavx512f -mavx512cd -mavx512vl -mavx512bw -mavx512dq -mavx512ifma -mavx512vbmi -fopenmp -msse4.1


oneDNN 2.7
Harness: Convolution Batch Shapes Auto - Data Type: bf16bf16bf16 - Engine: CPU
ms, Fewer Is Better
a
MIN: 1.8
1.84240
b
MIN: 1.79
1.83776
0.4145
0.829
1.2435
1.658
2.0725
1. (CXX) g++ options: -O3 -march=native -mavx512f -mavx512cd -mavx512vl -mavx512bw -mavx512dq -mavx512ifma -mavx512vbmi -fopenmp -msse4.1
oneDNN 2.7
Harness: Deconvolution Batch shapes_1d - Data Type: bf16bf16bf16 - Engine: CPU
ms, Fewer Is Better
a
MIN: 5.05
5.19899
b
MIN: 5.07
5.19599
1.1698
2.3396
3.5094
4.6792
5.849
1. (CXX) g++ options: -O3 -march=native -mavx512f -mavx512cd -mavx512vl -mavx512bw -mavx512dq -mavx512ifma -mavx512vbmi -fopenmp -msse4.1
oneDNN 2.7
Harness: Deconvolution Batch shapes_3d - Data Type: bf16bf16bf16 - Engine: CPU
ms, Fewer Is Better
a
MIN: 1.78
1.85387
b
MIN: 1.78
1.85422
0.4172
0.8344
1.2516
1.6688
2.086
1. (CXX) g++ options: -O3 -march=native -mavx512f -mavx512cd -mavx512vl -mavx512bw -mavx512dq -mavx512ifma -mavx512vbmi -fopenmp -msse4.1


oneDNN 2.7
Harness: Recurrent Neural Network Inference - Data Type: u8s8f32 - Engine: CPU
ms, Fewer Is Better
a
MIN: 744.26
749.50
b
MIN: 743.53
748.41
160
320
480
640
800
1. (CXX) g++ options: -O3 -march=native -mavx512f -mavx512cd -mavx512vl -mavx512bw -mavx512dq -mavx512ifma -mavx512vbmi -fopenmp -msse4.1
oneDNN 2.7
Harness: Matrix Multiply Batch Shapes Transformer - Data Type: f32 - Engine: CPU
ms, Fewer Is Better
a
MIN: 0.54
0.553097
b
MIN: 0.54
0.553435
0.1245
0.249
0.3735
0.498
0.6225
1. (CXX) g++ options: -O3 -march=native -mavx512f -mavx512cd -mavx512vl -mavx512bw -mavx512dq -mavx512ifma -mavx512vbmi -fopenmp -msse4.1
oneDNN 2.7
Harness: Recurrent Neural Network Training - Data Type: bf16bf16bf16 - Engine: CPU
ms, Fewer Is Better
a
MIN: 1455.91
1461.42
b
MIN: 1463.07
1468.12
300
600
900
1200
1500
1. (CXX) g++ options: -O3 -march=native -mavx512f -mavx512cd -mavx512vl -mavx512bw -mavx512dq -mavx512ifma -mavx512vbmi -fopenmp -msse4.1

oneDNN 2.7

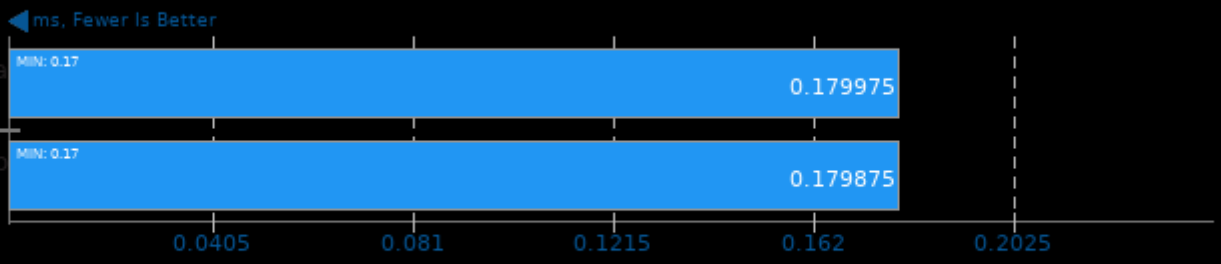
Harness: Recurrent Neural Network Inference - Data Type: bf16bf16bf16 - Engine: CPU



1. (CXX) g++ options: -O3 -march=native -mavx512f -mavx512cd -mavx512vl -mavx512bw -mavx512dq -mavx512ifma -mavx512vbmi -fopenmp -msse4.1

oneDNN 2.7

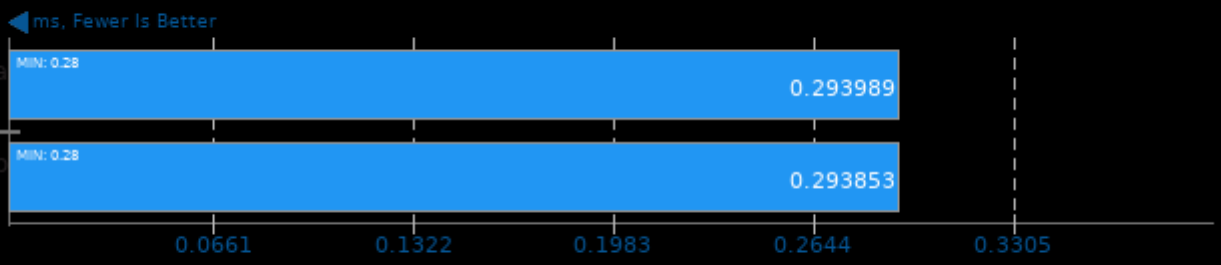
Harness: Matrix Multiply Batch Shapes Transformer - Data Type: u8s8f32 - Engine: CPU



1. (CXX) g++ options: -O3 -march=native -mavx512f -mavx512cd -mavx512vl -mavx512bw -mavx512dq -mavx512ifma -mavx512vbmi -fopenmp -msse4.1

oneDNN 2.7

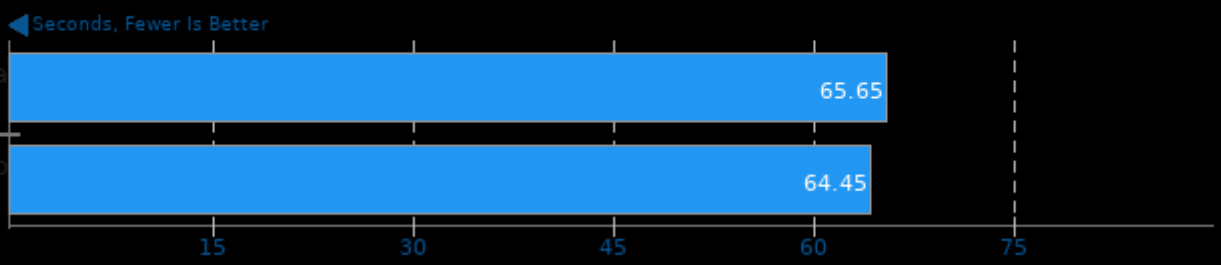
Harness: Matrix Multiply Batch Shapes Transformer - Data Type: bf16bf16bf16 - Engine: CPU



1. (CXX) g++ options: -O3 -march=native -mavx512f -mavx512cd -mavx512vl -mavx512bw -mavx512dq -mavx512ifma -mavx512vbmi -fopenmp -msse4.1

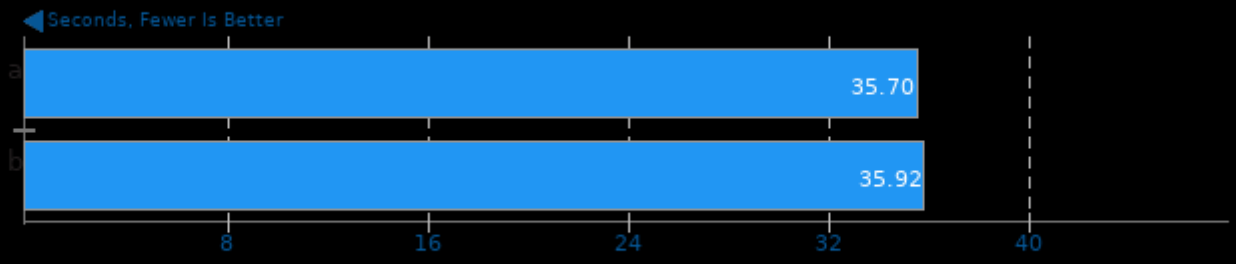
Timed Erlang/OTP Compilation 25.0

Time To Compile



Timed Wasmer Compilation 2.3

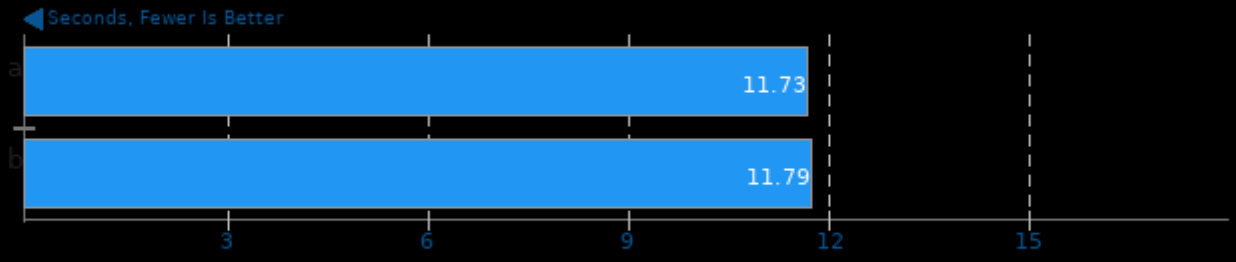
Time To Compile



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

FLAC Audio Encoding 1.4

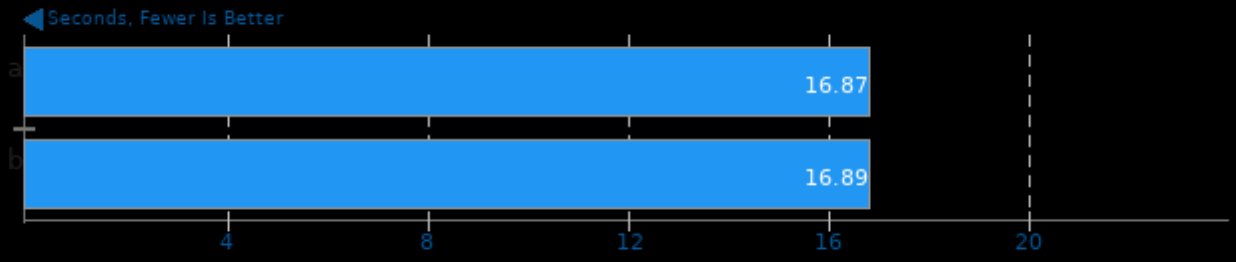
WAV To FLAC



1. (CXX) g++ options: -O3 -fvisibility=hidden -logg -lm

FFmpeg 5.1.2

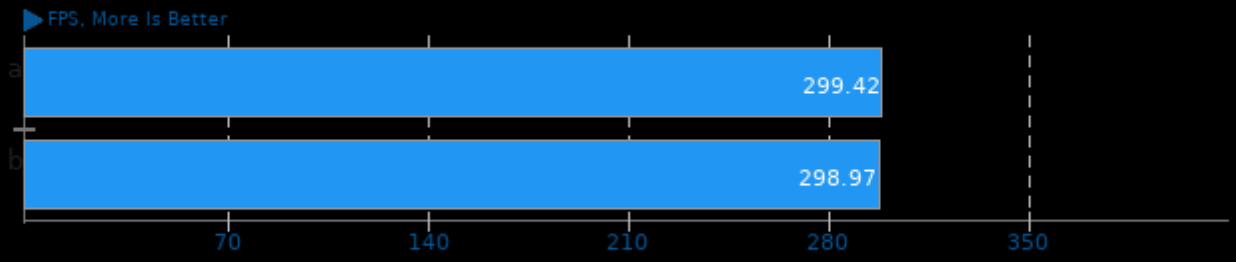
Encoder: libx264 - Scenario: Live



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

FFmpeg 5.1.2

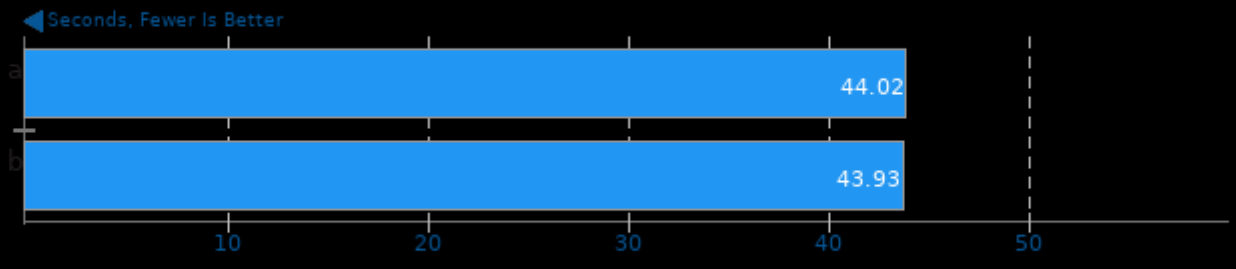
Encoder: libx264 - Scenario: Live



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

FFmpeg 5.1.2

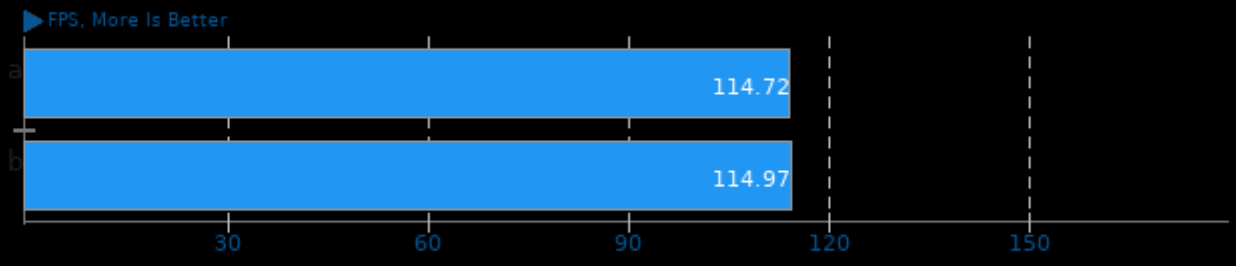
Encoder: libx265 - Scenario: Live



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

FFmpeg 5.1.2

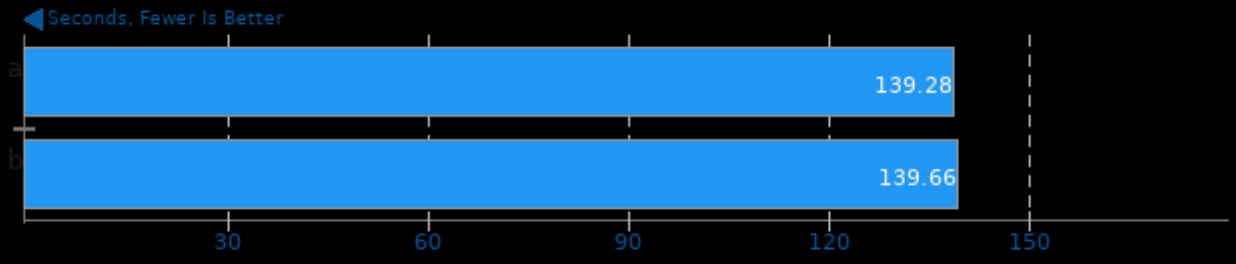
Encoder: libx265 - Scenario: Live



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

FFmpeg 5.1.2

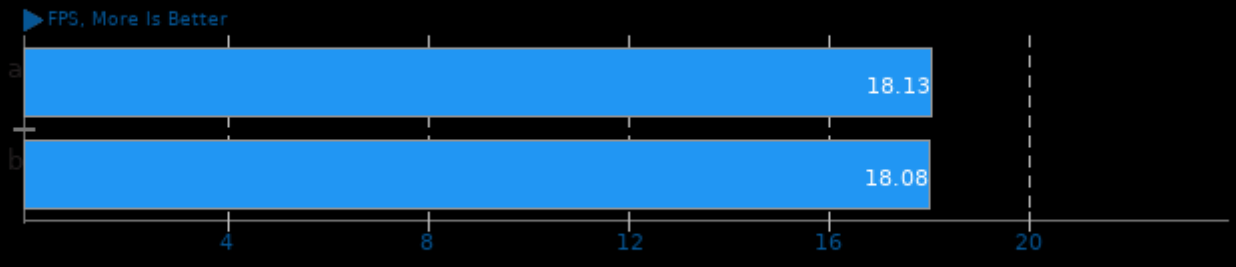
Encoder: libx264 - Scenario: Upload



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

FFmpeg 5.1.2

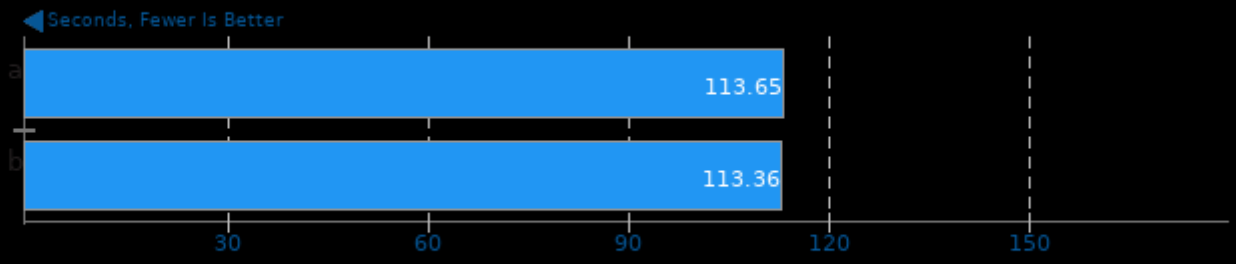
Encoder: libx264 - Scenario: Upload



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

FFmpeg 5.1.2

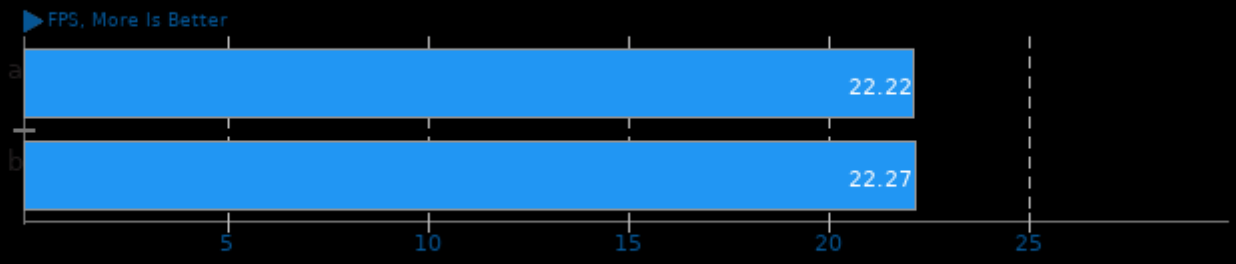
Encoder: libx265 - Scenario: Upload



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

FFmpeg 5.1.2

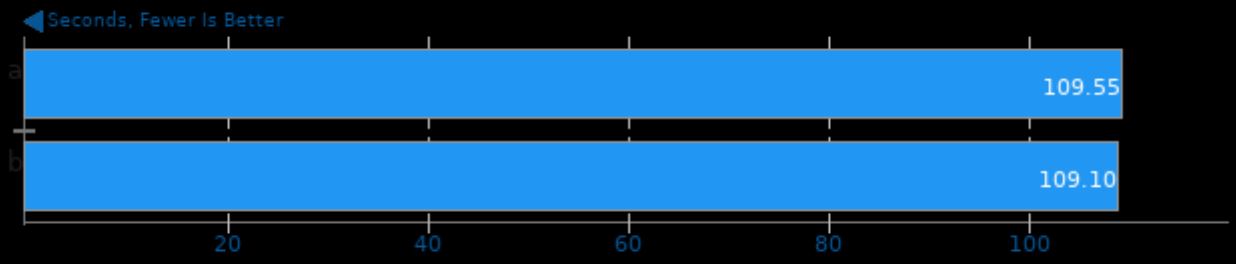
Encoder: libx265 - Scenario: Upload



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

FFmpeg 5.1.2

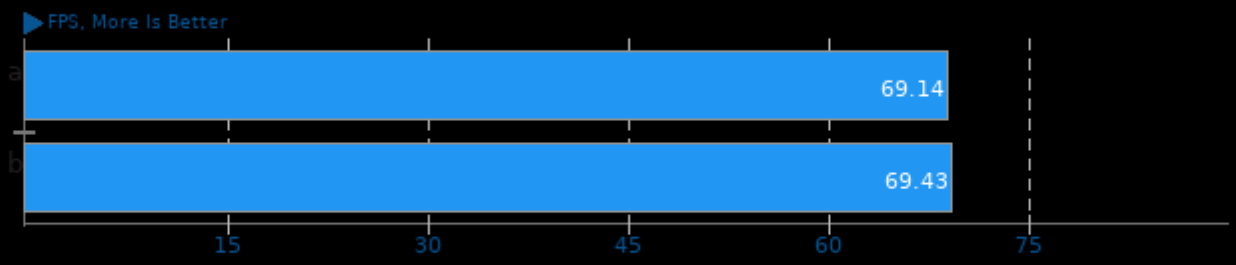
Encoder: libx264 - Scenario: Platform



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

FFmpeg 5.1.2

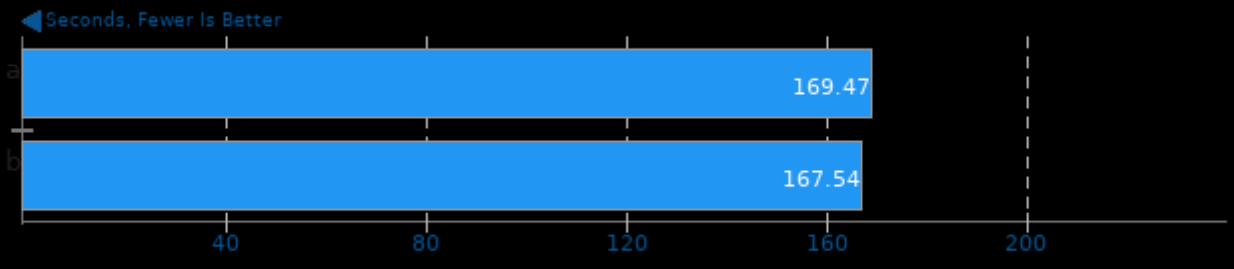
Encoder: libx264 - Scenario: Platform



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

FFmpeg 5.1.2

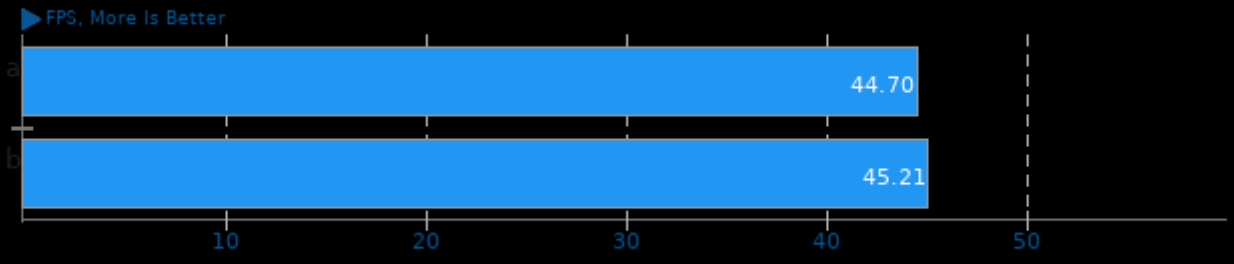
Encoder: libx265 - Scenario: Platform



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

FFmpeg 5.1.2

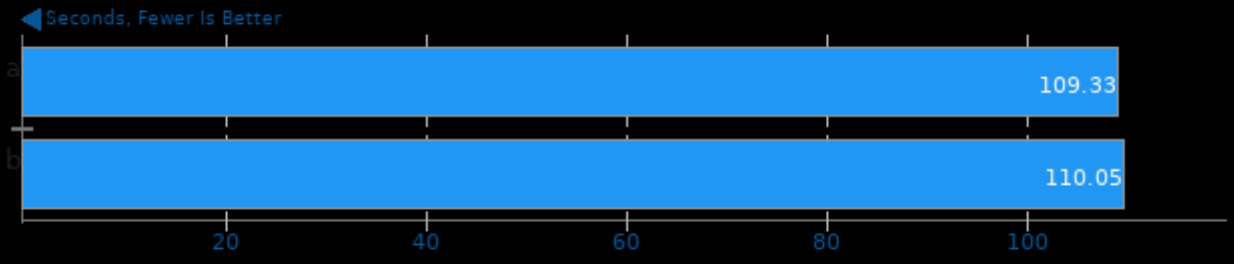
Encoder: libx265 - Scenario: Platform



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

FFmpeg 5.1.2

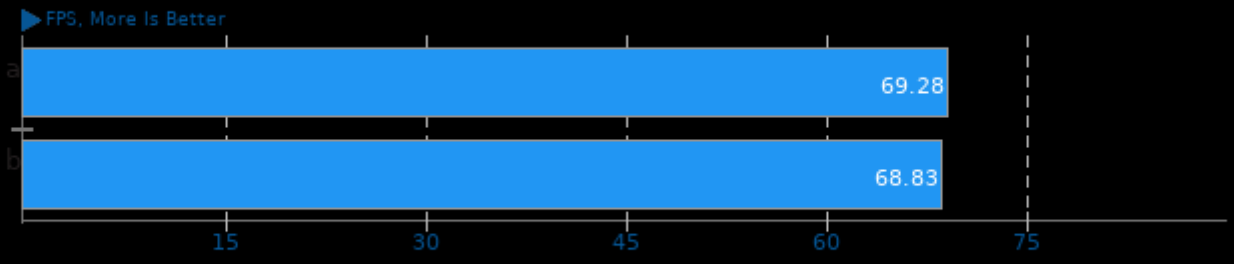
Encoder: libx264 - Scenario: Video On Demand



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

FFmpeg 5.1.2

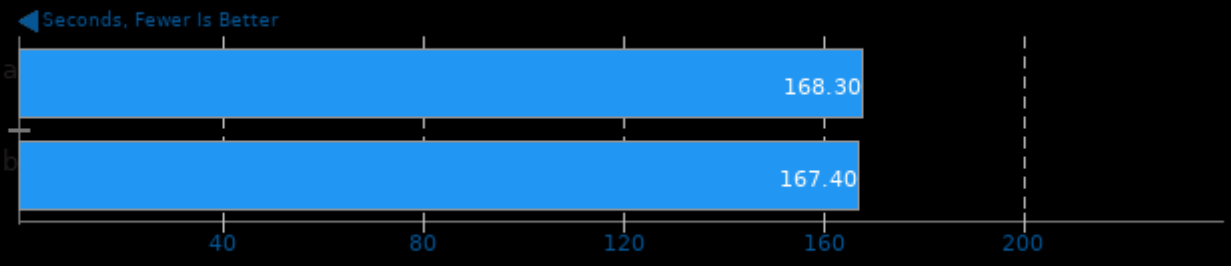
Encoder: libx264 - Scenario: Video On Demand



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

FFmpeg 5.1.2

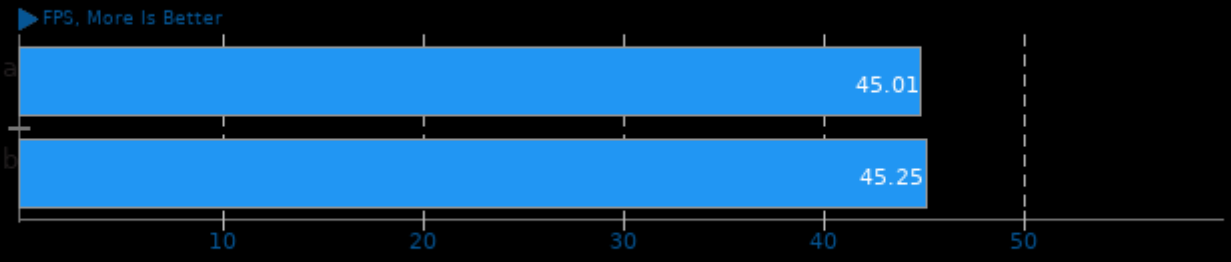
Encoder: libx265 - Scenario: Video On Demand



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

FFmpeg 5.1.2

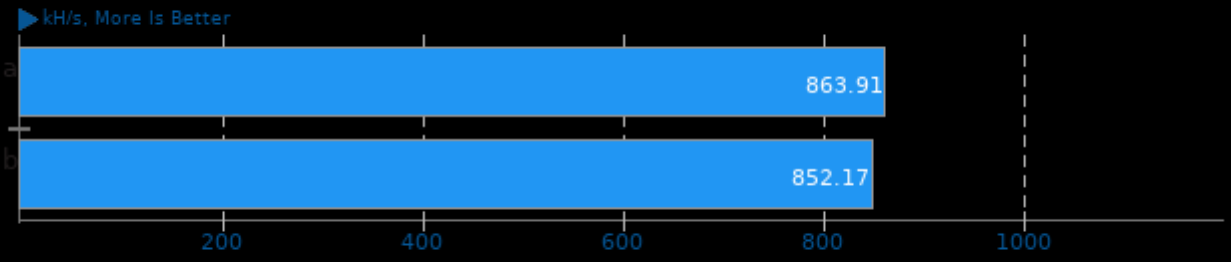
Encoder: libx265 - Scenario: Video On Demand



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

Cpuminer-Opt 3.20.3

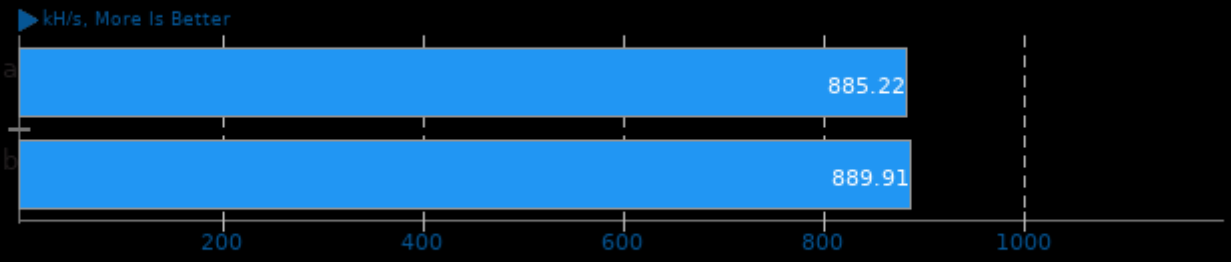
Algorithm: Magi



1. (CXX) g++ options: -O2 -lcurl -lz -lpthread -lssl -lcrypto -lgmp

Cpuminer-Opt 3.20.3

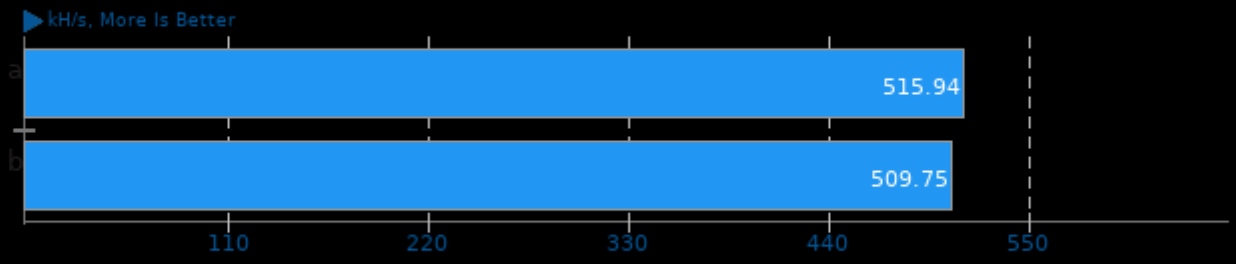
Algorithm: x25x



1. (CXX) g++ options: -O2 -lcurl -lz -lpthread -lssl -lcrypto -lgmp

Cpuminer-Opt 3.20.3

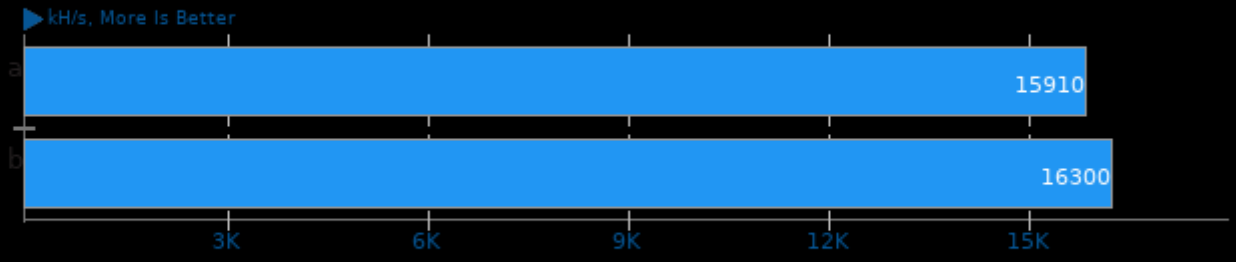
Algorithm: scrypt



1. (CXX) g++ options: -O2 -lcurl -lz -lpthread -lssl -lcrypto -lgmp

Cpuminer-Opt 3.20.3

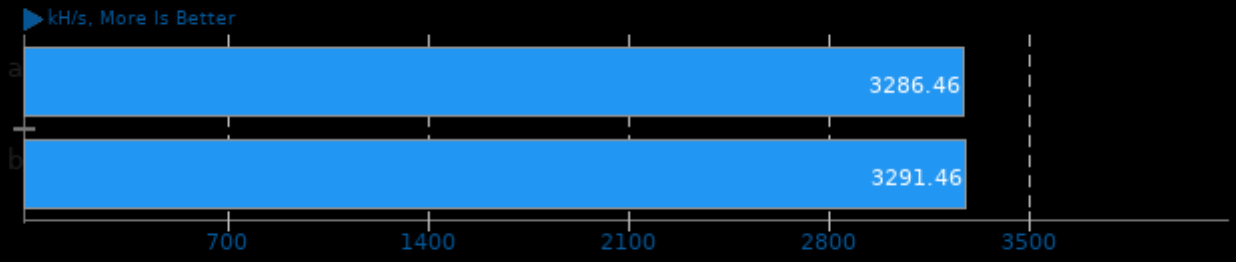
Algorithm: Deepcoin



1. (CXX) g++ options: -O2 -lcurl -lz -lpthread -lssl -lcrypto -lgmp

Cpuminer-Opt 3.20.3

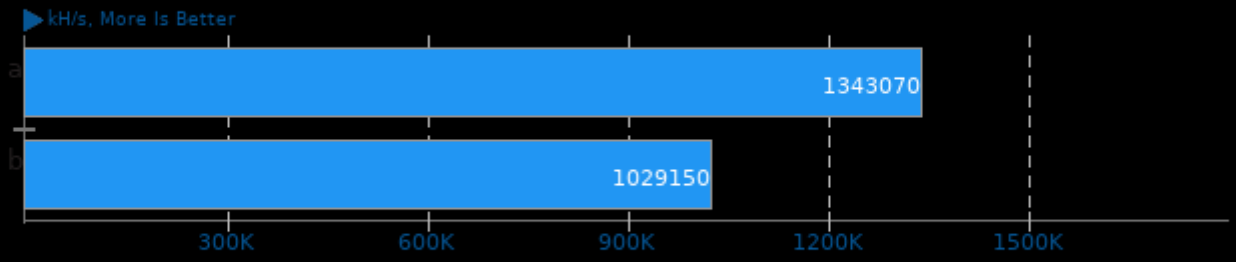
Algorithm: Ringcoin



1. (CXX) g++ options: -O2 -lcurl -lz -lpthread -lssl -lcrypto -lgmp

Cpuminer-Opt 3.20.3

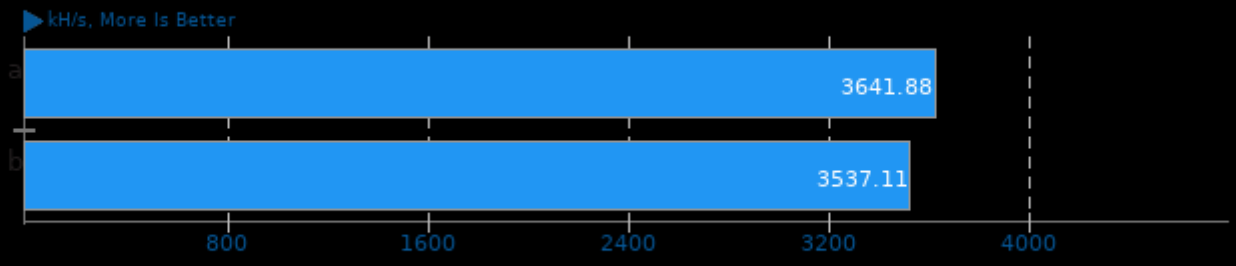
Algorithm: Blake-2 S



1. (CXX) g++ options: -O2 -lcurl -lz -lpthread -lssl -lcrypto -lgmp

Cpuminer-Opt 3.20.3

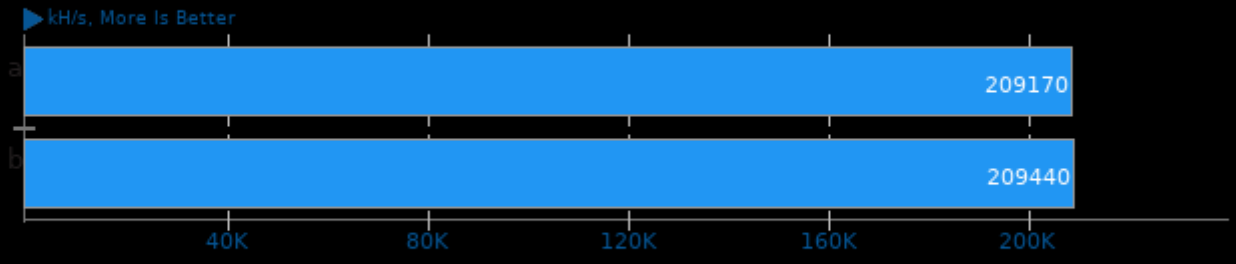
Algorithm: Garlicoin



1. (CXX) g++ options: -O2 -lcurl -lz -lpthread -lssl -lcrypto -lgmp

Cpuminer-Opt 3.20.3

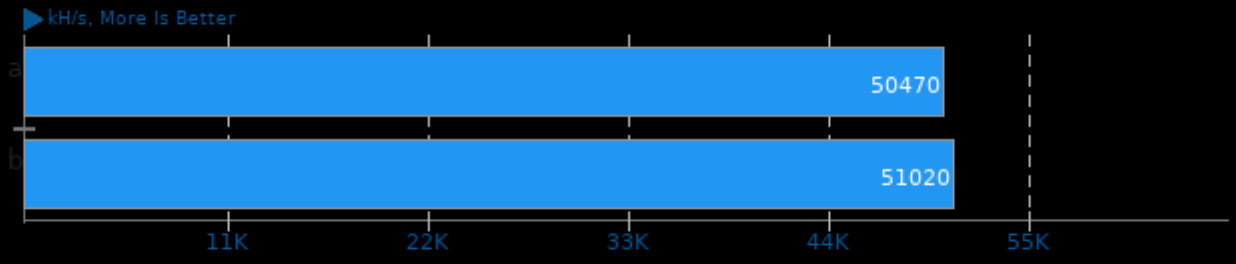
Algorithm: Skeincoin



1. (CXX) g++ options: -O2 -lcurl -lz -lpthread -lssl -lcrypto -lgmp

Cpuminer-Opt 3.20.3

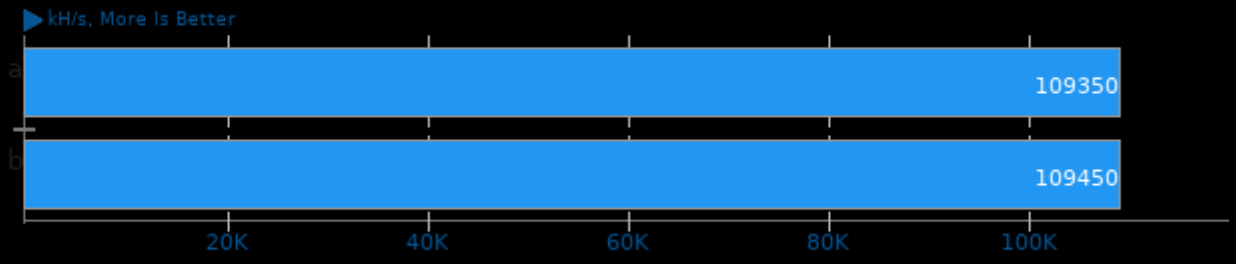
Algorithm: Myriad-Groestl



1. (CXX) g++ options: -O2 -lcurl -lz -lpthread -lssl -lcrypto -lgmp

Cpuminer-Opt 3.20.3

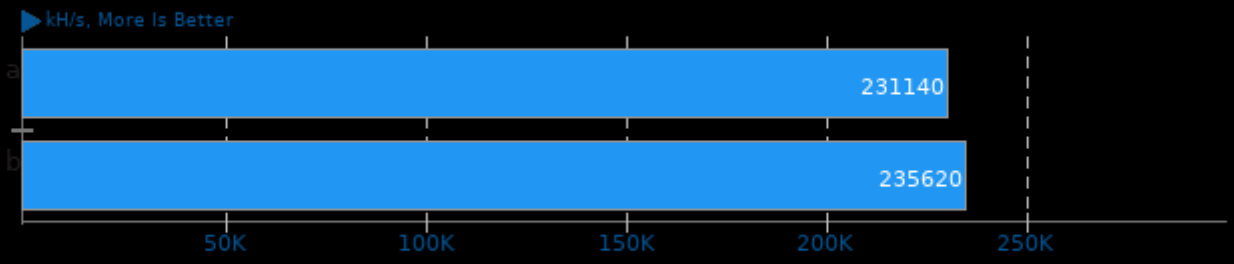
Algorithm: LBC, LBRY Credits



1. (CXX) g++ options: -O2 -lcurl -lz -lpthread -lssl -lcrypto -lgmp

Cpuminer-Opt 3.20.3

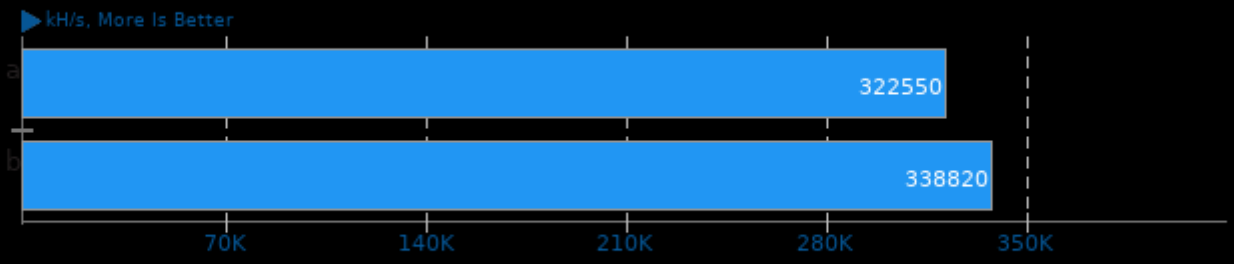
Algorithm: Quad SHA-256, Pyrite



1. (CXX) g++ options: -O2 -lcurl -lz -lpthread -lssl -lcrypto -lgmp

Cpuminer-Opt 3.20.3

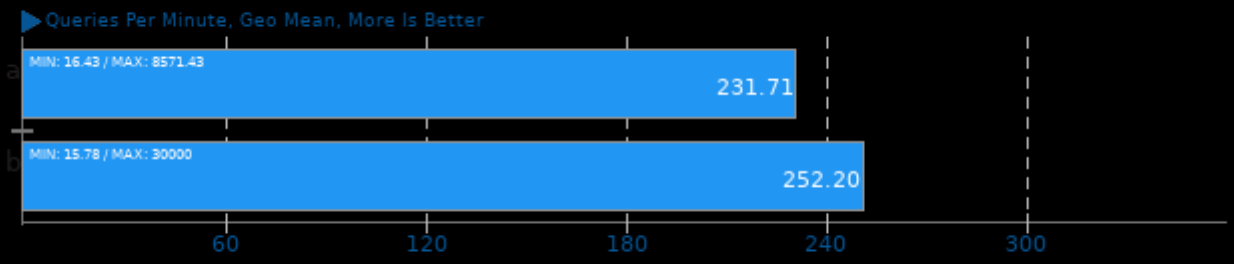
Algorithm: Triple SHA-256, Onecoin



1. (CXX) g++ options: -O2 -lcurl -lz -lpthread -lssl -lcrypto -lgmp

ClickHouse 22.5.4.19

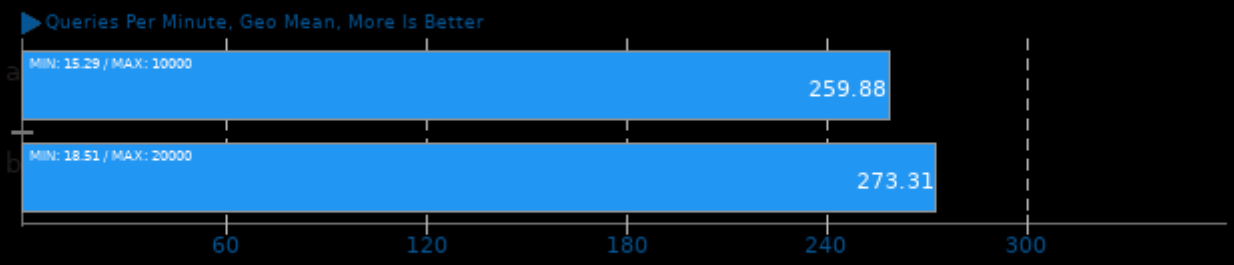
100M Rows Web Analytics Dataset, First Run / Cold Cache



1. ClickHouse server version 22.5.4.19 (official build).

ClickHouse 22.5.4.19

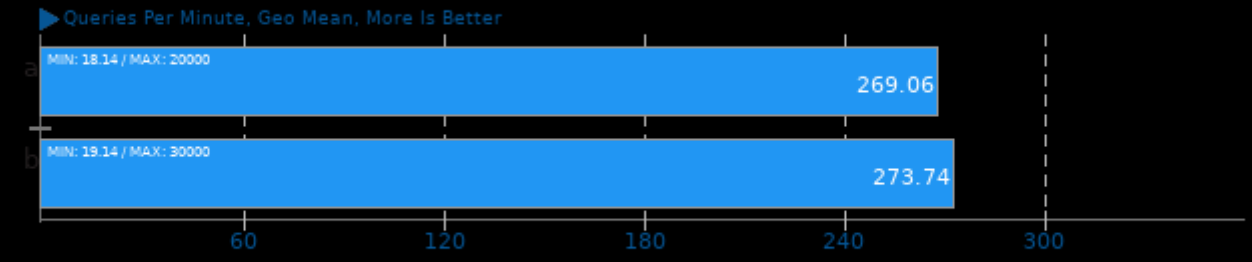
100M Rows Web Analytics Dataset, Second Run



1. ClickHouse server version 22.5.4.19 (official build).

ClickHouse 22.5.4.19

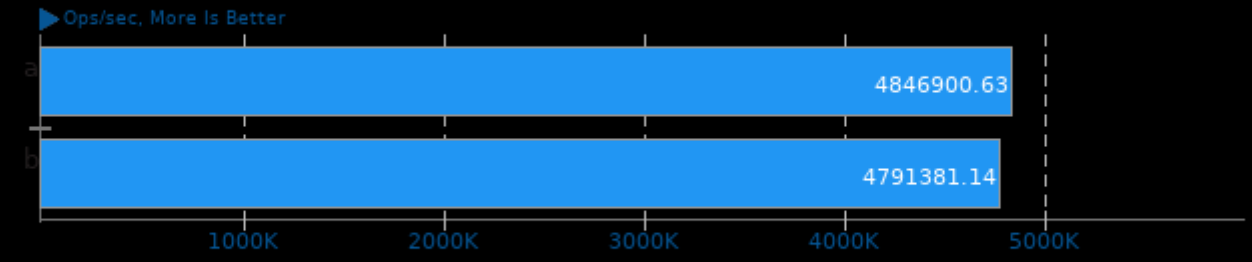
100M Rows Web Analytics Dataset, Third Run



1. ClickHouse server version 22.5.4.19 (official build).

Dragonflydb 0.6

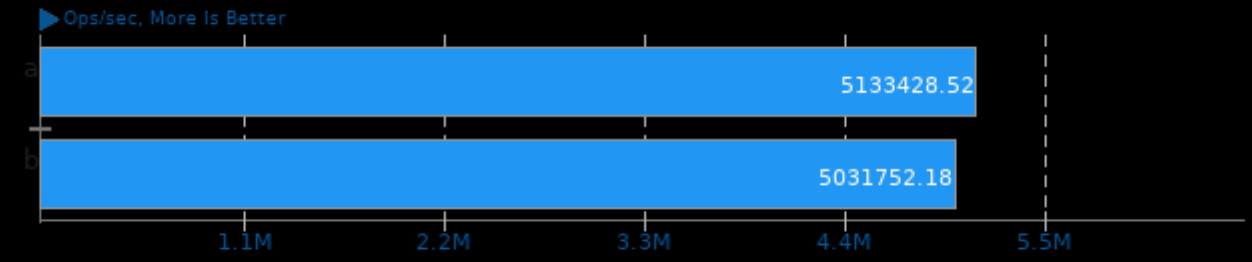
Clients: 50 - Set To Get Ratio: 1:1



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

Dragonflydb 0.6

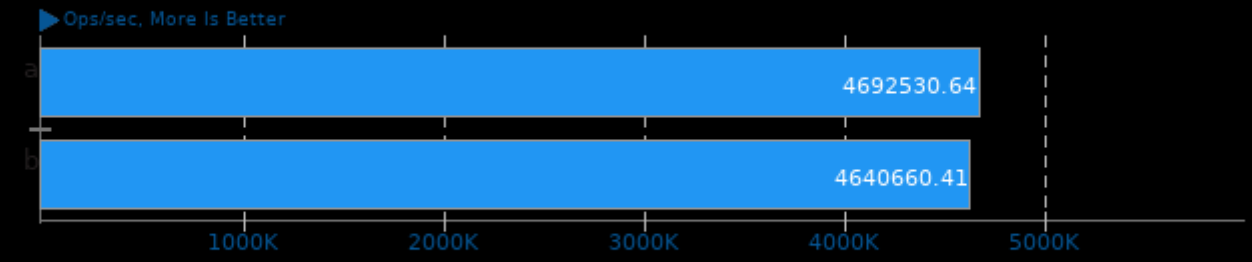
Clients: 50 - Set To Get Ratio: 1:5



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

Dragonflydb 0.6

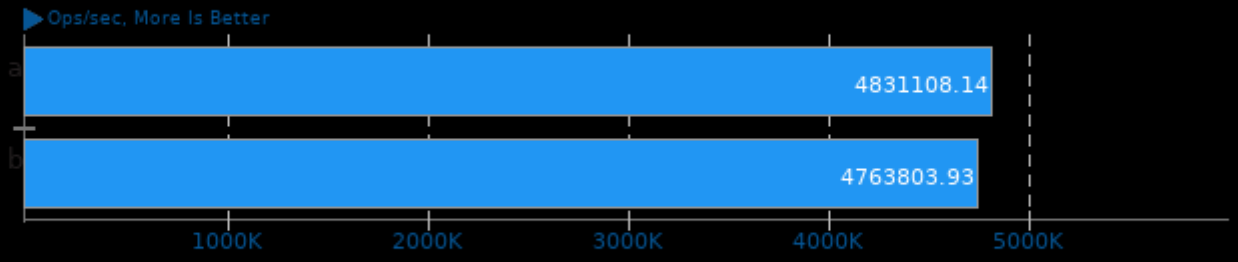
Clients: 50 - Set To Get Ratio: 5:1



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

Dragonflydb 0.6

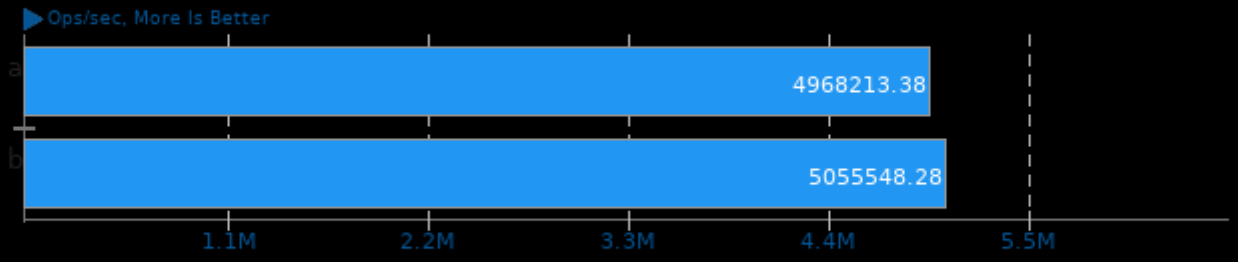
Clients: 200 - Set To Get Ratio: 1:1



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

Dragonflydb 0.6

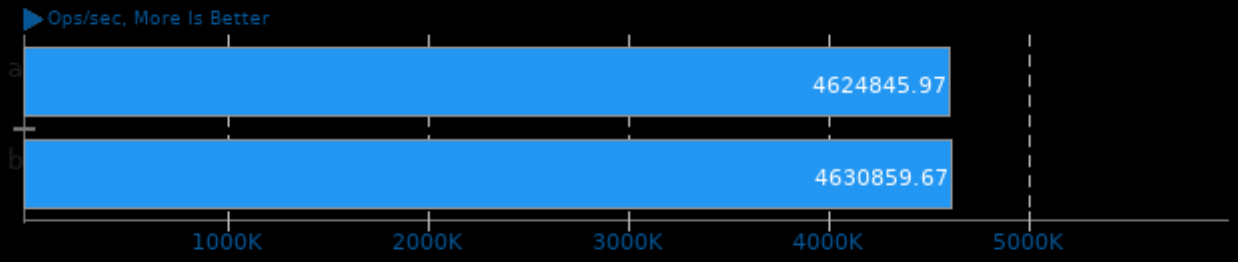
Clients: 200 - Set To Get Ratio: 1:5



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

Dragonflydb 0.6

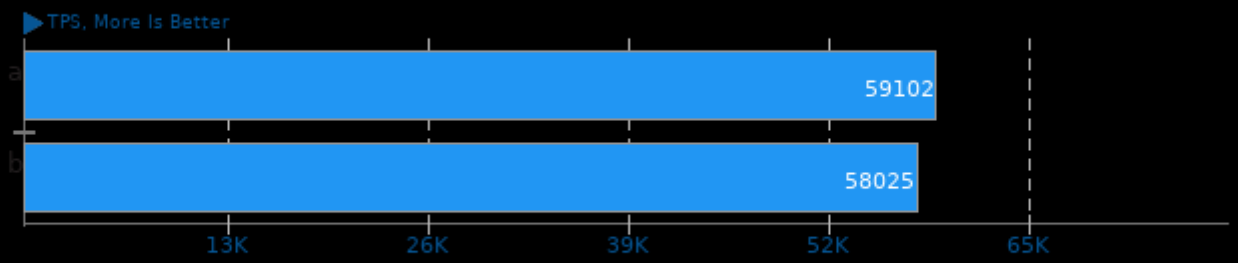
Clients: 200 - Set To Get Ratio: 5:1



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

PostgreSQL 15

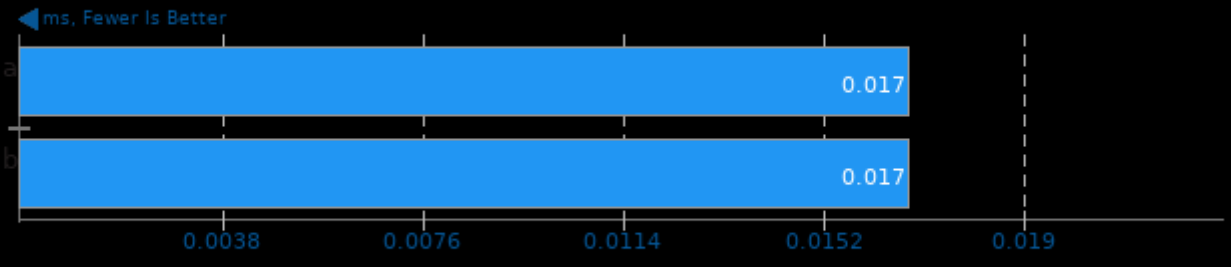
Scaling Factor: 1 - Clients: 1 - Mode: Read Only



1. (CC) gcc options: -fno-strict-aliasing -fwrapv -O2 -lpgcommon -lpgport -lpq -lm

PostgreSQL 15

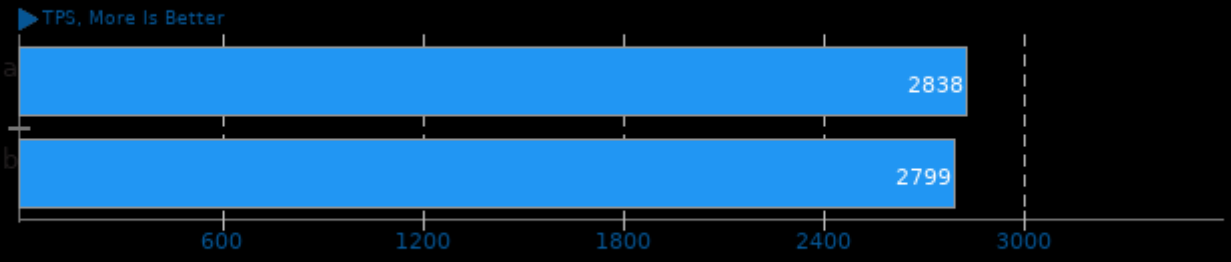
Scaling Factor: 1 - Clients: 1 - Mode: Read Only - Average Latency



1. (CC) gcc options: -fno-strict-aliasing -fwrapv -O2 -lpgcommon -lpgport -lpq -lm

PostgreSQL 15

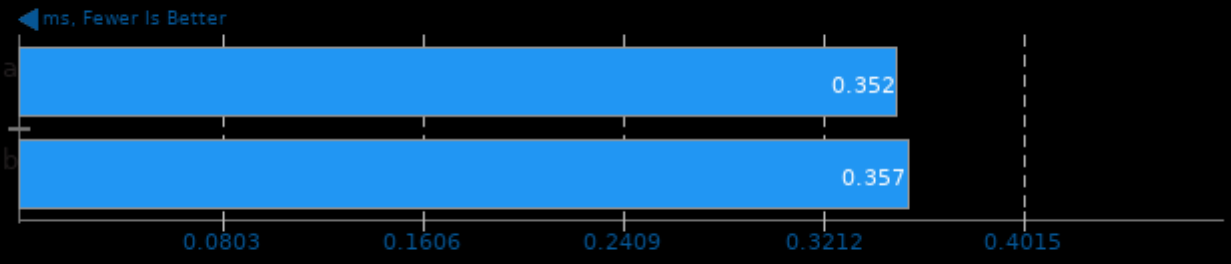
Scaling Factor: 1 - Clients: 1 - Mode: Read Write



1. (CC) gcc options: -fno-strict-aliasing -fwrapv -O2 -lpgcommon -lpgport -lpq -lm

PostgreSQL 15

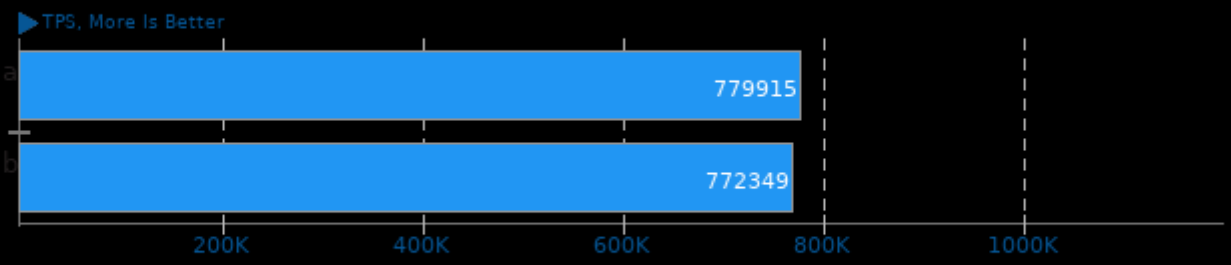
Scaling Factor: 1 - Clients: 1 - Mode: Read Write - Average Latency



1. (CC) gcc options: -fno-strict-aliasing -fwrapv -O2 -lpgcommon -lpgport -lpq -lm

PostgreSQL 15

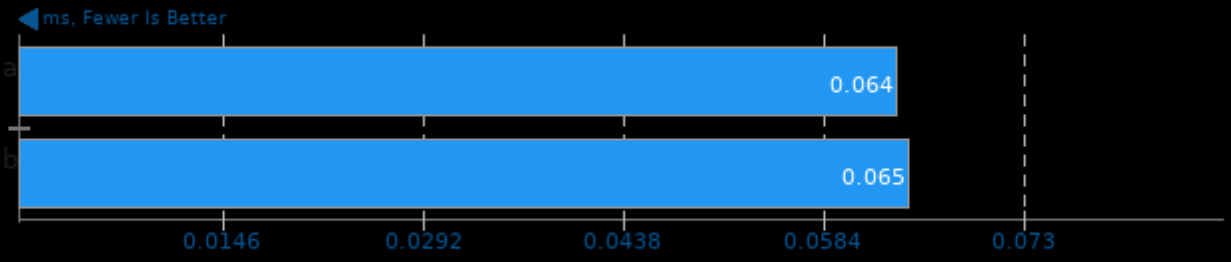
Scaling Factor: 1 - Clients: 50 - Mode: Read Only



1. (CC) gcc options: -fno-strict-aliasing -fwrapv -O2 -lpgcommon -lpgport -lpq -lm

PostgreSQL 15

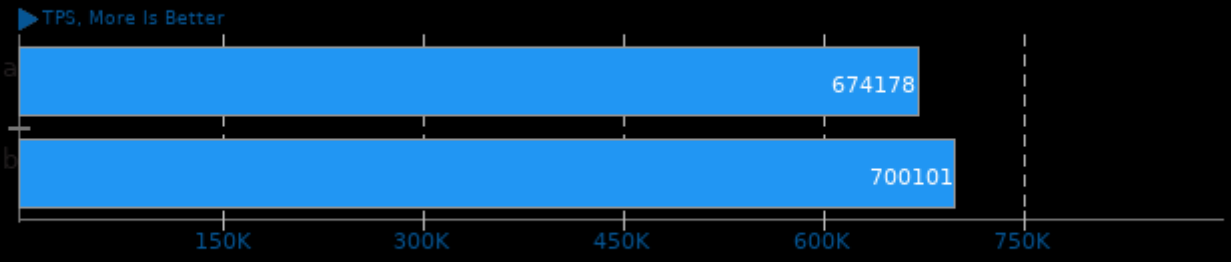
Scaling Factor: 1 - Clients: 50 - Mode: Read Only - Average Latency



1. (CC) gcc options: -fno-strict-aliasing -fwrapv -O2 -lpgcommon -lpgport -lpq -lm

PostgreSQL 15

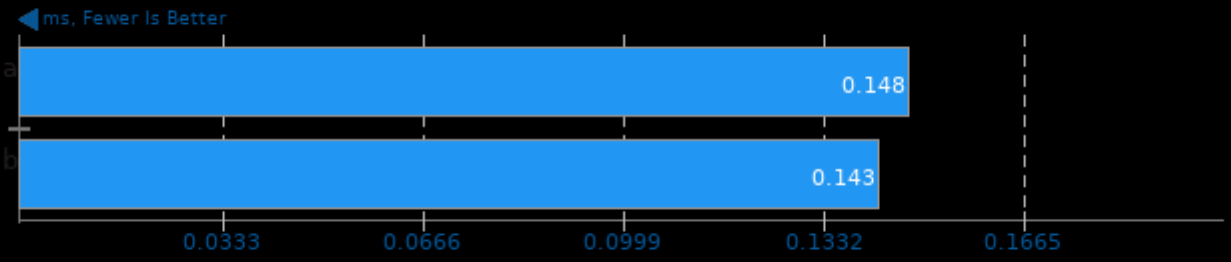
Scaling Factor: 1 - Clients: 100 - Mode: Read Only



1. (CC) gcc options: -fno-strict-aliasing -fwrapv -O2 -lpgcommon -lpgport -lpq -lm

PostgreSQL 15

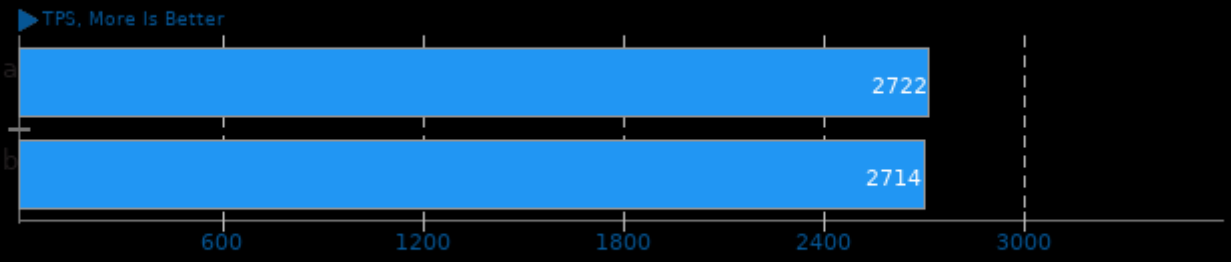
Scaling Factor: 1 - Clients: 100 - Mode: Read Only - Average Latency



1. (CC) gcc options: -fno-strict-aliasing -fwrapv -O2 -lpgcommon -lpgport -lpq -lm

PostgreSQL 15

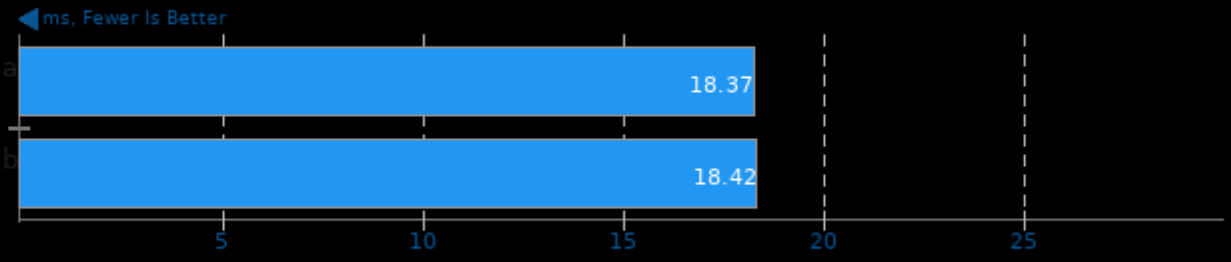
Scaling Factor: 1 - Clients: 50 - Mode: Read Write



1. (CC) gcc options: -fno-strict-aliasing -fwrapv -O2 -lpgcommon -lpgport -lpq -lm

PostgreSQL 15

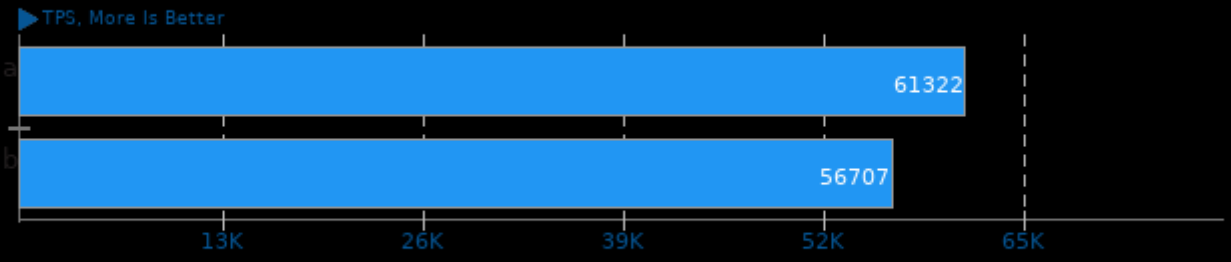
Scaling Factor: 1 - Clients: 50 - Mode: Read Write - Average Latency



1. (CC) gcc options: -fno-strict-aliasing -fwrapv -O2 -lpgcommon -lpgport -lpq -lm

PostgreSQL 15

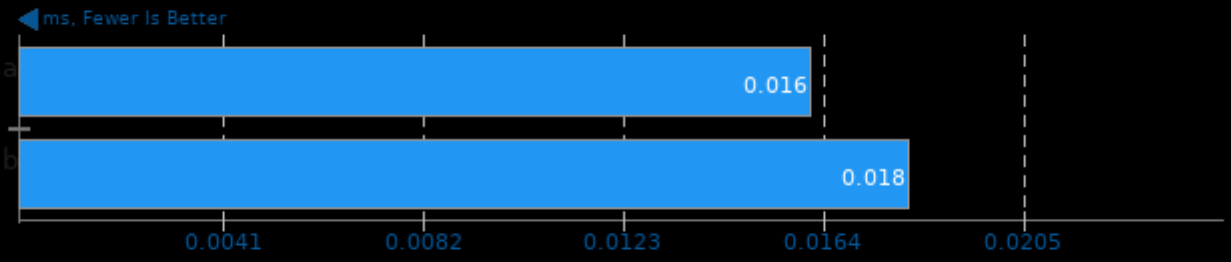
Scaling Factor: 100 - Clients: 1 - Mode: Read Only



1. (CC) gcc options: -fno-strict-aliasing -fwrapv -O2 -lpgcommon -lpgport -lpq -lm

PostgreSQL 15

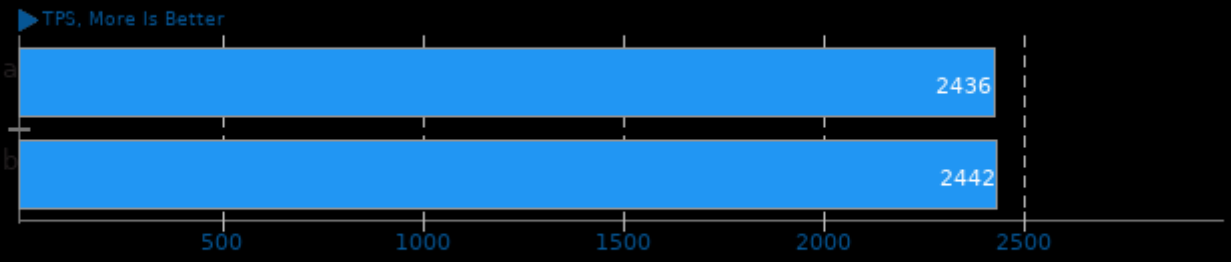
Scaling Factor: 100 - Clients: 1 - Mode: Read Only - Average Latency



1. (CC) gcc options: -fno-strict-aliasing -fwrapv -O2 -lpgcommon -lpgport -lpq -lm

PostgreSQL 15

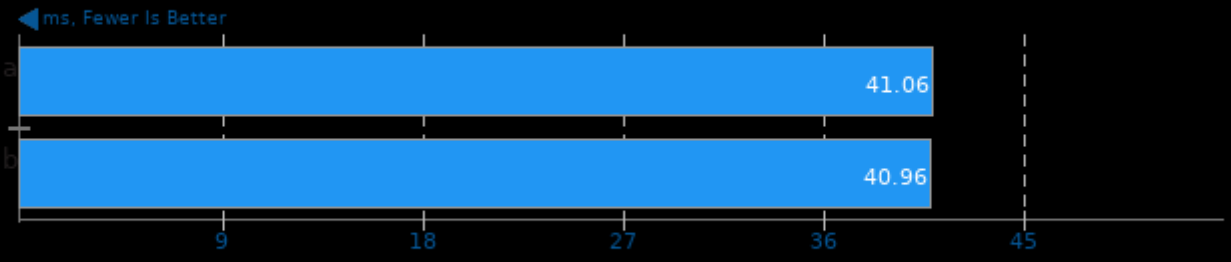
Scaling Factor: 1 - Clients: 100 - Mode: Read Write



1. (CC) gcc options: -fno-strict-aliasing -fwrapv -O2 -lpgcommon -lpgport -lpq -lm

PostgreSQL 15

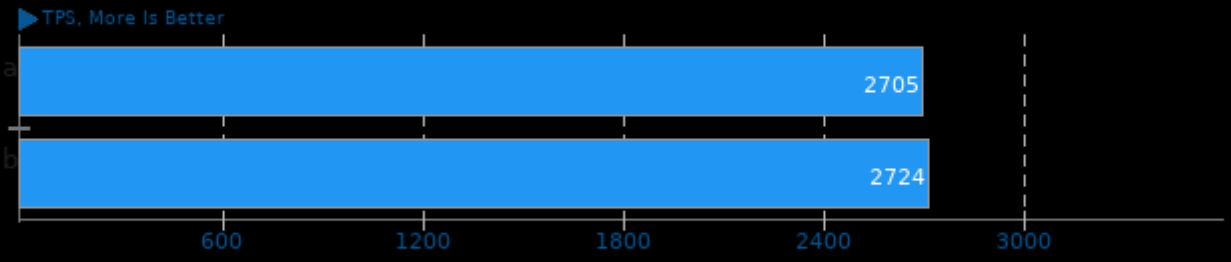
Scaling Factor: 1 - Clients: 100 - Mode: Read Write - Average Latency



1. (CC) gcc options: -fno-strict-aliasing -fwrapv -O2 -lpgcommon -lpgport -lpq -lm

PostgreSQL 15

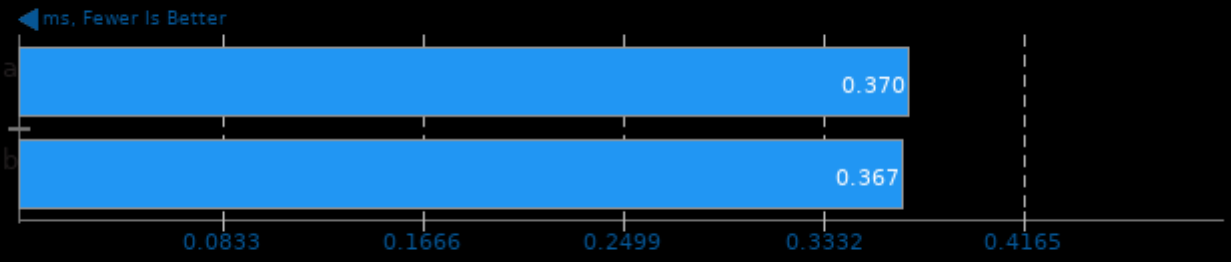
Scaling Factor: 100 - Clients: 1 - Mode: Read Write



1. (CC) gcc options: -fno-strict-aliasing -fwrapv -O2 -lpgcommon -lpgport -lpq -lm

PostgreSQL 15

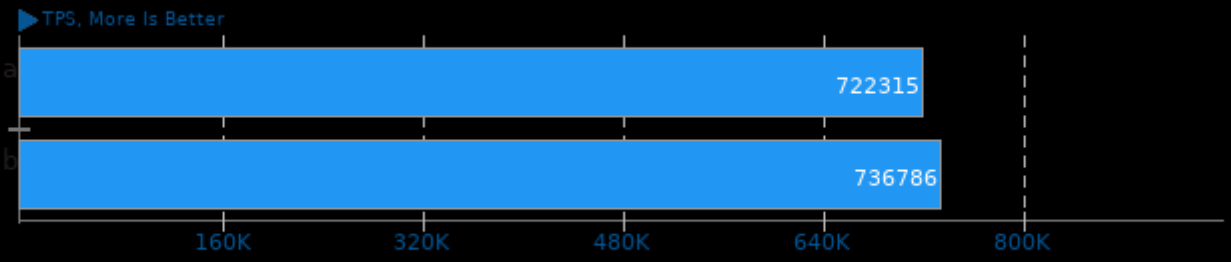
Scaling Factor: 100 - Clients: 1 - Mode: Read Write - Average Latency



1. (CC) gcc options: -fno-strict-aliasing -fwrapv -O2 -lpgcommon -lpgport -lpq -lm

PostgreSQL 15

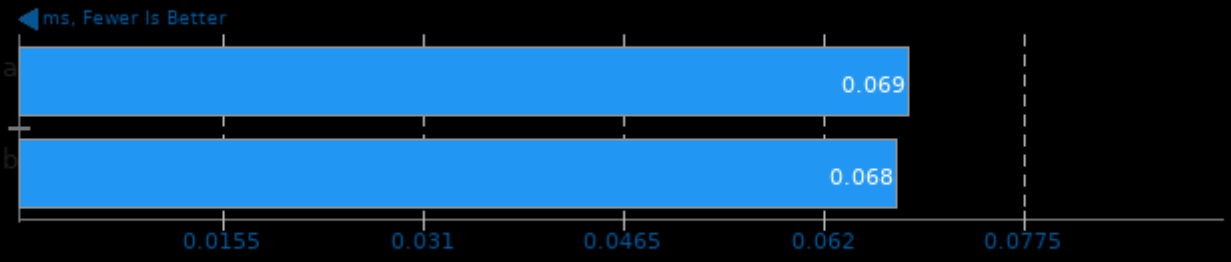
Scaling Factor: 100 - Clients: 50 - Mode: Read Only



1. (CC) gcc options: -fno-strict-aliasing -fwrapv -O2 -lpgcommon -lpgport -lpq -lm

PostgreSQL 15

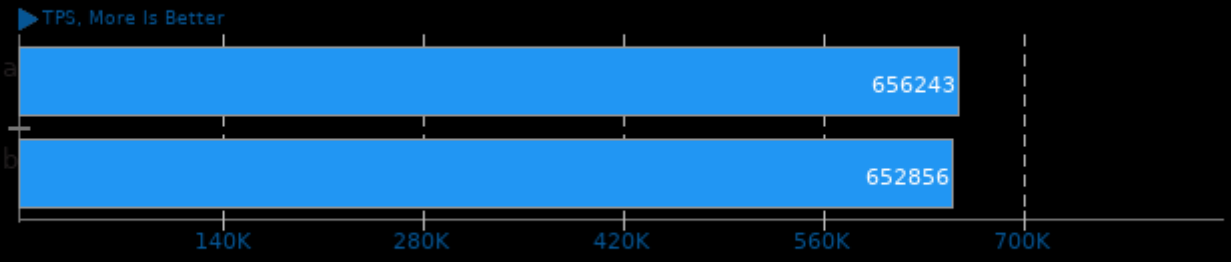
Scaling Factor: 100 - Clients: 50 - Mode: Read Only - Average Latency



1. (CC) gcc options: -fno-strict-aliasing -fwrapv -O2 -lpgcommon -lpgport -lpq -lm

PostgreSQL 15

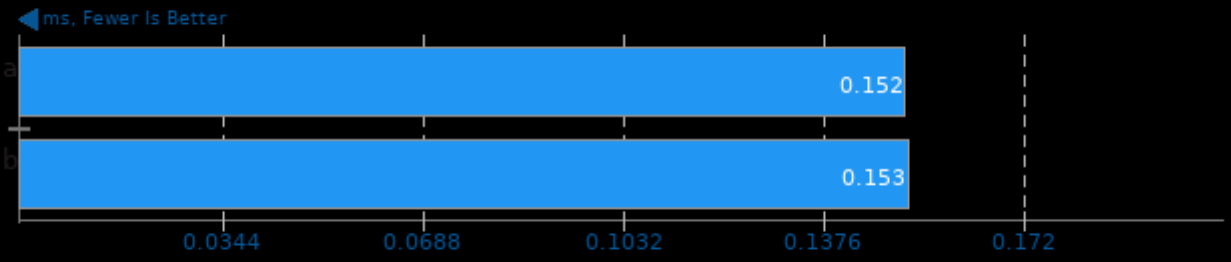
Scaling Factor: 100 - Clients: 100 - Mode: Read Only



1. (CC) gcc options: -fno-strict-aliasing -fwrapv -O2 -lpgcommon -lpgport -lpq -lm

PostgreSQL 15

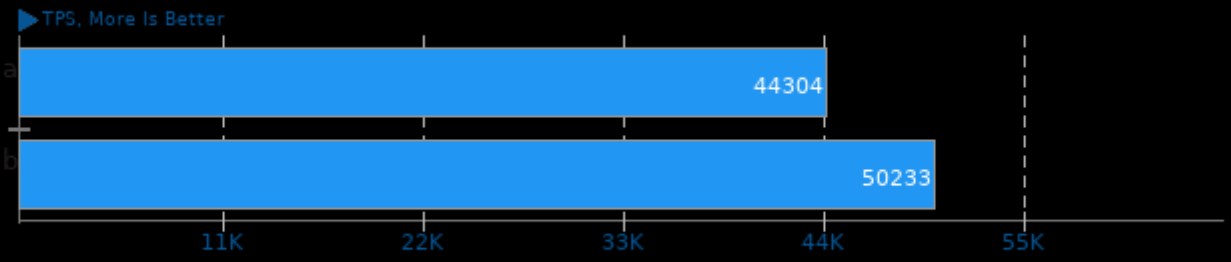
Scaling Factor: 100 - Clients: 100 - Mode: Read Only - Average Latency



1. (CC) gcc options: -fno-strict-aliasing -fwrapv -O2 -lpgcommon -lpgport -lpq -lm

PostgreSQL 15

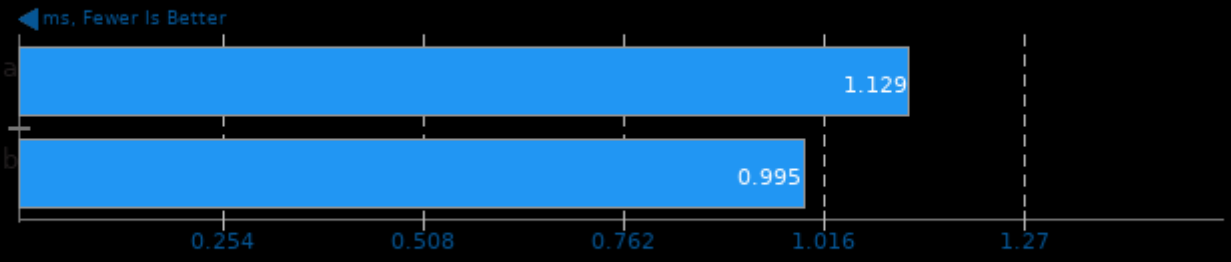
Scaling Factor: 100 - Clients: 50 - Mode: Read Write



1. (CC) gcc options: -fno-strict-aliasing -fwrapv -O2 -lpgcommon -lpgport -lpq -lm

PostgreSQL 15

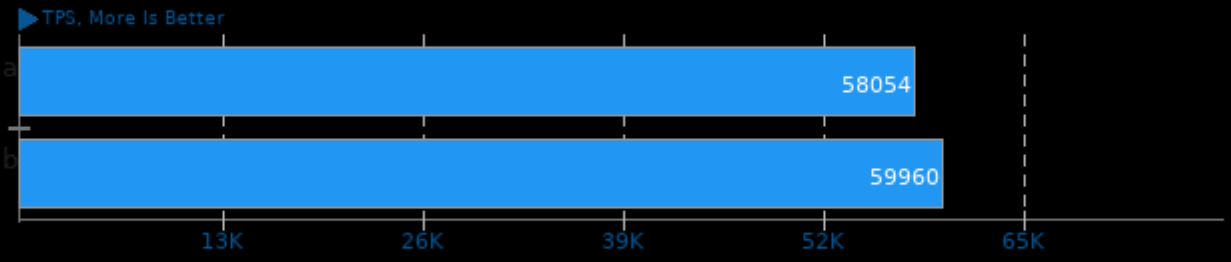
Scaling Factor: 100 - Clients: 50 - Mode: Read Write - Average Latency



1. (CC) gcc options: -fno-strict-aliasing -fwrapv -O2 -lpgcommon -lpgport -lpq -lm

PostgreSQL 15

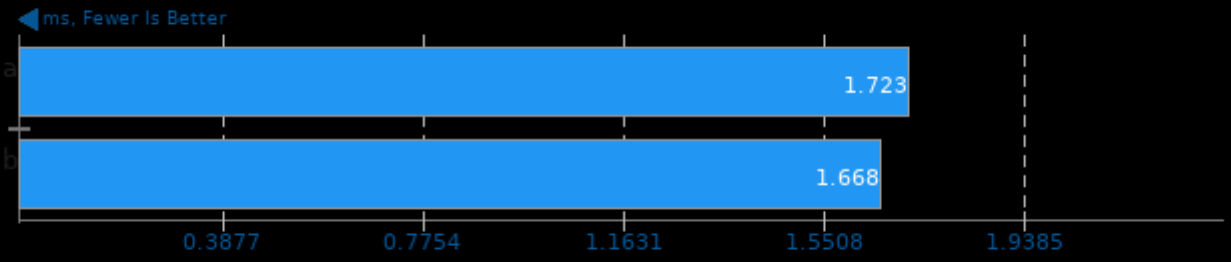
Scaling Factor: 100 - Clients: 100 - Mode: Read Write



1. (CC) gcc options: -fno-strict-aliasing -fwrapv -O2 -lpgcommon -lpgport -lpq -lm

PostgreSQL 15

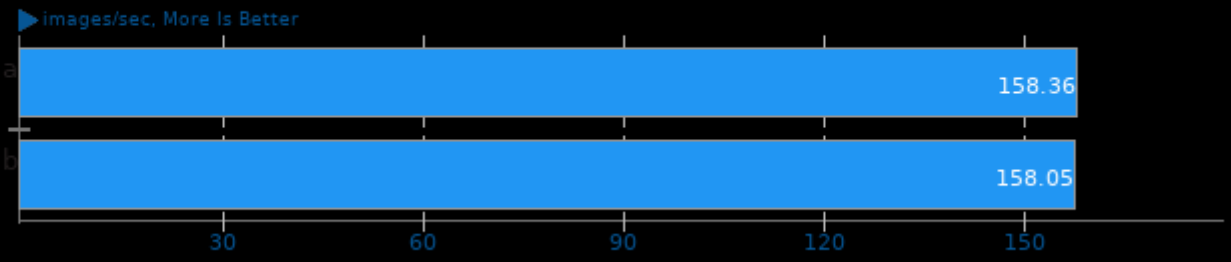
Scaling Factor: 100 - Clients: 100 - Mode: Read Write - Average Latency

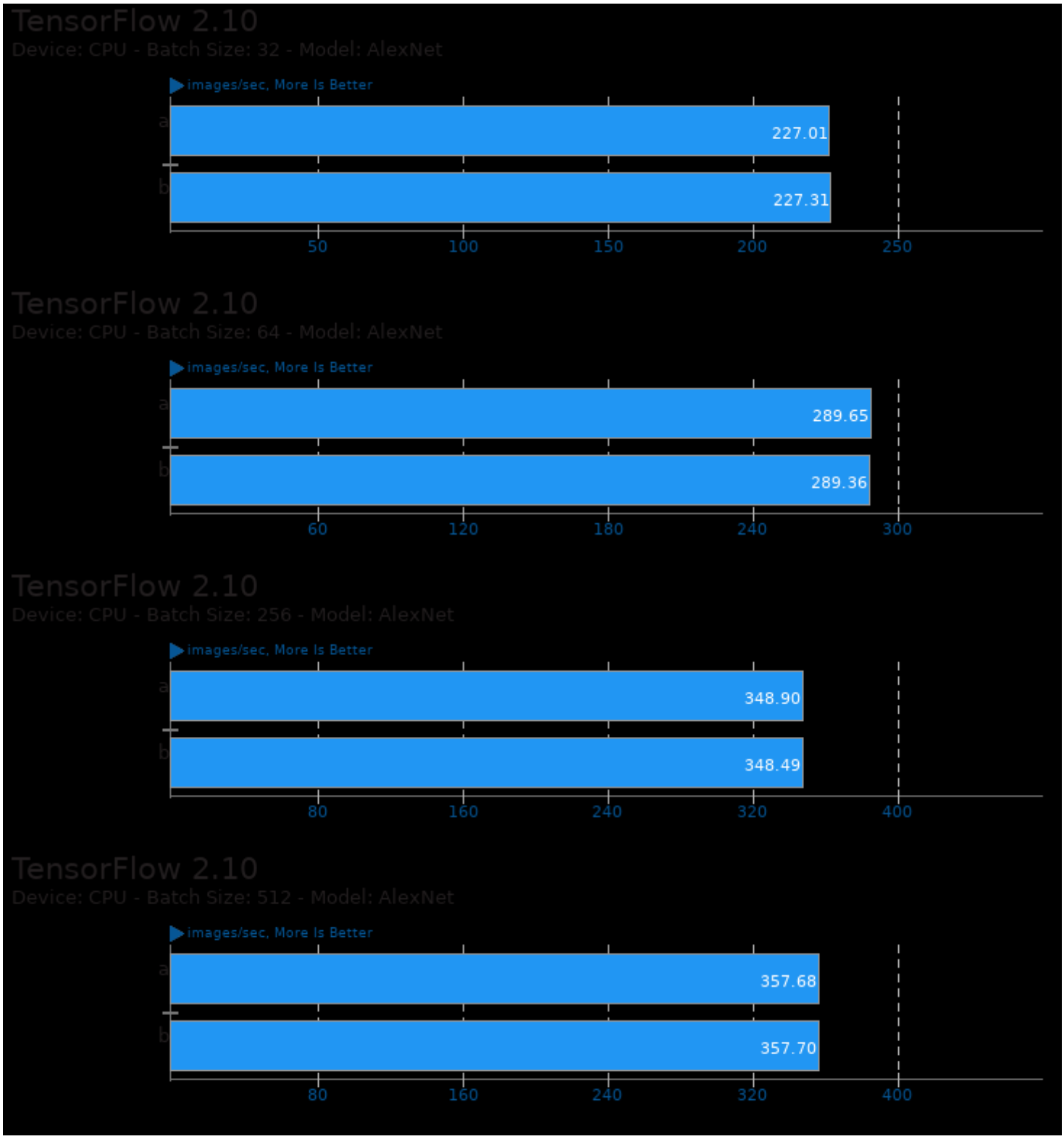


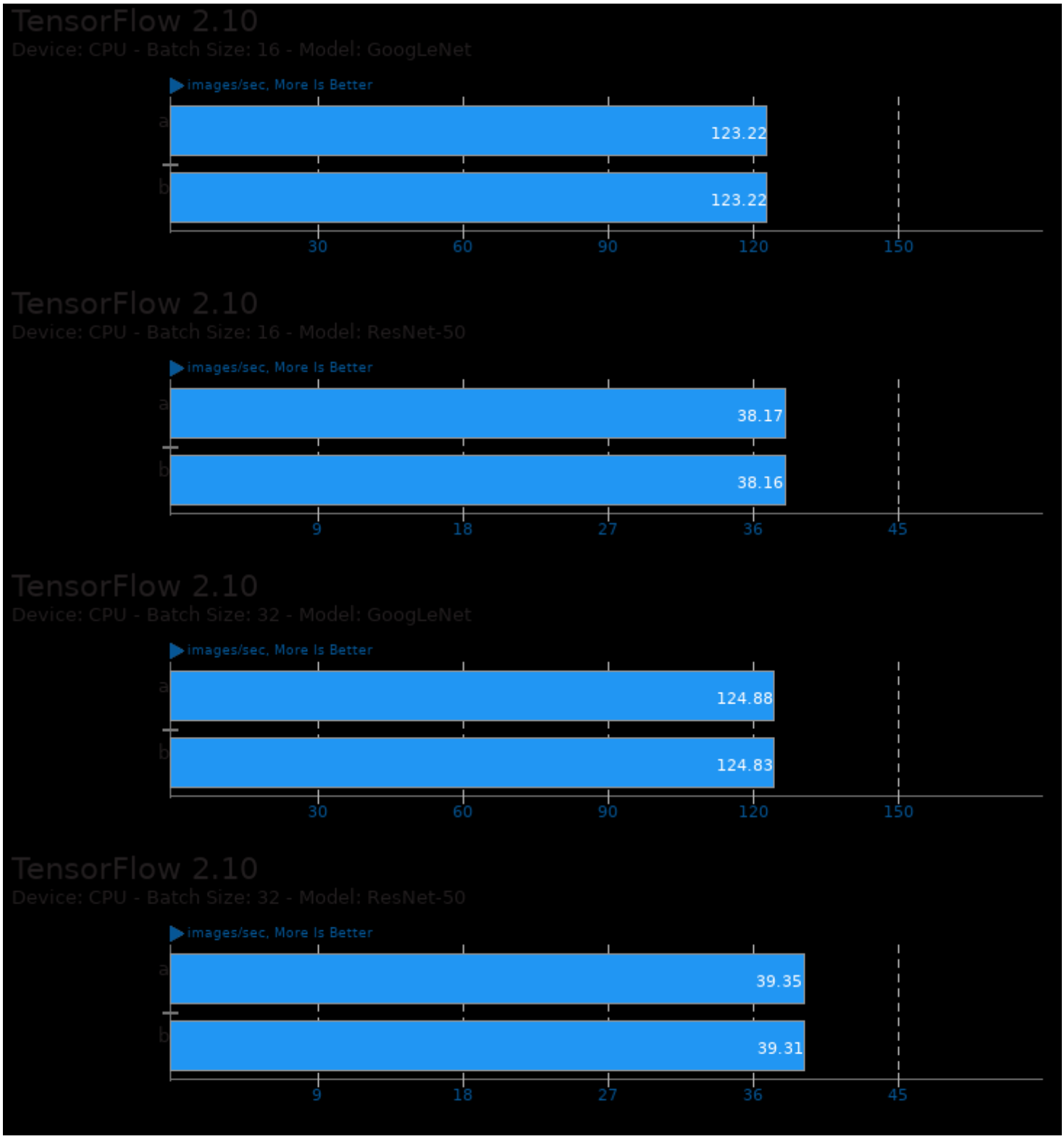
1. (CC) gcc options: -fno-strict-aliasing -fwrapv -O2 -lpgcommon -lpgport -lpq -lm

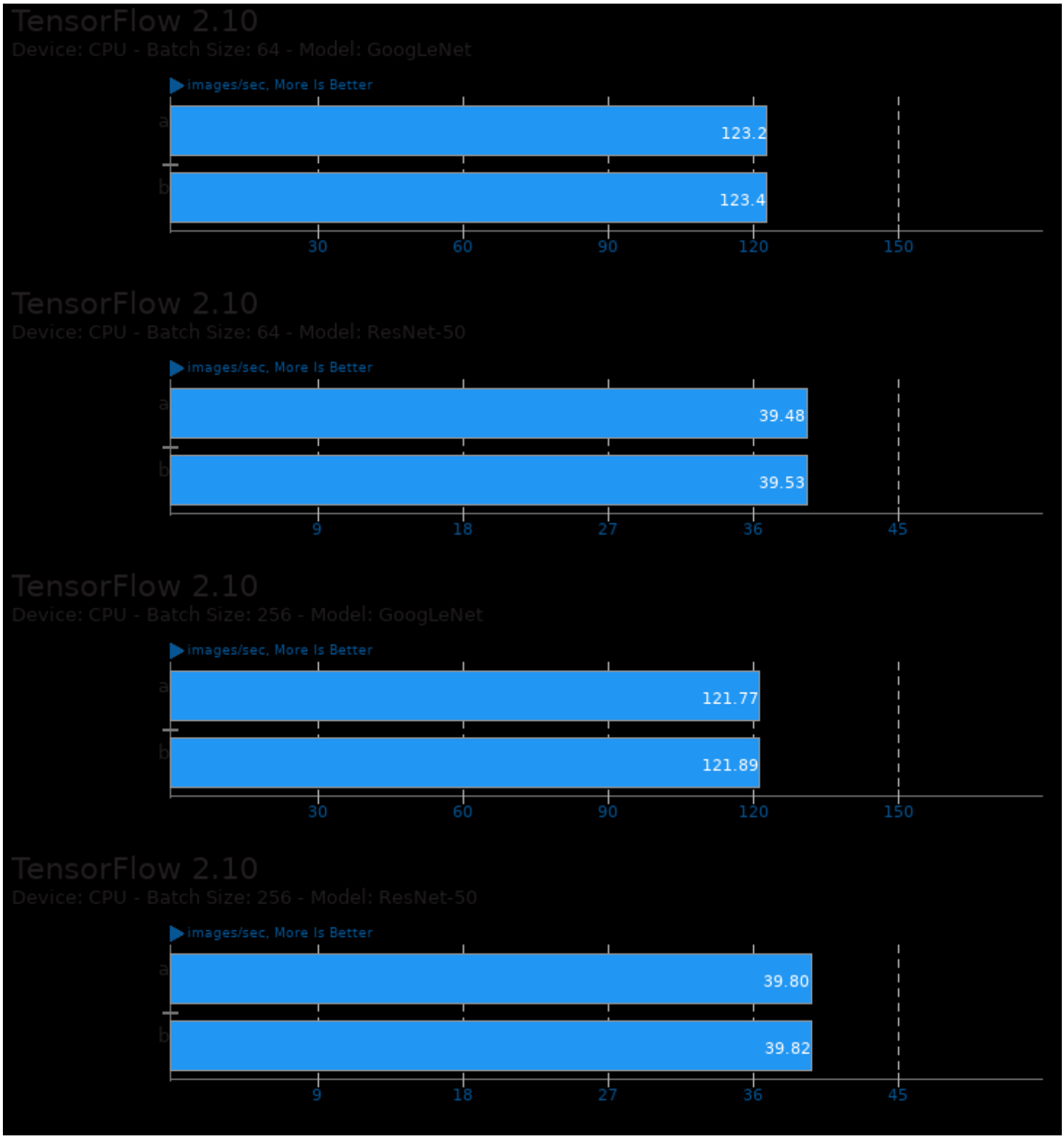
TensorFlow 2.10

Device: CPU - Batch Size: 16 - Model: AlexNet



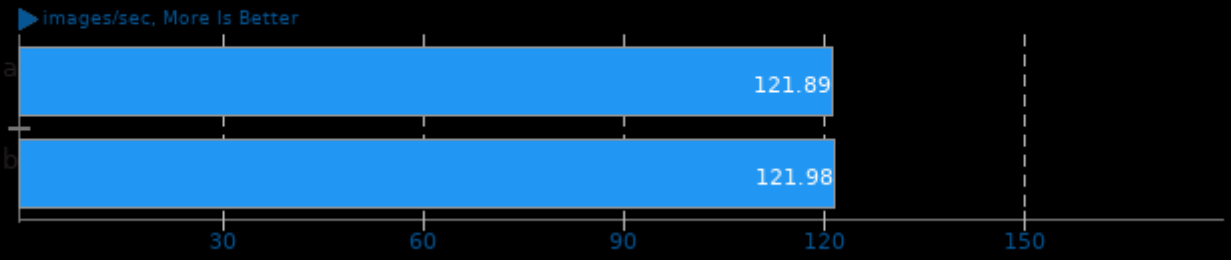

TensorFlow 2.10
Device: CPU - Batch Size: 32 - Model: AlexNet
images/sec, More Is Better
a
227.01
b
227.31
50
100
150
200
250
TensorFlow 2.10
Device: CPU - Batch Size: 64 - Model: AlexNet
images/sec, More Is Better
a
289.65
b
289.36
60
120
180
240
300
TensorFlow 2.10
Device: CPU - Batch Size: 256 - Model: AlexNet
images/sec, More Is Better
a
348.90
b
348.49
80
160
240
320
400
TensorFlow 2.10
Device: CPU - Batch Size: 512 - Model: AlexNet
images/sec, More Is Better
a
357.68
b
357.70
80
160
240
320
400


TensorFlow 2.10
Device: CPU - Batch Size: 16 - Model: GoogLeNet
images/sec, More Is Better
a
123.22
b
123.22
30
60
90
120
150
TensorFlow 2.10
Device: CPU - Batch Size: 16 - Model: ResNet-50
images/sec, More Is Better
a
38.17
b
38.16
9
18
27
36
45
TensorFlow 2.10
Device: CPU - Batch Size: 32 - Model: GoogLeNet
images/sec, More Is Better
a
124.88
b
124.83
30
60
90
120
150
TensorFlow 2.10
Device: CPU - Batch Size: 32 - Model: ResNet-50
images/sec, More Is Better
a
39.35
b
39.31
9
18
27
36
45


TensorFlow 2.10
Device: CPU - Batch Size: 64 - Model: GoogLeNet
images/sec, More Is Better
a
123.2
b
123.4
30
60
90
120
150
TensorFlow 2.10
Device: CPU - Batch Size: 64 - Model: ResNet-50
images/sec, More Is Better
a
39.48
b
39.53
9
18
27
36
45
TensorFlow 2.10
Device: CPU - Batch Size: 256 - Model: GoogLeNet
images/sec, More Is Better
a
121.77
b
121.89
30
60
90
120
150
TensorFlow 2.10
Device: CPU - Batch Size: 256 - Model: ResNet-50
images/sec, More Is Better
a
39.80
b
39.82
9
18
27
36
45

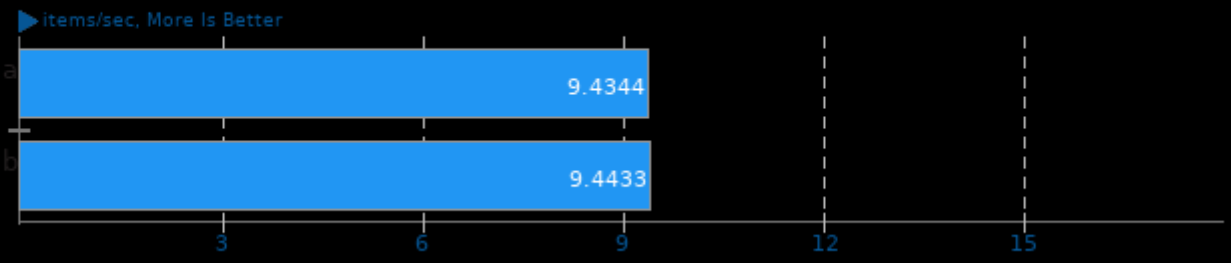
TensorFlow 2.10

Device: CPU - Batch Size: 512 - Model: GoogLeNet



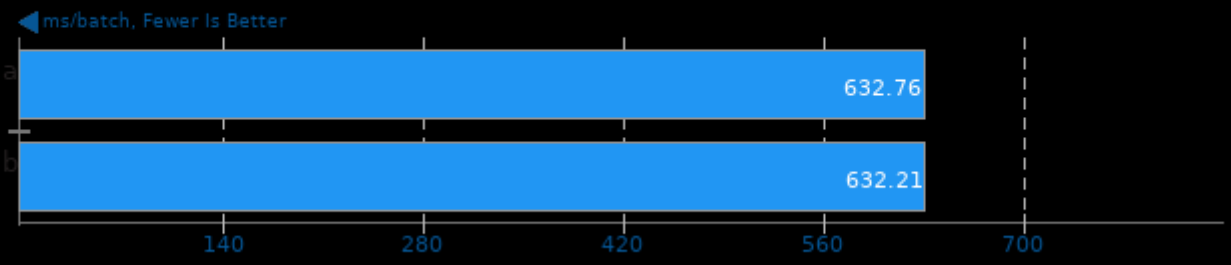
Neural Magic DeepSparse 1.1

Model: NLP Document Classification, oBERT base uncased on IMDB - Scenario: Asynchronous Multi-Stream



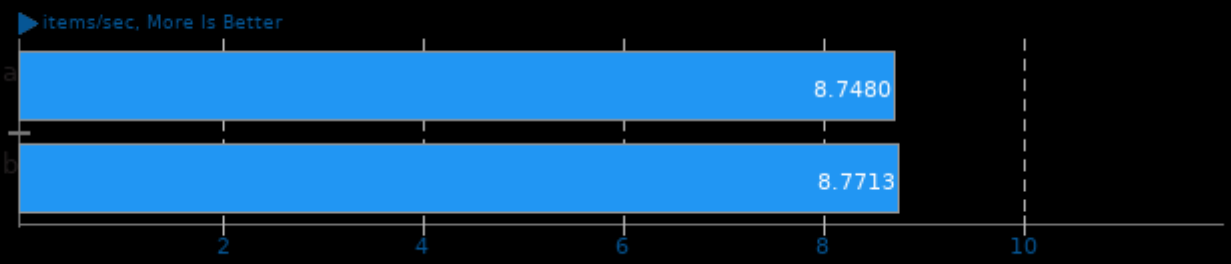
Neural Magic DeepSparse 1.1

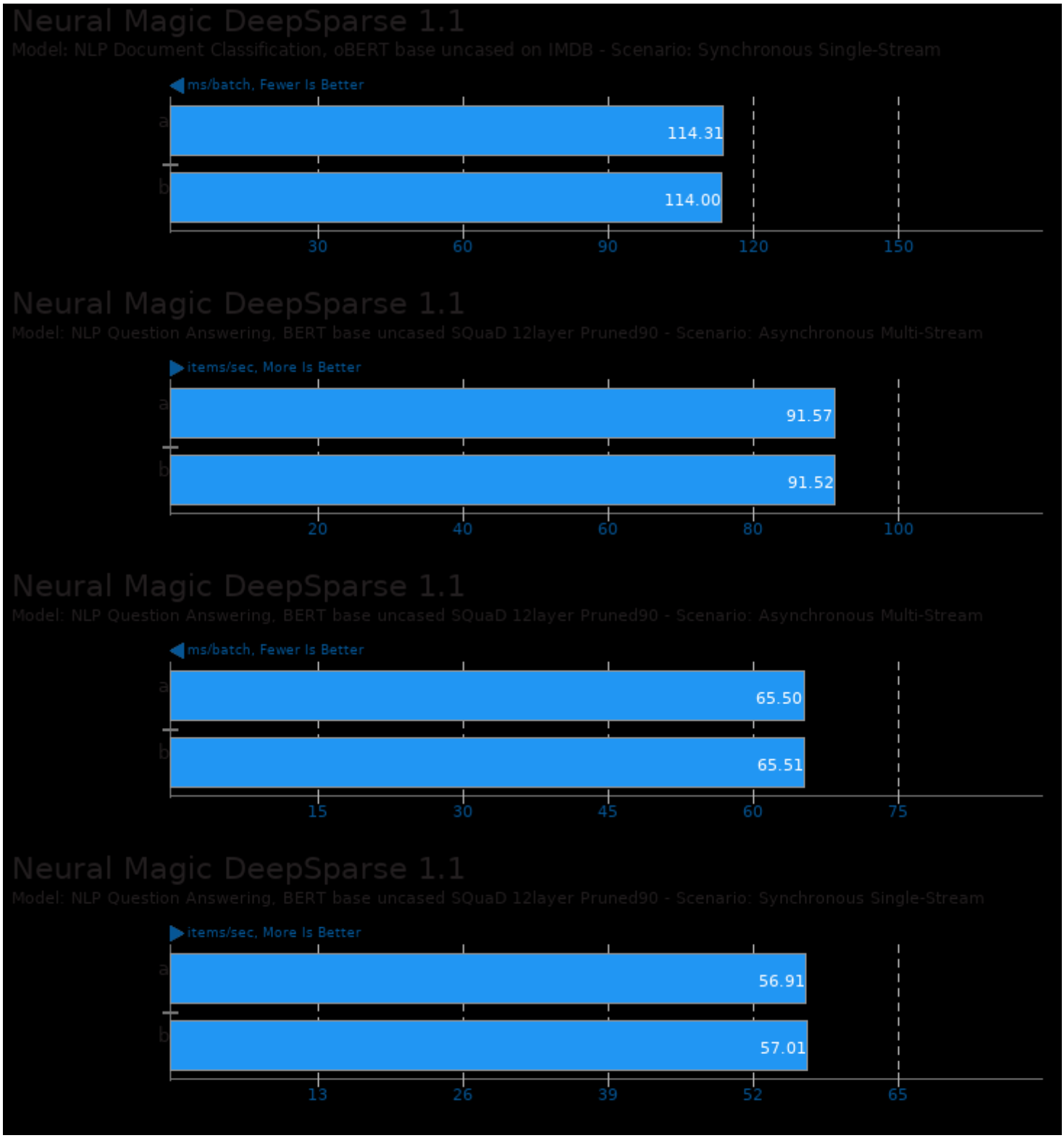
Model: NLP Document Classification, oBERT base uncased on IMDB - Scenario: Asynchronous Multi-Stream

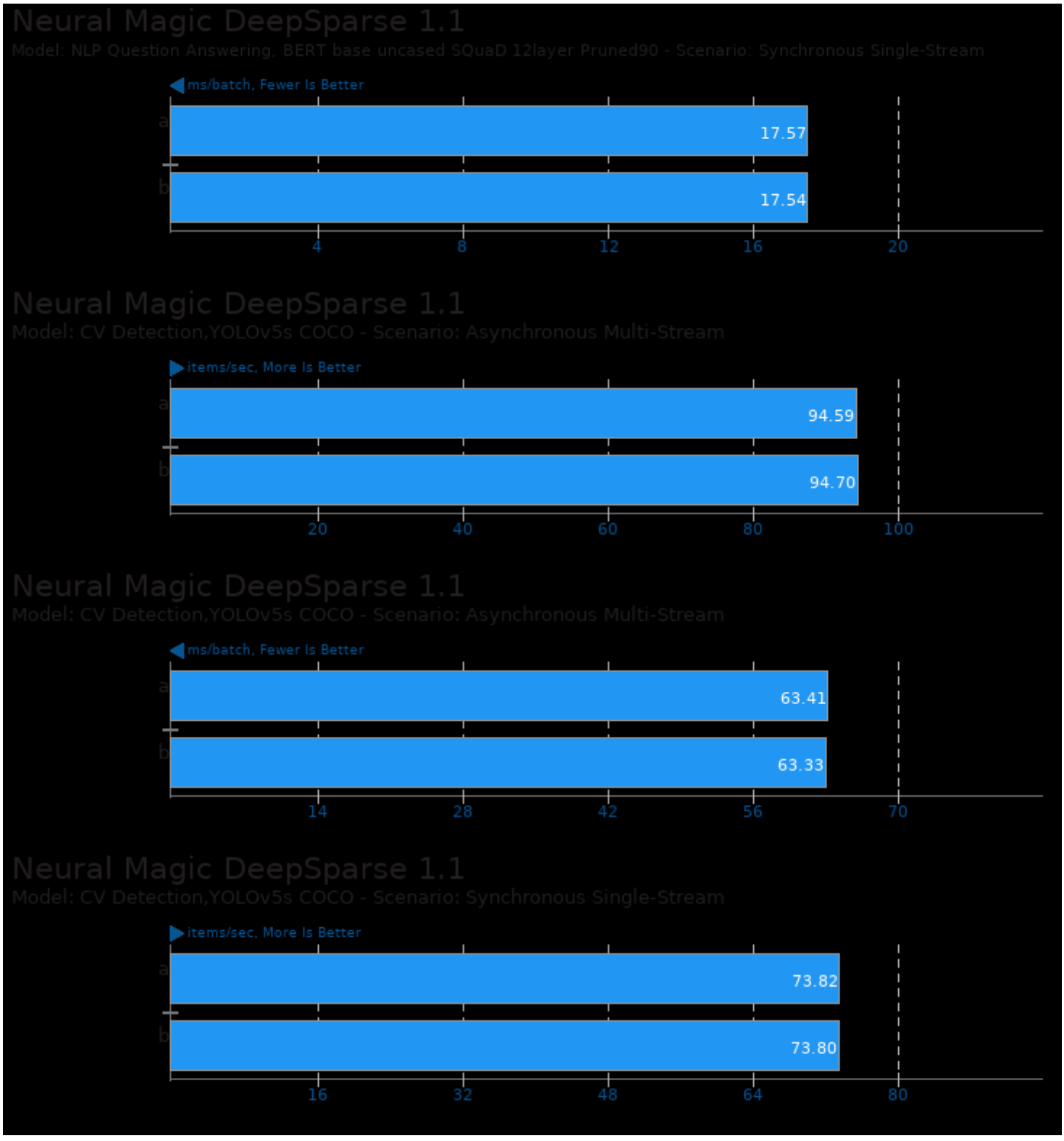


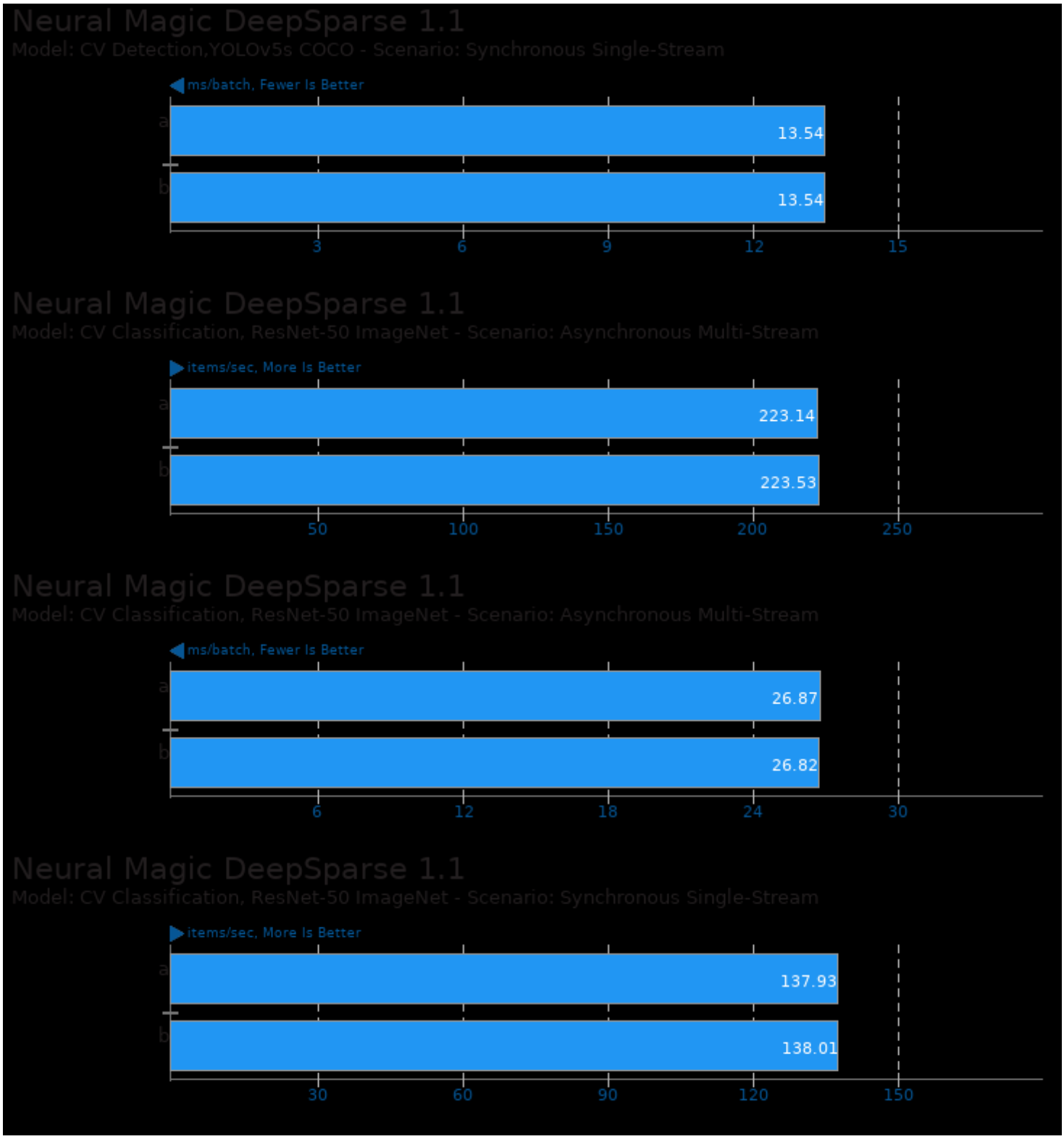
Neural Magic DeepSparse 1.1

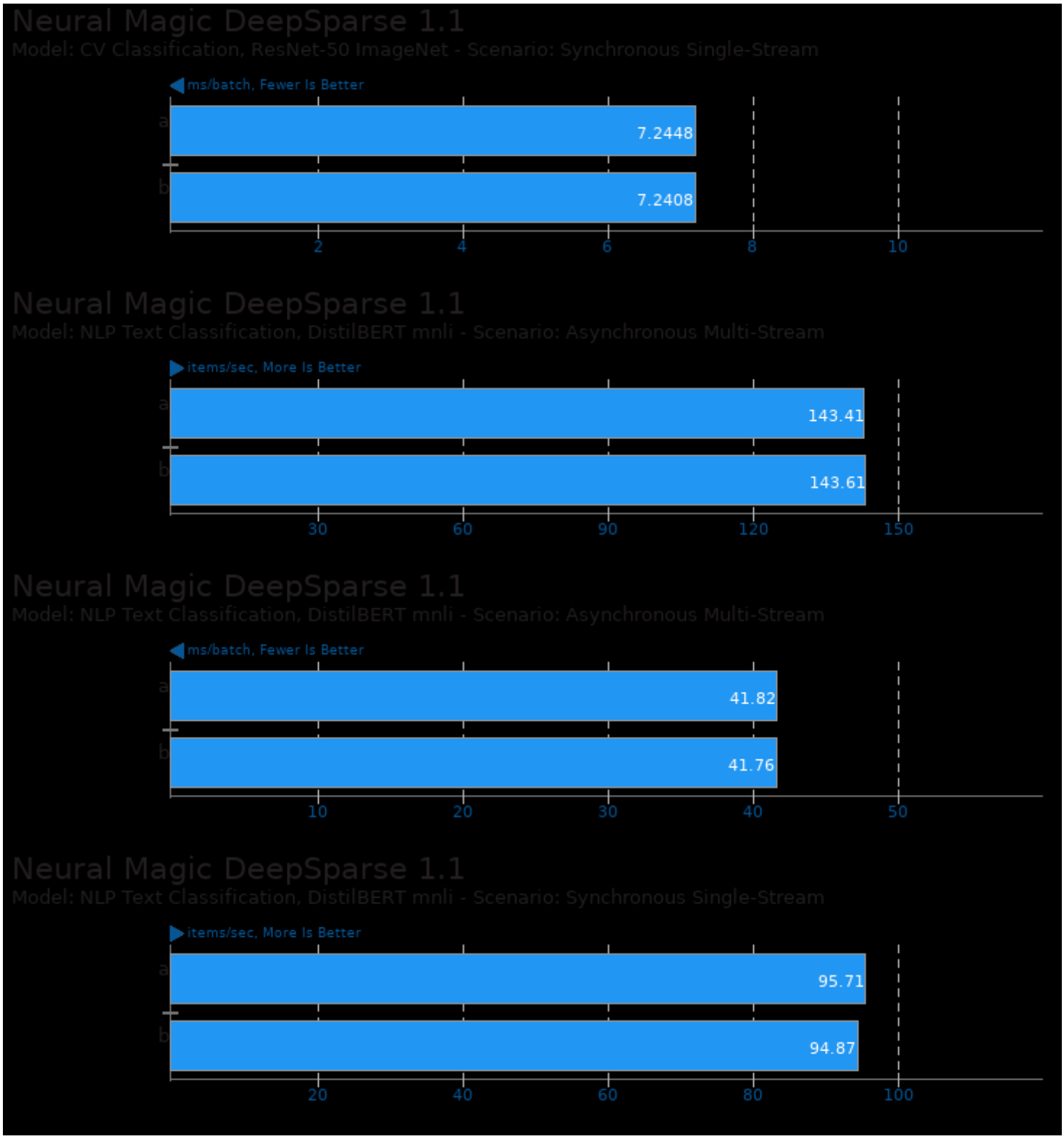
Model: NLP Document Classification, oBERT base uncased on IMDB - Scenario: Synchronous Single-Stream

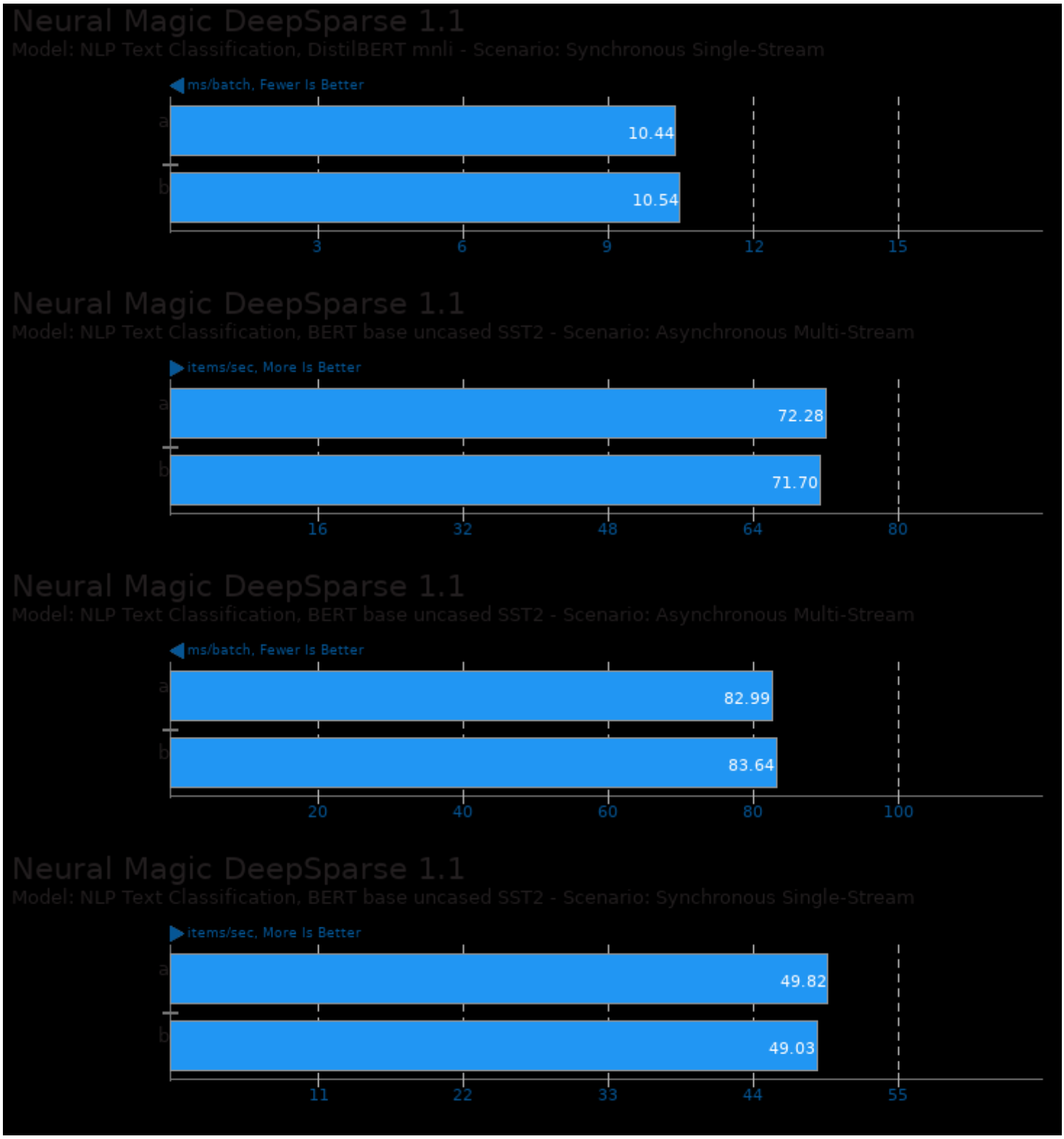


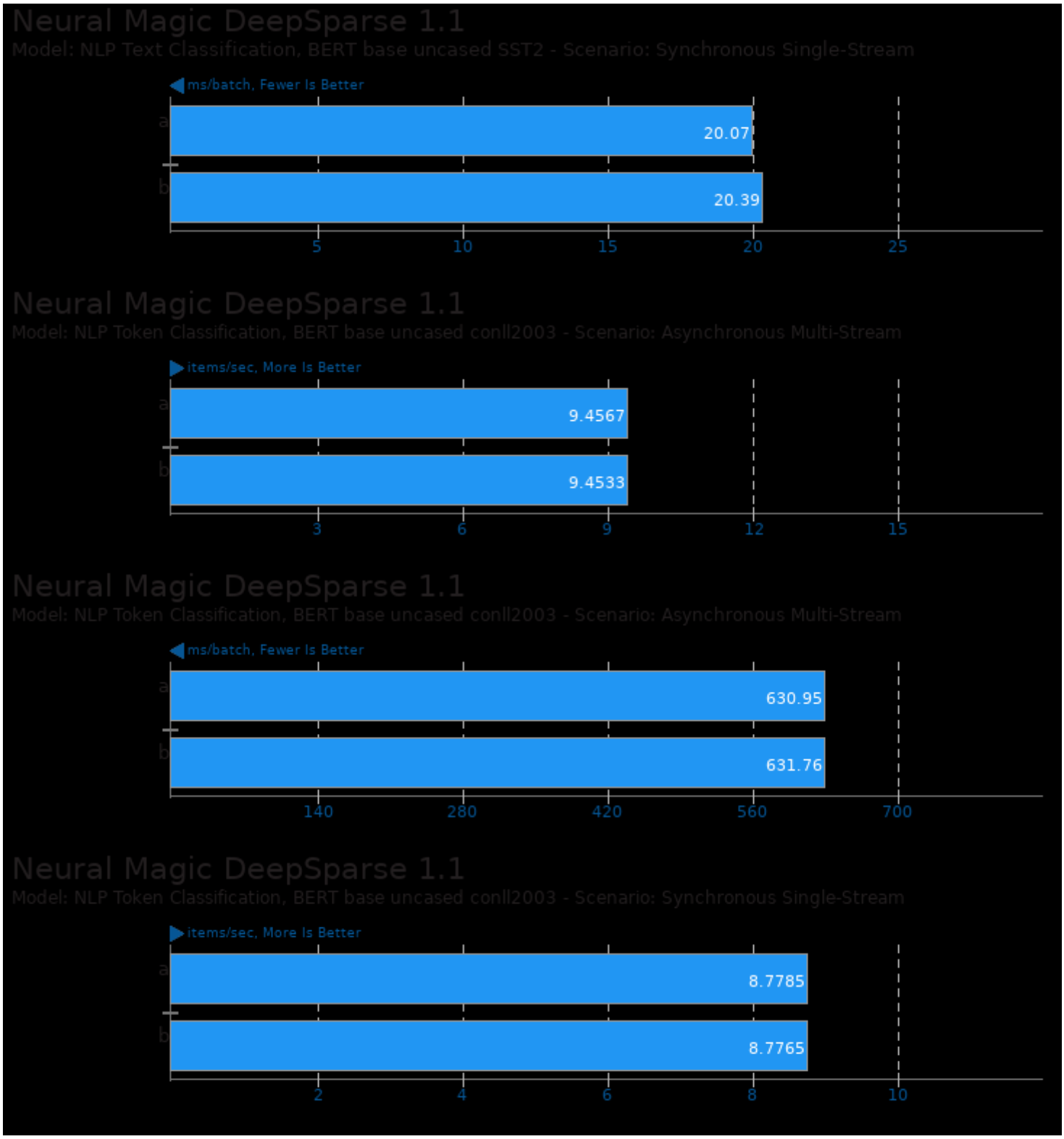

Neural Magic DeepSparse 1.1
Model: NLP Document Classification, oBERT base uncased on IMDB - Scenario: Synchronous Single-Stream
ms/batch, Fewer Is Better
a
b
114.31
114.00
30
60
90
120
150
Neural Magic DeepSparse 1.1
Model: NLP Question Answering, BERT base uncased SQuaD 12layer Pruned90 - Scenario: Asynchronous Multi-Stream
items/sec, More Is Better
a
b
91.57
91.52
20
40
60
80
100
Neural Magic DeepSparse 1.1
Model: NLP Question Answering, BERT base uncased SQuaD 12layer Pruned90 - Scenario: Asynchronous Multi-Stream
ms/batch, Fewer Is Better
a
b
65.50
65.51
15
30
45
60
75
Neural Magic DeepSparse 1.1
Model: NLP Question Answering, BERT base uncased SQuaD 12layer Pruned90 - Scenario: Synchronous Single-Stream
items/sec, More Is Better
a
b
56.91
57.01
13
26
39
52
65


Neural Magic DeepSparse 1.1
Model: NLP Question Answering, BERT base uncased SQuaD 12layer Pruned90 - Scenario: Synchronous Single-Stream
ms/batch, Fewer Is Better
a
17.57
b
17.54
4
8
12
16
20
Neural Magic DeepSparse 1.1
Model: CV Detection,YOLOv5s COCO - Scenario: Asynchronous Multi-Stream
items/sec, More Is Better
a
94.59
b
94.70
20
40
60
80
100
Neural Magic DeepSparse 1.1
Model: CV Detection,YOLOv5s COCO - Scenario: Asynchronous Multi-Stream
ms/batch, Fewer Is Better
a
63.41
b
63.33
14
28
42
56
70
Neural Magic DeepSparse 1.1
Model: CV Detection,YOLOv5s COCO - Scenario: Synchronous Single-Stream
items/sec, More Is Better
a
73.82
b
73.80
16
32
48
64
80


Neural Magic DeepSparse 1.1
Model: CV Detection,YOLOv5s COCO - Scenario: Synchronous Single-Stream
ms/batch, Fewer Is Better
a
13.54
b
13.54
3
6
9
12
15
Neural Magic DeepSparse 1.1
Model: CV Classification, ResNet-50 ImageNet - Scenario: Asynchronous Multi-Stream
items/sec, More Is Better
a
223.14
b
223.53
50
100
150
200
250
Neural Magic DeepSparse 1.1
Model: CV Classification, ResNet-50 ImageNet - Scenario: Asynchronous Multi-Stream
ms/batch, Fewer Is Better
a
26.87
b
26.82
6
12
18
24
30
Neural Magic DeepSparse 1.1
Model: CV Classification, ResNet-50 ImageNet - Scenario: Synchronous Single-Stream
items/sec, More Is Better
a
137.93
b
138.01
30
60
90
120
150

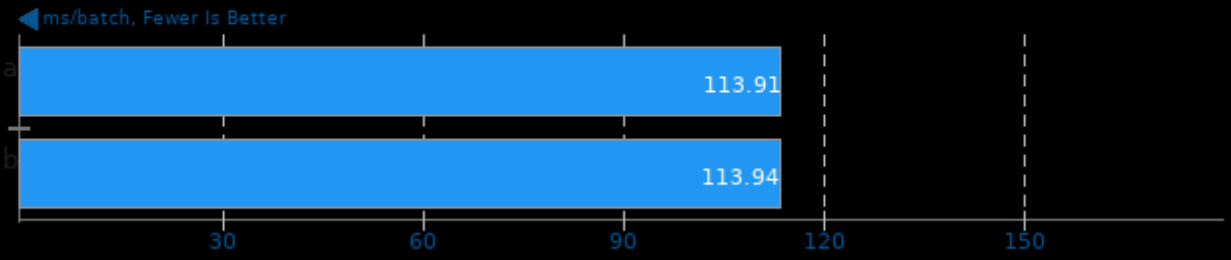

Neural Magic DeepSparse 1.1
Model: CV Classification, ResNet-50 ImageNet - Scenario: Synchronous Single-Stream
ms/batch, Fewer Is Better
a
7.2448
b
7.2408
2
4
6
8
10
Neural Magic DeepSparse 1.1
Model: NLP Text Classification, DistilBERT mnli - Scenario: Asynchronous Multi-Stream
items/sec, More Is Better
a
143.41
b
143.61
30
60
90
120
150
Neural Magic DeepSparse 1.1
Model: NLP Text Classification, DistilBERT mnli - Scenario: Asynchronous Multi-Stream
ms/batch, Fewer Is Better
a
41.82
b
41.76
10
20
30
40
50
Neural Magic DeepSparse 1.1
Model: NLP Text Classification, DistilBERT mnli - Scenario: Synchronous Single-Stream
items/sec, More Is Better
a
95.71
b
94.87
20
40
60
80
100


Neural Magic DeepSparse 1.1
Model: NLP Text Classification, DistilBERT mnli - Scenario: Synchronous Single-Stream
ms/batch, Fewer Is Better
a
10.44
b
10.54
3
6
9
12
15
Neural Magic DeepSparse 1.1
Model: NLP Text Classification, BERT base uncased SST2 - Scenario: Asynchronous Multi-Stream
items/sec, More Is Better
a
72.28
b
71.70
16
32
48
64
80
Neural Magic DeepSparse 1.1
Model: NLP Text Classification, BERT base uncased SST2 - Scenario: Asynchronous Multi-Stream
ms/batch, Fewer Is Better
a
82.99
b
83.64
20
40
60
80
100
Neural Magic DeepSparse 1.1
Model: NLP Text Classification, BERT base uncased SST2 - Scenario: Synchronous Single-Stream
items/sec, More Is Better
a
49.82
b
49.03
11
22
33
44
55


Neural Magic DeepSparse 1.1
Model: NLP Text Classification, BERT base uncased SST2 - Scenario: Synchronous Single-Stream
ms/batch, Fewer Is Better
a
20.07
b
20.39
5
10
15
20
25
Neural Magic DeepSparse 1.1
Model: NLP Token Classification, BERT base uncased conll2003 - Scenario: Asynchronous Multi-Stream
items/sec, More Is Better
a
9.4567
b
9.4533
3
6
9
12
15
Neural Magic DeepSparse 1.1
Model: NLP Token Classification, BERT base uncased conll2003 - Scenario: Asynchronous Multi-Stream
ms/batch, Fewer Is Better
a
630.95
b
631.76
140
280
420
560
700
Neural Magic DeepSparse 1.1
Model: NLP Token Classification, BERT base uncased conll2003 - Scenario: Synchronous Single-Stream
items/sec, More Is Better
a
8.7785
b
8.7765
2
4
6
8
10

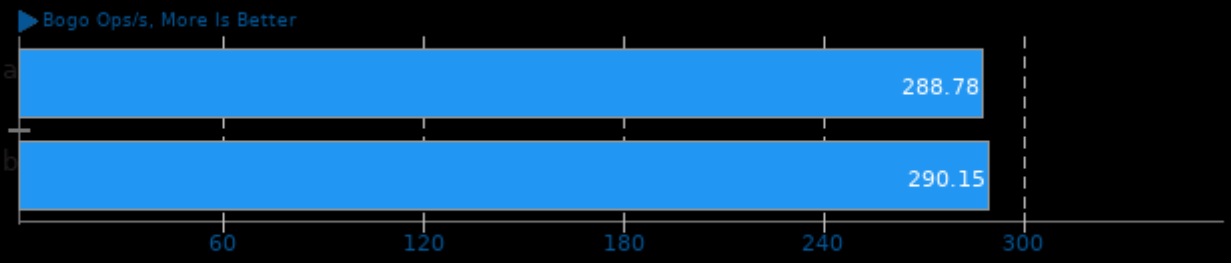
Neural Magic DeepSparse 1.1

Model: NLP Token Classification, BERT base uncased conll2003 - Scenario: Synchronous Single-Stream



Stress-NG 0.14.06

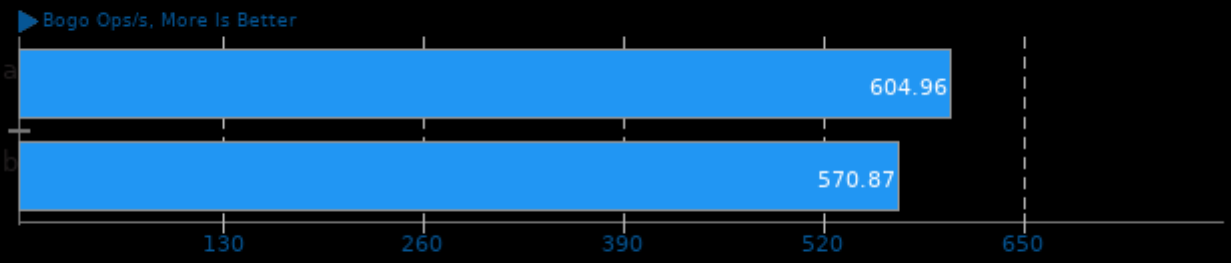
Test: MMAP



1. (CC) gcc options: -O2 -std=gnu99 -lm -fuse-ld=gold -lapparmor -latomic -lc -lcrypt -ldl -lEGL -lGLESv2 -ljpeg -lrt -lsctp -lz -pthread

Stress-NG 0.14.06

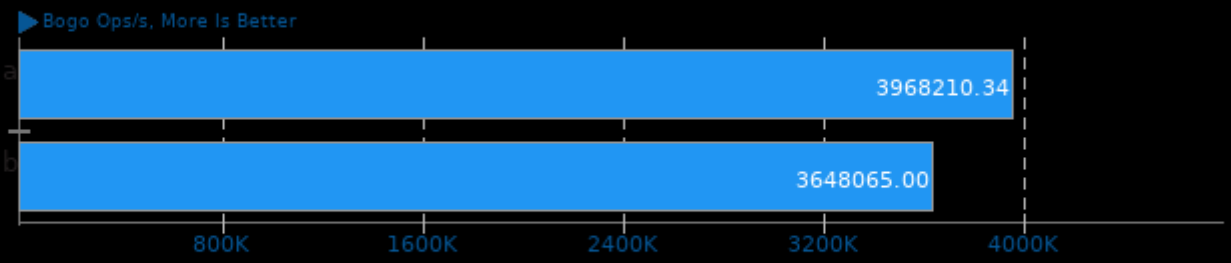
Test: NUMA



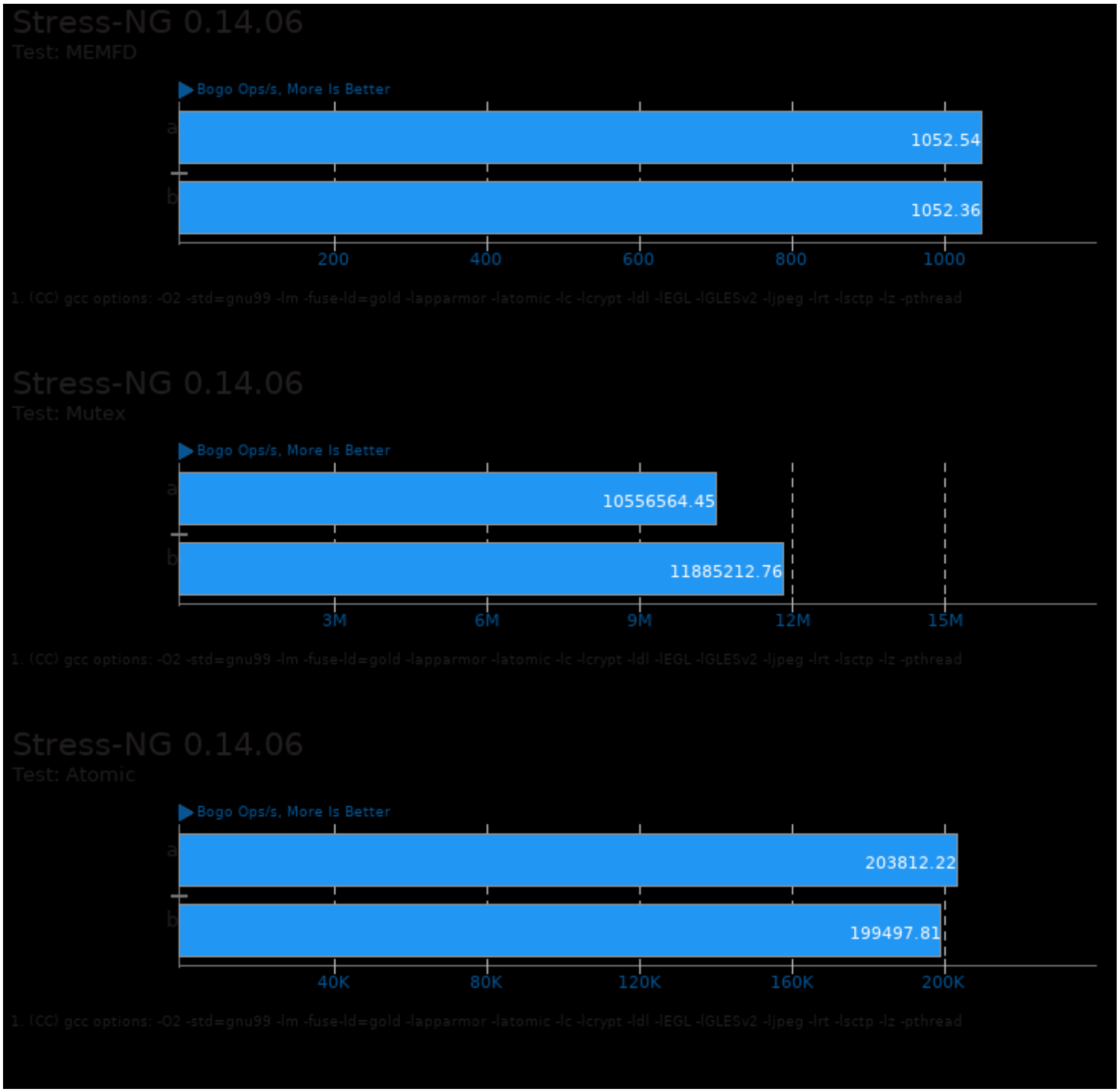
1. (CC) gcc options: -O2 -std=gnu99 -lm -fuse-ld=gold -lapparmor -latomic -lc -lcrypt -ldl -lEGL -lGLESv2 -ljpeg -lrt -lsctp -lz -pthread

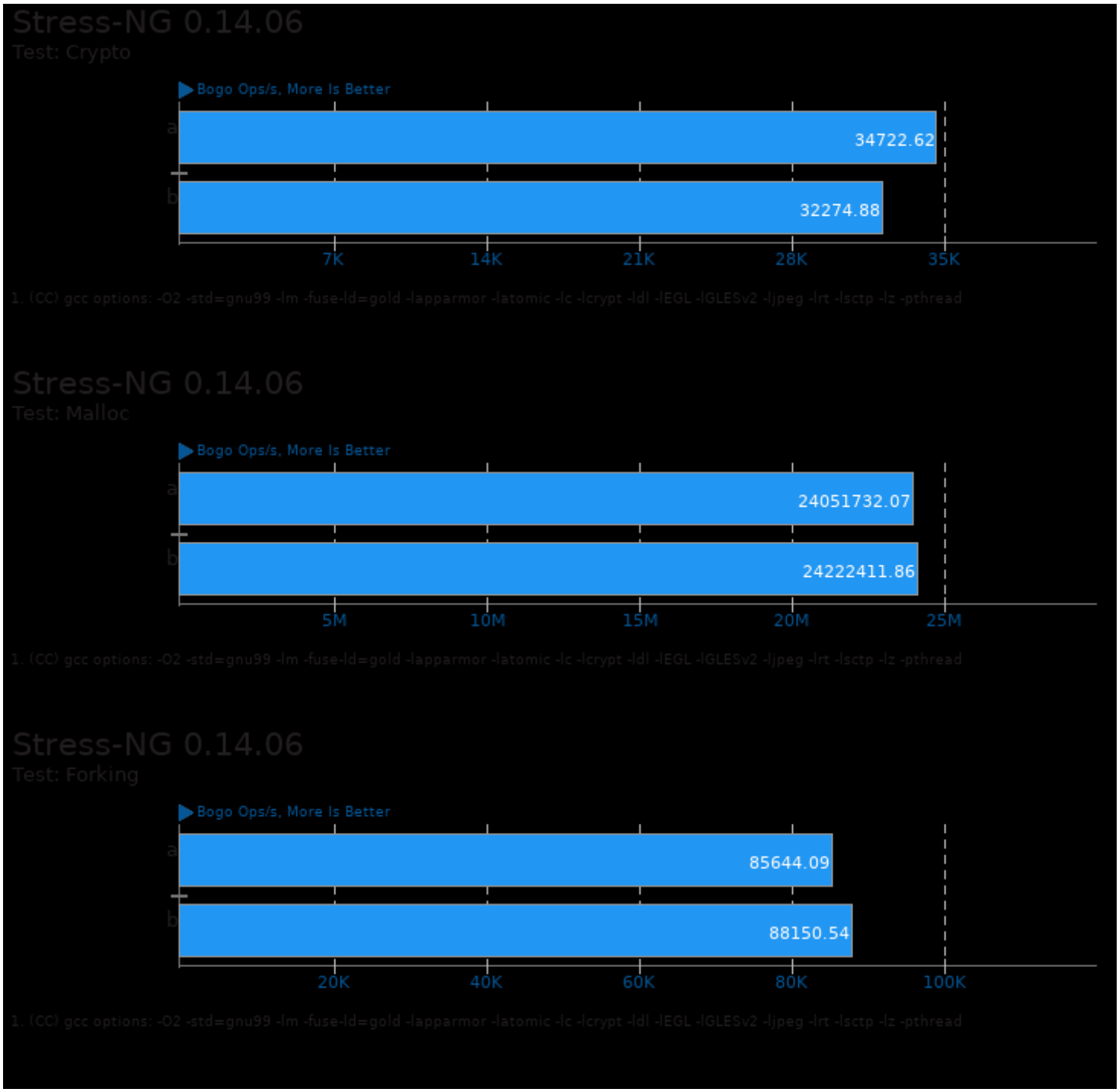
Stress-NG 0.14.06

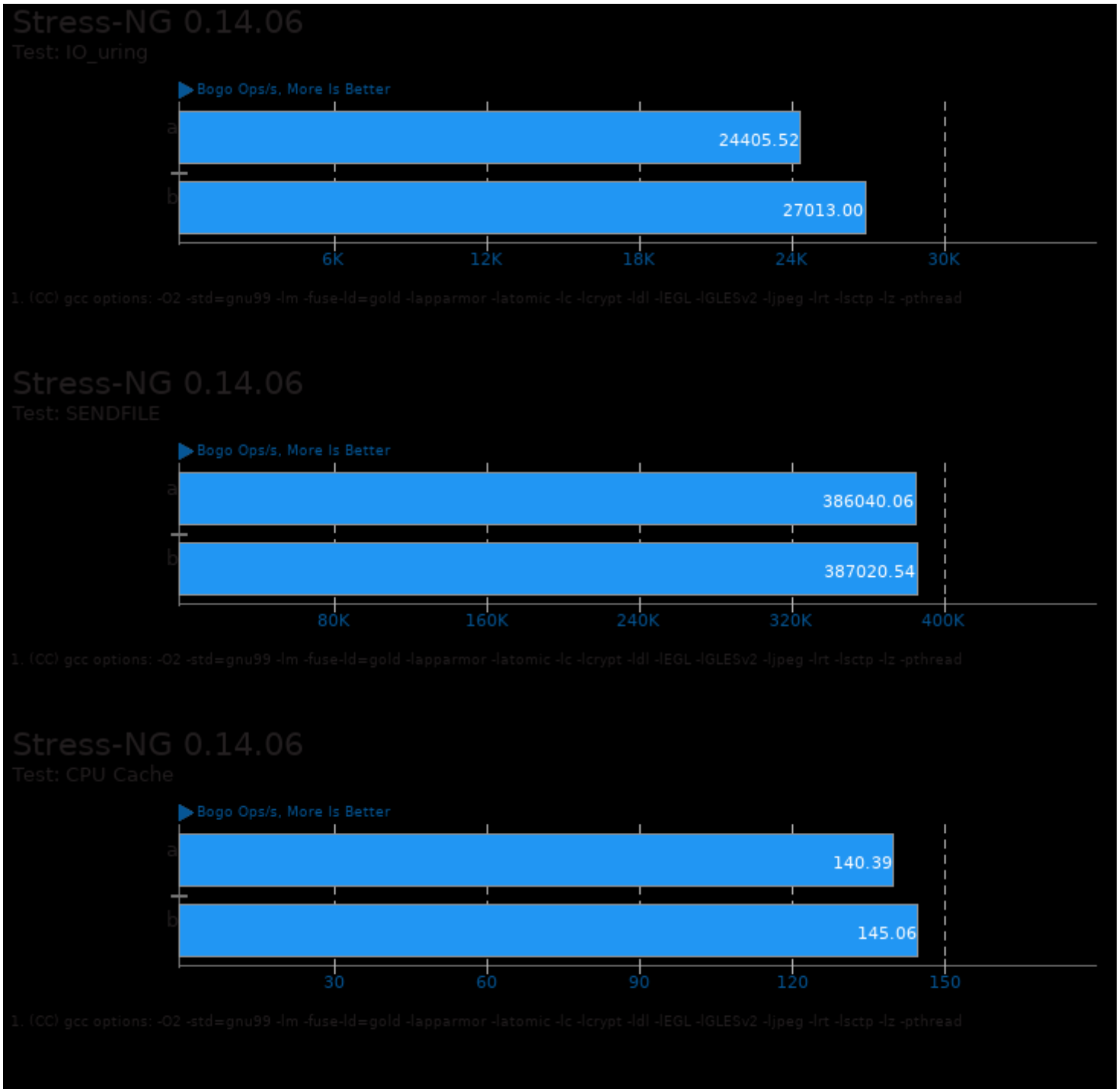
Test: Futex

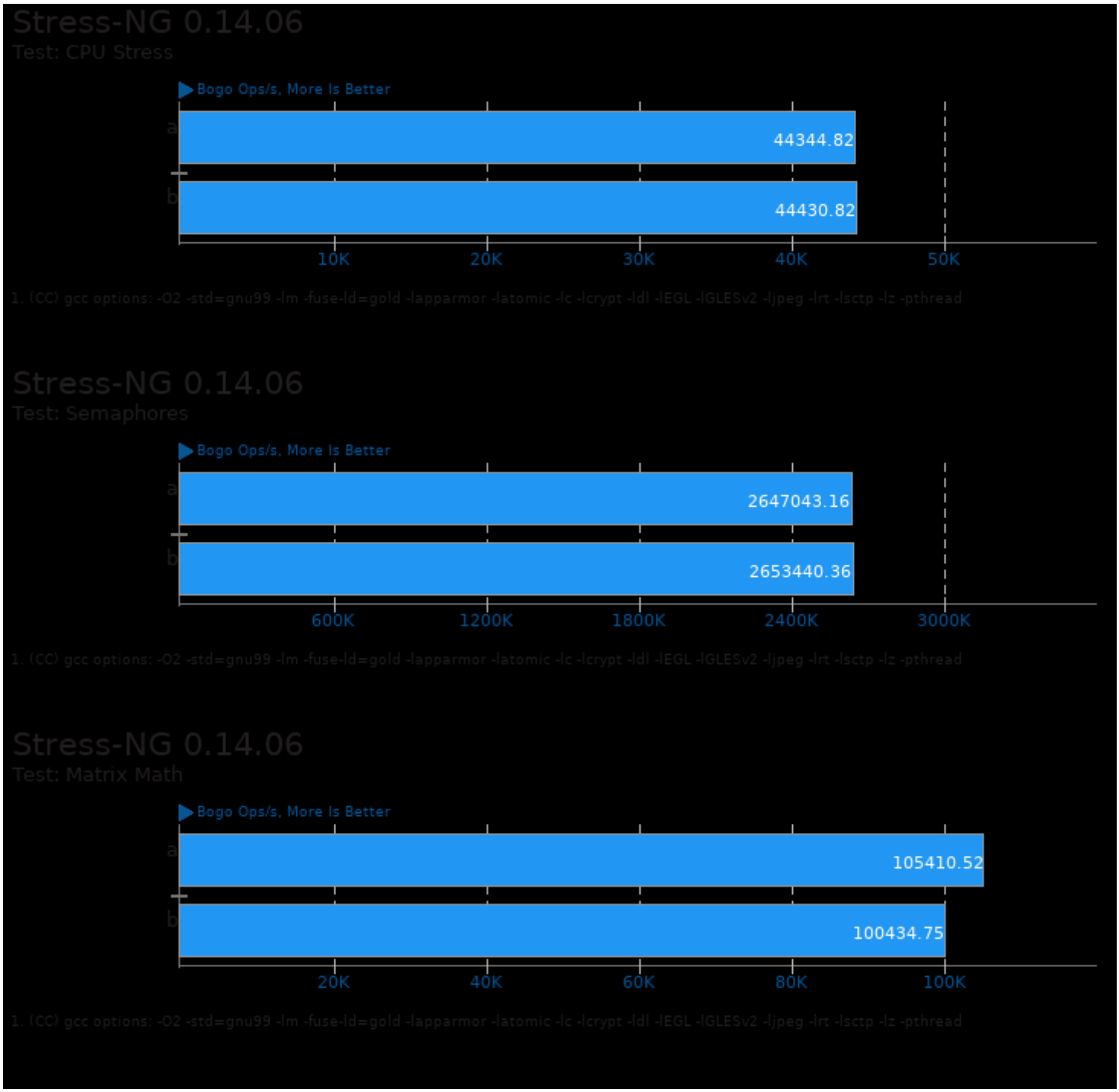


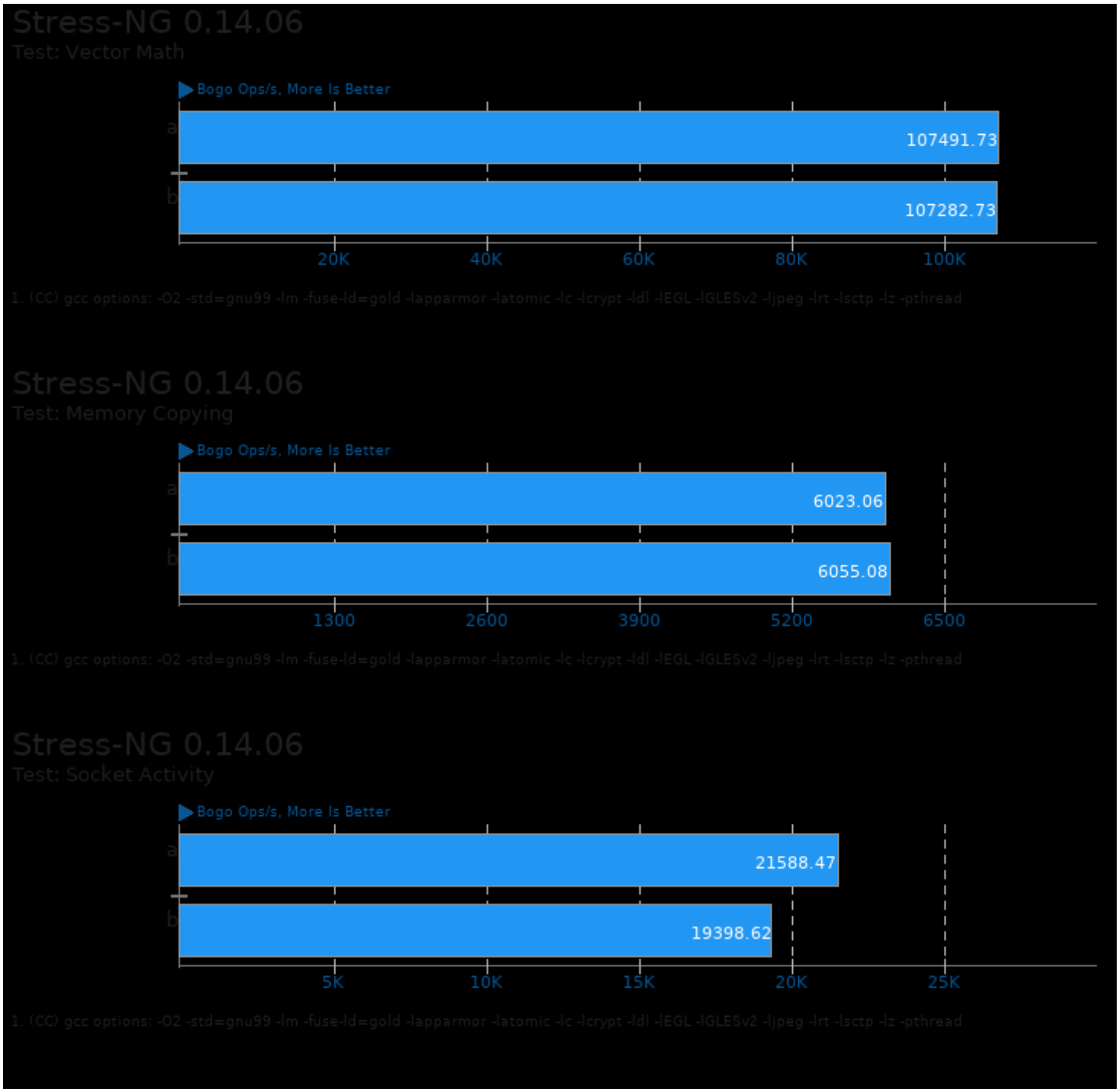
1. (CC) gcc options: -O2 -std=gnu99 -lm -fuse-ld=gold -lapparmor -latomic -lc -lcrypt -ldl -lEGL -lGLESv2 -ljpeg -lrt -lsctp -lz -pthread

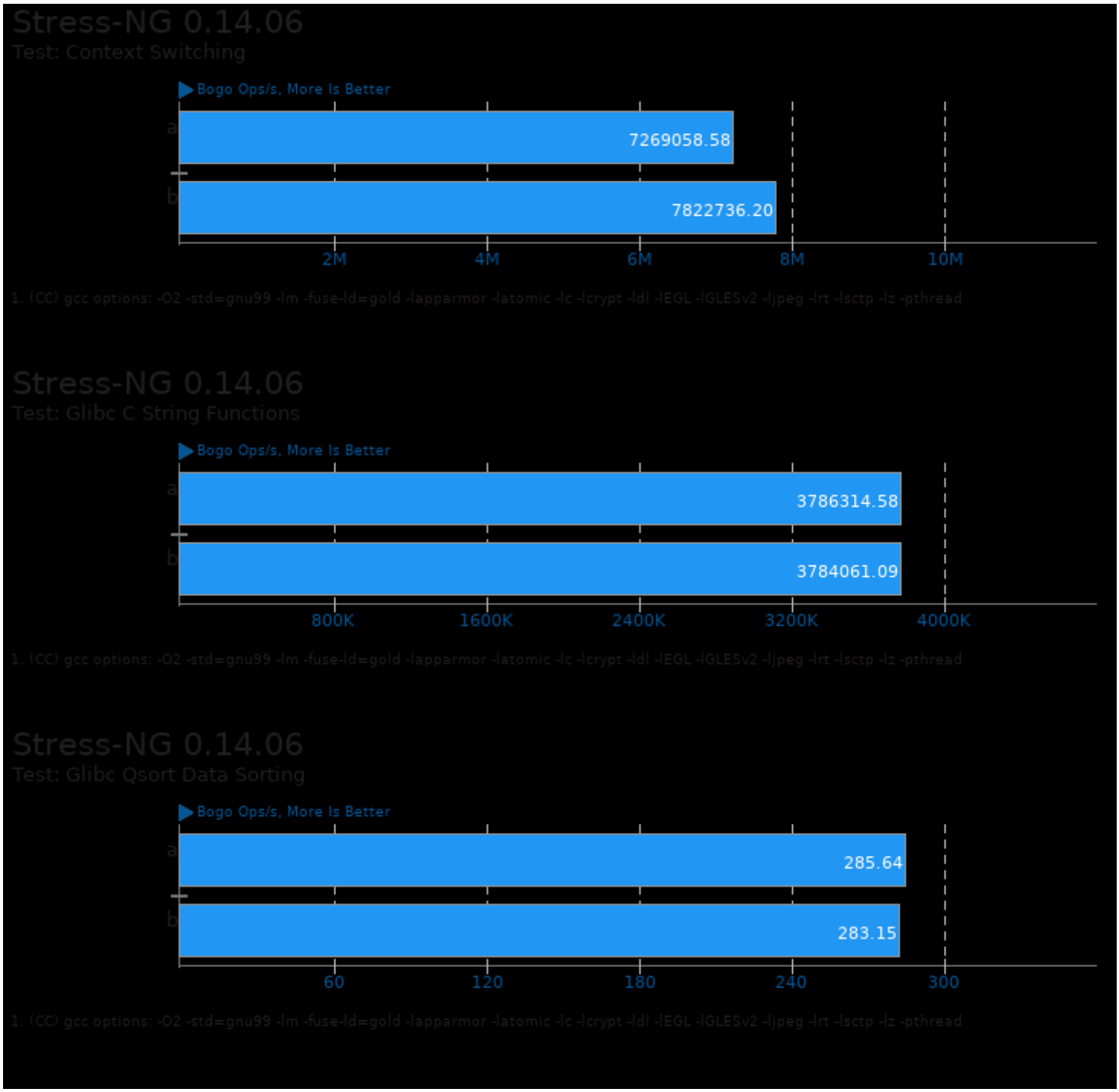

Stress-NG 0.14.06
Test: MEMFD
Bogo Ops/s, More Is Better
a
1052.54
b
1052.36
200
400
600
800
1000
1. (CC) gcc options: -O2 -std=gnu99 -lm -fuse-ld=gold -lapparmor -latomic -lc -lcrypt -ldl -lEGL -lGLESv2 -ljpeg -lrt -lsctp -lz -pthread
Stress-NG 0.14.06
Test: Mutex
Bogo Ops/s, More Is Better
a
10556564.45
b
11885212.76
3M
6M
9M
12M
15M
1. (CC) gcc options: -O2 -std=gnu99 -lm -fuse-ld=gold -lapparmor -latomic -lc -lcrypt -ldl -lEGL -lGLESv2 -ljpeg -lrt -lsctp -lz -pthread
Stress-NG 0.14.06
Test: Atomic
Bogo Ops/s, More Is Better
a
203812.22
b
199497.81
40K
80K
120K
160K
200K
1. (CC) gcc options: -O2 -std=gnu99 -lm -fuse-ld=gold -lapparmor -latomic -lc -lcrypt -ldl -lEGL -lGLESv2 -ljpeg -lrt -lsctp -lz -pthread


Stress-NG 0.14.06
Test: Crypto
Bogo Ops/s, More Is Better
a
34722.62
b
32274.88
7K
14K
21K
28K
35K
1. (CC) gcc options: -O2 -std=gnu99 -lm -fuse-ld=gold -lapparmor -latomic -lc -lcrypt -ldl -lEGL -lGLESv2 -ljpeg -lrt -lsctp -lz -pthread
Stress-NG 0.14.06
Test: Malloc
Bogo Ops/s, More Is Better
a
24051732.07
b
24222411.86
5M
10M
15M
20M
25M
1. (CC) gcc options: -O2 -std=gnu99 -lm -fuse-ld=gold -lapparmor -latomic -lc -lcrypt -ldl -lEGL -lGLESv2 -ljpeg -lrt -lsctp -lz -pthread
Stress-NG 0.14.06
Test: Forking
Bogo Ops/s, More Is Better
a
85644.09
b
88150.54
20K
40K
60K
80K
100K
1. (CC) gcc options: -O2 -std=gnu99 -lm -fuse-ld=gold -lapparmor -latomic -lc -lcrypt -ldl -lEGL -lGLESv2 -ljpeg -lrt -lsctp -lz -pthread


Stress-NG 0.14.06
Test: IO_uring
Bogo Ops/s, More Is Better
a
24405.52
b
27013.00
6K
12K
18K
24K
30K
1. (CC) gcc options: -O2 -std=gnu99 -lm -fuse-ld=gold -lapparmor -latomic -lc -lcrypt -ldl -lEGL -lGLESv2 -ljpeg -lrt -lsctp -lz -pthread
Stress-NG 0.14.06
Test: SENDFILE
Bogo Ops/s, More Is Better
a
386040.06
b
387020.54
80K
160K
240K
320K
400K
1. (CC) gcc options: -O2 -std=gnu99 -lm -fuse-ld=gold -lapparmor -latomic -lc -lcrypt -ldl -lEGL -lGLESv2 -ljpeg -lrt -lsctp -lz -pthread
Stress-NG 0.14.06
Test: CPU Cache
Bogo Ops/s, More Is Better
a
140.39
b
145.06
30
60
90
120
150
1. (CC) gcc options: -O2 -std=gnu99 -lm -fuse-ld=gold -lapparmor -latomic -lc -lcrypt -ldl -lEGL -lGLESv2 -ljpeg -lrt -lsctp -lz -pthread

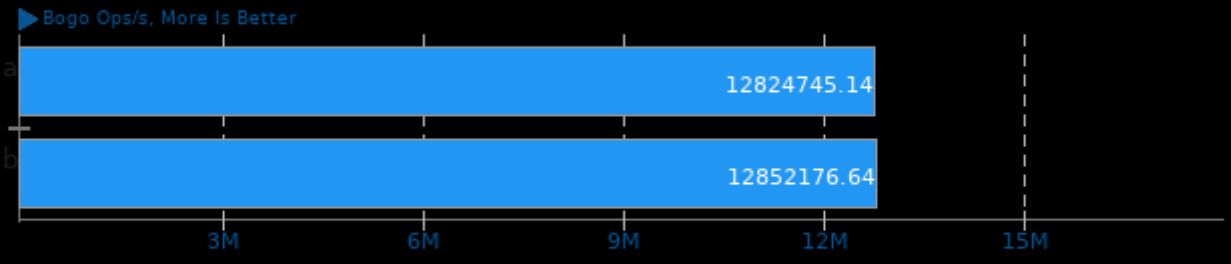

Stress-NG 0.14.06
Test: CPU Stress
Bogo Ops/s, More Is Better
a
44344.82
b
44430.82
10K
20K
30K
40K
50K
1. (CC) gcc options: -O2 -std=gnu99 -lm -fuse-ld=gold -lapparmor -latomic -lc -lcrypt -ldl -lEGL -lGLESv2 -ljpeg -lrt -lsctp -lz -pthread
Stress-NG 0.14.06
Test: Semaphores
Bogo Ops/s, More Is Better
a
2647043.16
b
2653440.36
600K
1200K
1800K
2400K
3000K
1. (CC) gcc options: -O2 -std=gnu99 -lm -fuse-ld=gold -lapparmor -latomic -lc -lcrypt -ldl -lEGL -lGLESv2 -ljpeg -lrt -lsctp -lz -pthread
Stress-NG 0.14.06
Test: Matrix Math
Bogo Ops/s, More Is Better
a
105410.52
b
100434.75
20K
40K
60K
80K
100K
1. (CC) gcc options: -O2 -std=gnu99 -lm -fuse-ld=gold -lapparmor -latomic -lc -lcrypt -ldl -lEGL -lGLESv2 -ljpeg -lrt -lsctp -lz -pthread


Stress-NG 0.14.06
Test: Vector Math
Bogo Ops/s, More Is Better
a
b
107491.73
107282.73
20K
40K
60K
80K
100K
1. (CC) gcc options: -O2 -std=gnu99 -lm -fuse-ld=gold -lapparmor -latomic -lc -lcrypt -ldl -lEGL -lGLESv2 -ljpeg -lrt -lsctp -lz -pthread
Stress-NG 0.14.06
Test: Memory Copying
Bogo Ops/s, More Is Better
a
b
6023.06
6055.08
1300
2600
3900
5200
6500
1. (CC) gcc options: -O2 -std=gnu99 -lm -fuse-ld=gold -lapparmor -latomic -lc -lcrypt -ldl -lEGL -lGLESv2 -ljpeg -lrt -lsctp -lz -pthread
Stress-NG 0.14.06
Test: Socket Activity
Bogo Ops/s, More Is Better
a
b
21588.47
19398.62
5K
10K
15K
20K
25K
1. (CC) gcc options: -O2 -std=gnu99 -lm -fuse-ld=gold -lapparmor -latomic -lc -lcrypt -ldl -lEGL -lGLESv2 -ljpeg -lrt -lsctp -lz -pthread


Stress-NG 0.14.06
Test: Context Switching
Bogo Ops/s, More Is Better
a
7269058.58
b
7822736.20
2M
4M
6M
8M
10M
1. (CC) gcc options: -O2 -std=gnu99 -lm -fuse-ld=gold -lapparmor -latomic -lc -lcrypt -ldl -lEGL -lGLESv2 -ljpeg -lrt -lsctp -lz -pthread
Stress-NG 0.14.06
Test: Glibc C String Functions
Bogo Ops/s, More Is Better
a
3786314.58
b
3784061.09
800K
1600K
2400K
3200K
4000K
1. (CC) gcc options: -O2 -std=gnu99 -lm -fuse-ld=gold -lapparmor -latomic -lc -lcrypt -ldl -lEGL -lGLESv2 -ljpeg -lrt -lsctp -lz -pthread
Stress-NG 0.14.06
Test: Glibc Qsort Data Sorting
Bogo Ops/s, More Is Better
a
285.64
b
283.15
60
120
180
240
300
1. (CC) gcc options: -O2 -std=gnu99 -lm -fuse-ld=gold -lapparmor -latomic -lc -lcrypt -ldl -lEGL -lGLESv2 -ljpeg -lrt -lsctp -lz -pthread

Stress-NG 0.14.06

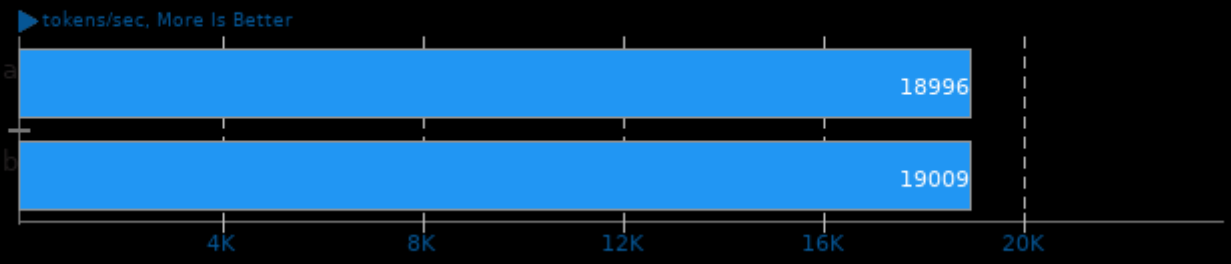
Test: System V Message Passing



1. (CC) gcc options: -O2 -std=gnu99 -lm -fuse-ld=gold -lapparmor -latomic -lc -lcrypt -ldl -lEGL -lGLESv2 -ljpeg -lrt -lsctp -lz -pthread

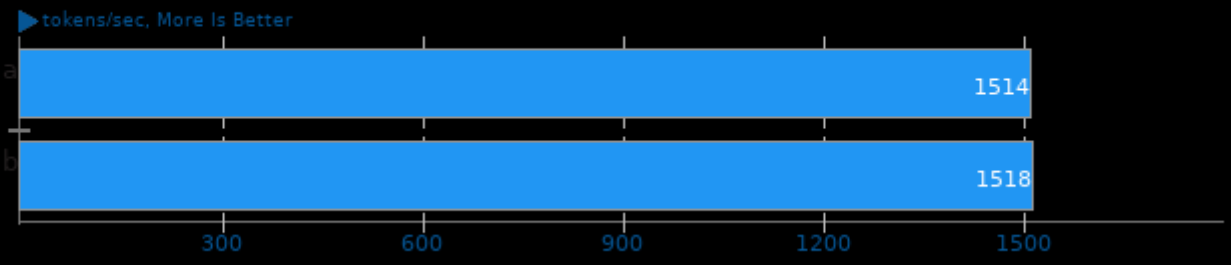
spaCy 3.4.1

Model: en_core_web_lg



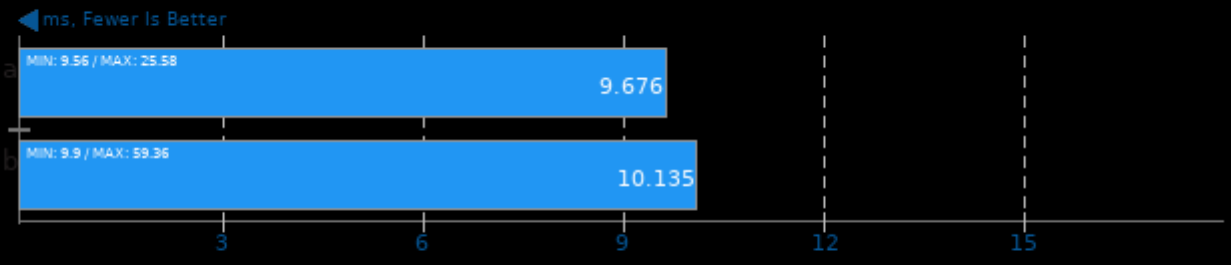
spaCy 3.4.1

Model: en_core_web_trf

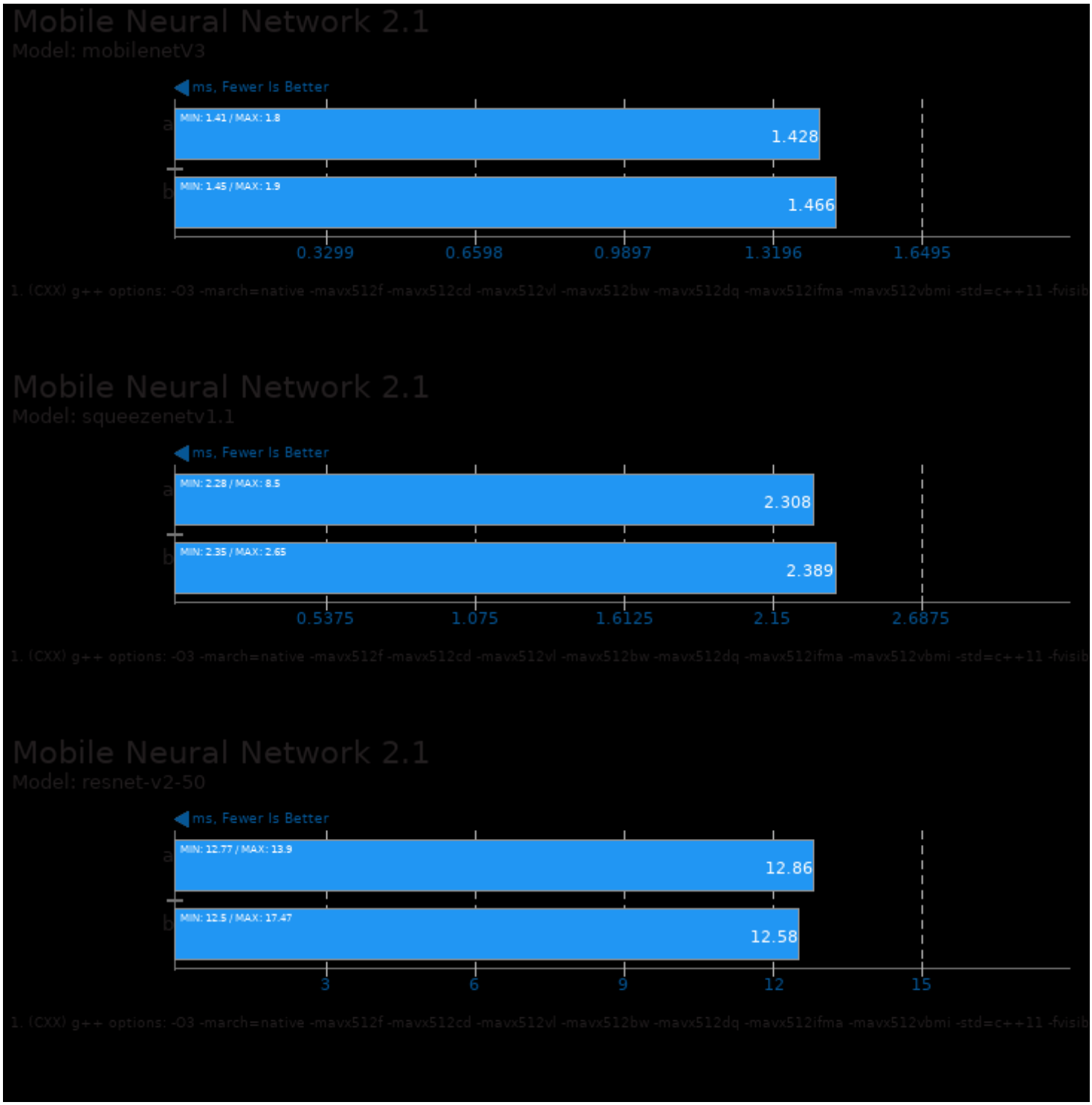


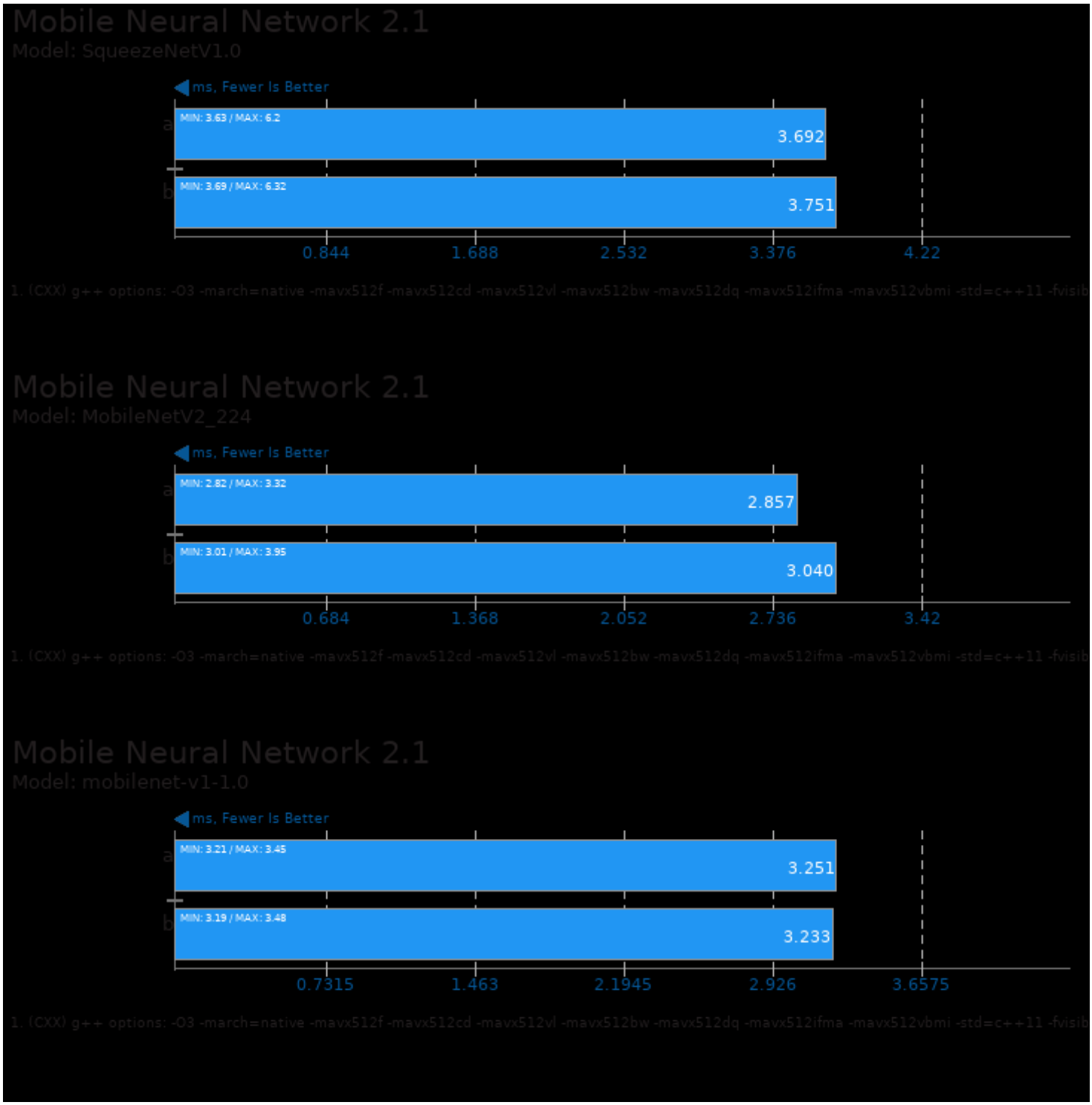
Mobile Neural Network 2.1

Model: nasnet



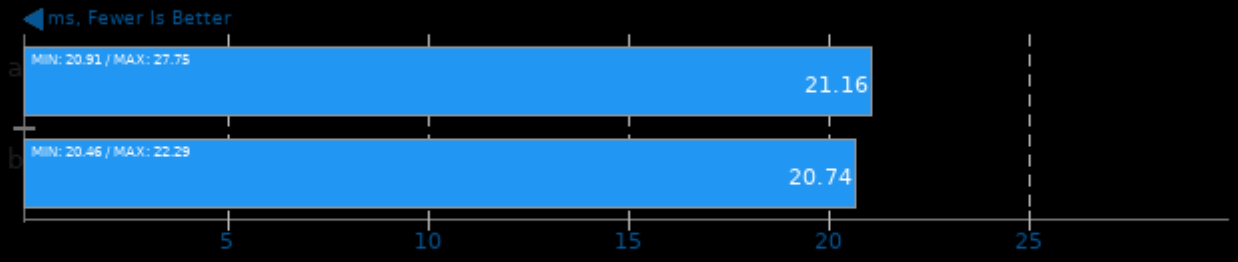
1. (CXX) g++ options: -O3 -march=native -mavx512f -mavx512cd -mavx512vl -mavx512bw -mavx512dq -mavx512ifma -mavx512vbmi -std=c++11 -fvisib


Mobile Neural Network 2.1
Model: mobilenetV3
ms, Fewer Is Better
MIN: 1.41 / MAX: 1.8
1.428
MIN: 1.45 / MAX: 1.9
1.466
0.3299
0.6598
0.9897
1.3196
1.6495
1. (CXX) g++ options: -O3 -march=native -mavx512f -mavx512cd -mavx512vl -mavx512bw -mavx512dq -mavx512ifma -mavx512vbmi -std=c++11 -fvisib
Mobile Neural Network 2.1
Model: squeezenetv1.1
ms, Fewer Is Better
MIN: 2.28 / MAX: 8.5
2.308
MIN: 2.35 / MAX: 2.65
2.389
0.5375
1.075
1.6125
2.15
2.6875
1. (CXX) g++ options: -O3 -march=native -mavx512f -mavx512cd -mavx512vl -mavx512bw -mavx512dq -mavx512ifma -mavx512vbmi -std=c++11 -fvisib
Mobile Neural Network 2.1
Model: resnet-v2-50
ms, Fewer Is Better
MIN: 12.77 / MAX: 13.9
12.86
MIN: 12.5 / MAX: 17.47
12.58
3
6
9
12
15
1. (CXX) g++ options: -O3 -march=native -mavx512f -mavx512cd -mavx512vl -mavx512bw -mavx512dq -mavx512ifma -mavx512vbmi -std=c++11 -fvisib


Mobile Neural Network 2.1
Model: SqueezeNetV1.0
ms, Fewer Is Better
MIN: 3.63 / MAX: 6.2
3.692
MIN: 3.69 / MAX: 6.32
3.751
0.844
1.688
2.532
3.376
4.22
1. (CXX) g++ options: -O3 -march=native -mavx512f -mavx512cd -mavx512vl -mavx512bw -mavx512dq -mavx512ifma -mavx512vbmi -std=c++11 -fvisib
Mobile Neural Network 2.1
Model: MobileNetV2_224
ms, Fewer Is Better
MIN: 2.82 / MAX: 3.32
2.857
MIN: 3.01 / MAX: 3.95
3.040
0.684
1.368
2.052
2.736
3.42
1. (CXX) g++ options: -O3 -march=native -mavx512f -mavx512cd -mavx512vl -mavx512bw -mavx512dq -mavx512ifma -mavx512vbmi -std=c++11 -fvisib
Mobile Neural Network 2.1
Model: mobilenet-v1-1.0
ms, Fewer Is Better
MIN: 3.21 / MAX: 3.45
3.251
MIN: 3.19 / MAX: 3.48
3.233
0.7315
1.463
2.1945
2.926
3.6575
1. (CXX) g++ options: -O3 -march=native -mavx512f -mavx512cd -mavx512vl -mavx512bw -mavx512dq -mavx512ifma -mavx512vbmi -std=c++11 -fvisib

Mobile Neural Network 2.1

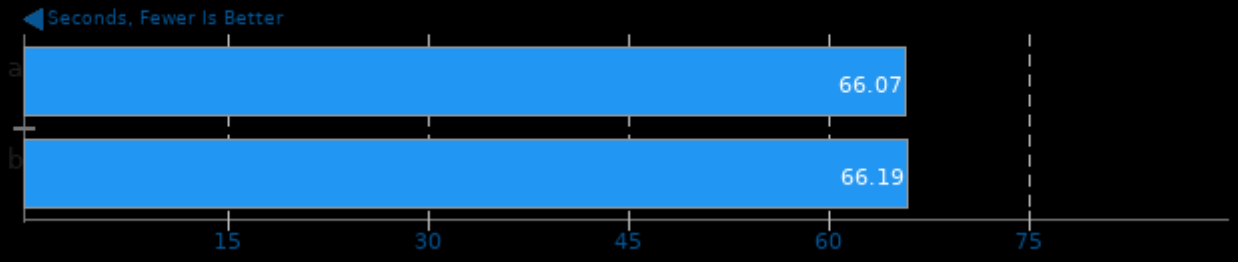
Model: inception-v3



1. (CXX) g++ options: -O3 -march=native -mavx512f -mavx512cd -mavx512vl -mavx512bw -mavx512dq -mavx512ifma -mavx512vbmi -std=c++11 -fvisib

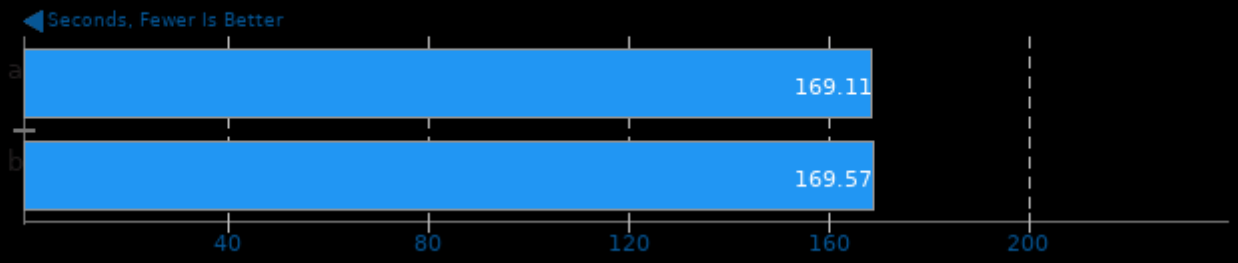
Blender 3.3

Blend File: BMW27 - Compute: CPU-Only



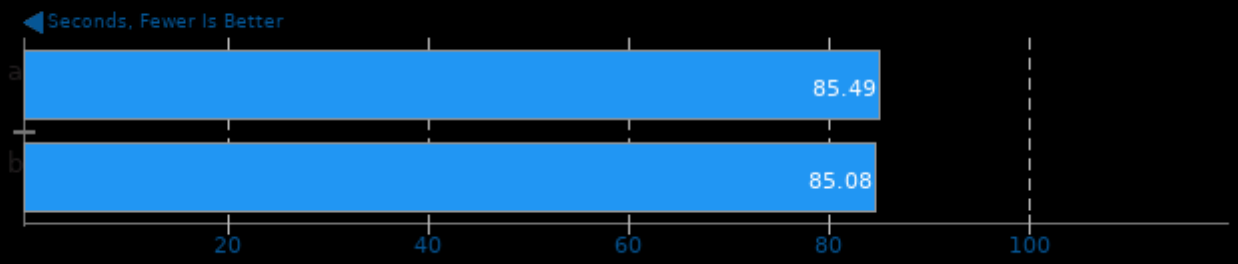
Blender 3.3

Blend File: Classroom - Compute: CPU-Only



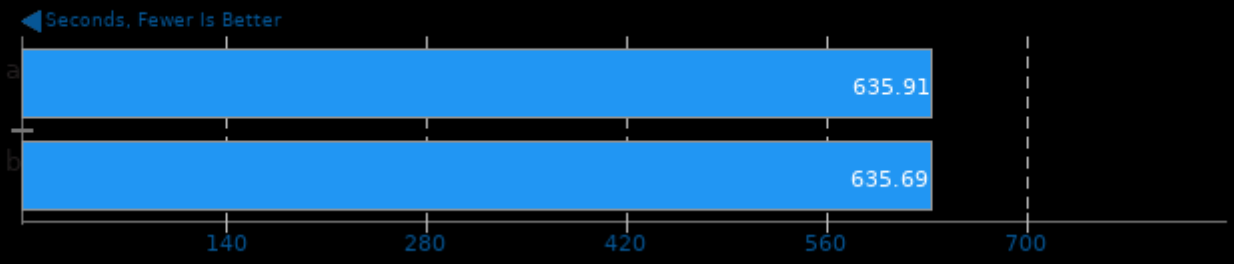
Blender 3.3

Blend File: Fishy Cat - Compute: CPU-Only



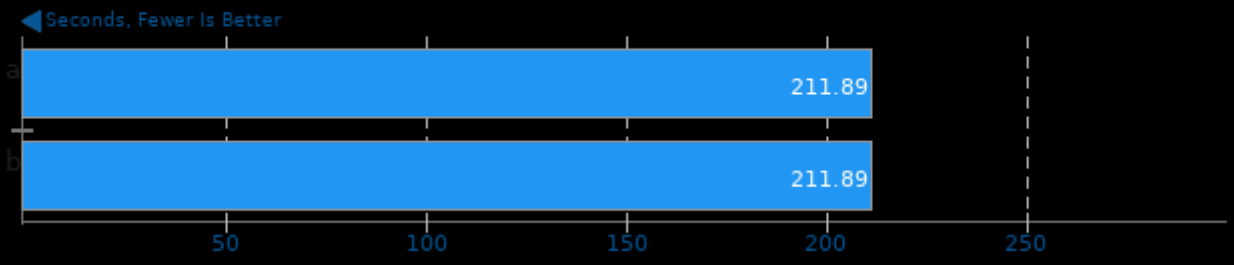
Blender 3.3

Blend File: Barbershop - Compute: CPU-Only



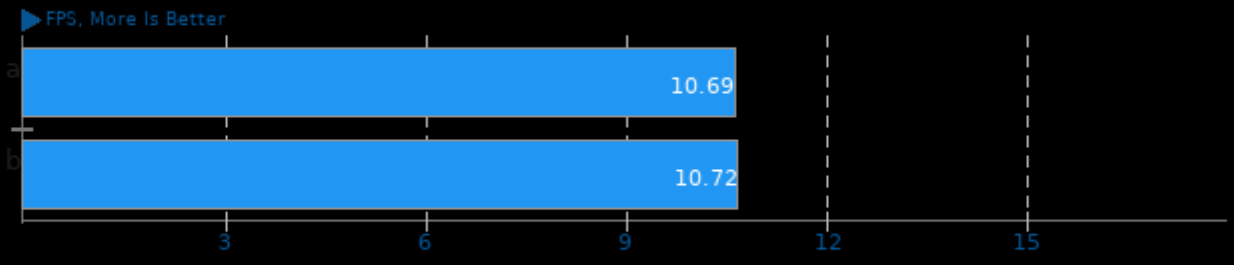
Blender 3.3

Blend File: Pabellon Barcelona - Compute: CPU-Only



OpenVINO 2022.2.dev

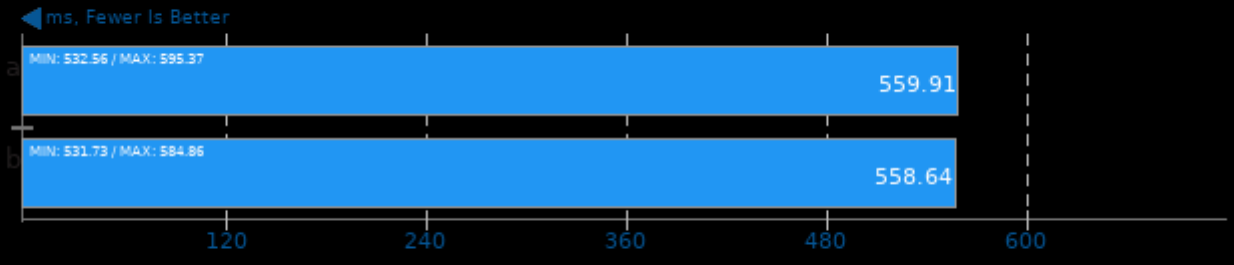
Model: Face Detection FP16 - Device: CPU



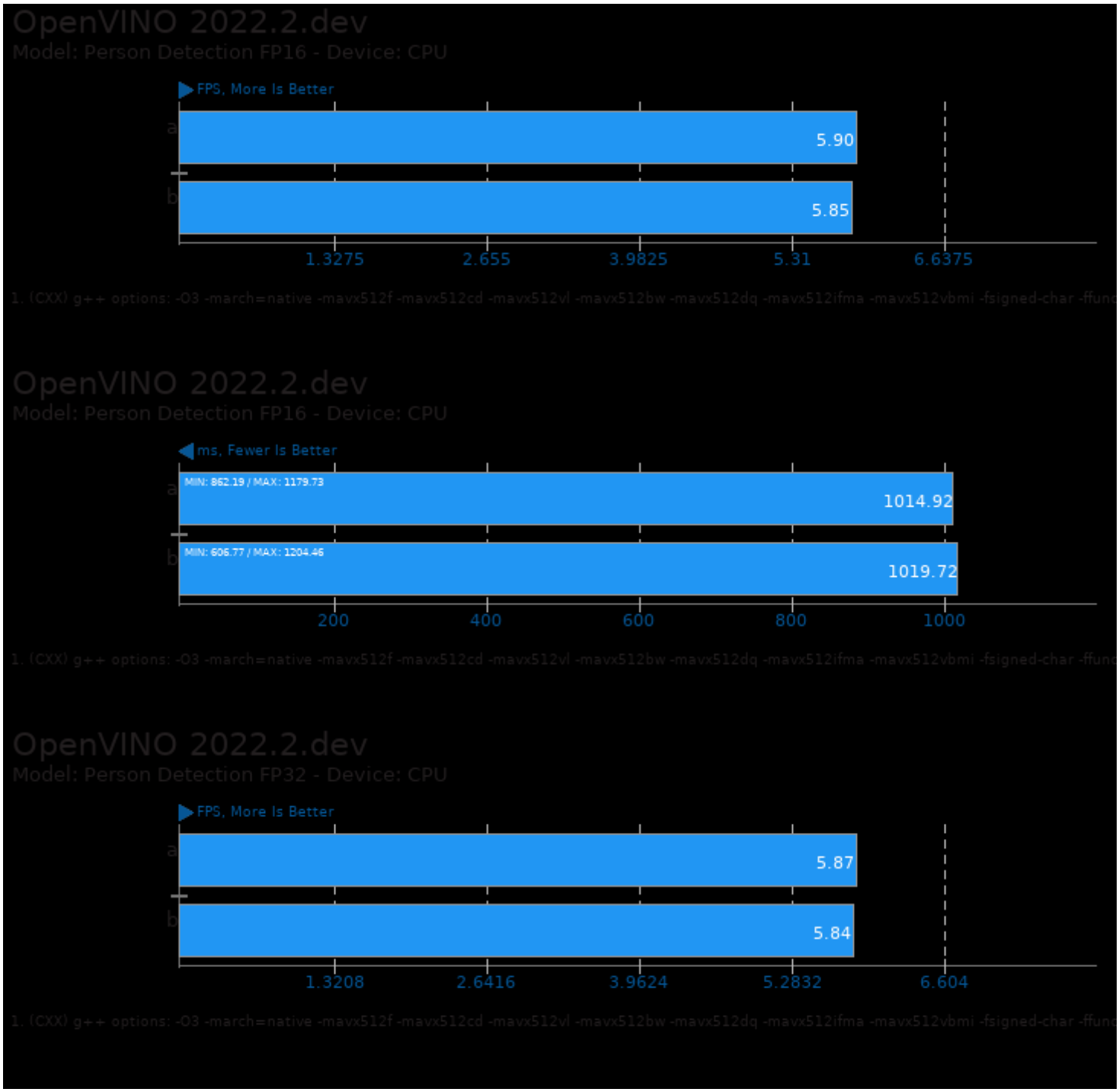
1. (CXX) g++ options: -O3 -march=native -mavx512f -mavx512cd -mavx512vl -mavx512bw -mavx512dq -mavx512ifma -mavx512vbmi -fsigned-char -ffun

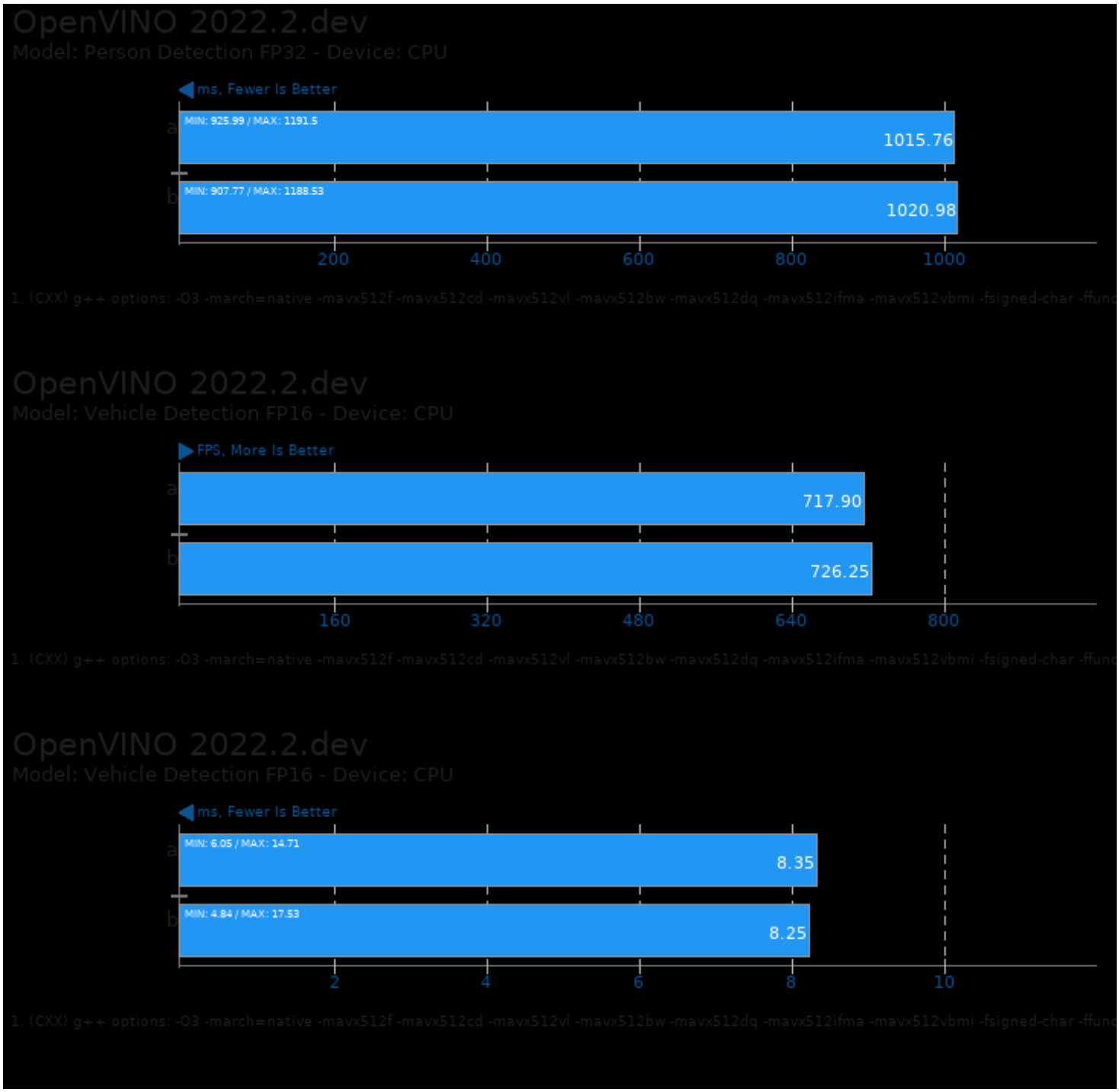
OpenVINO 2022.2.dev

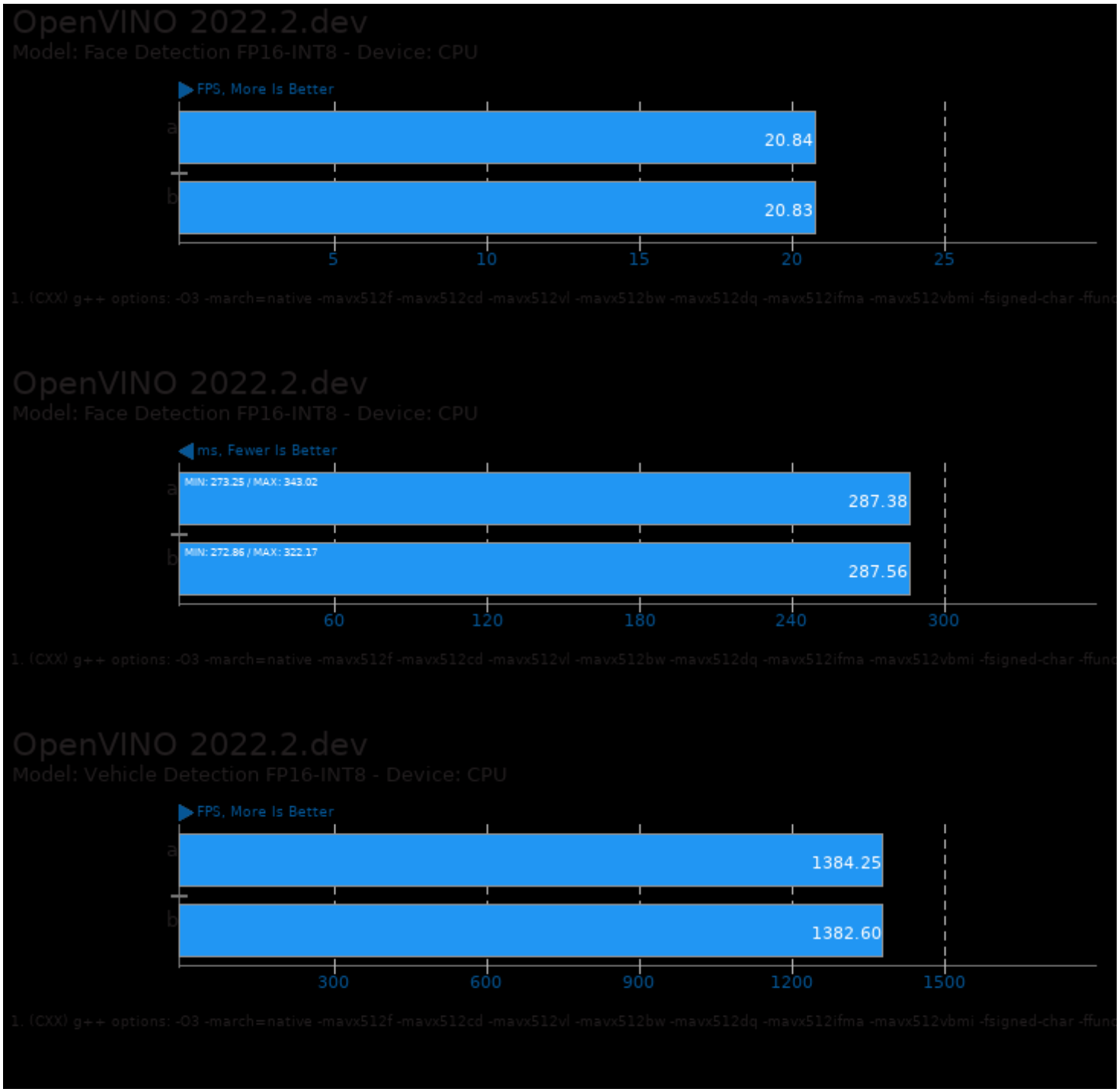
Model: Face Detection FP16 - Device: CPU

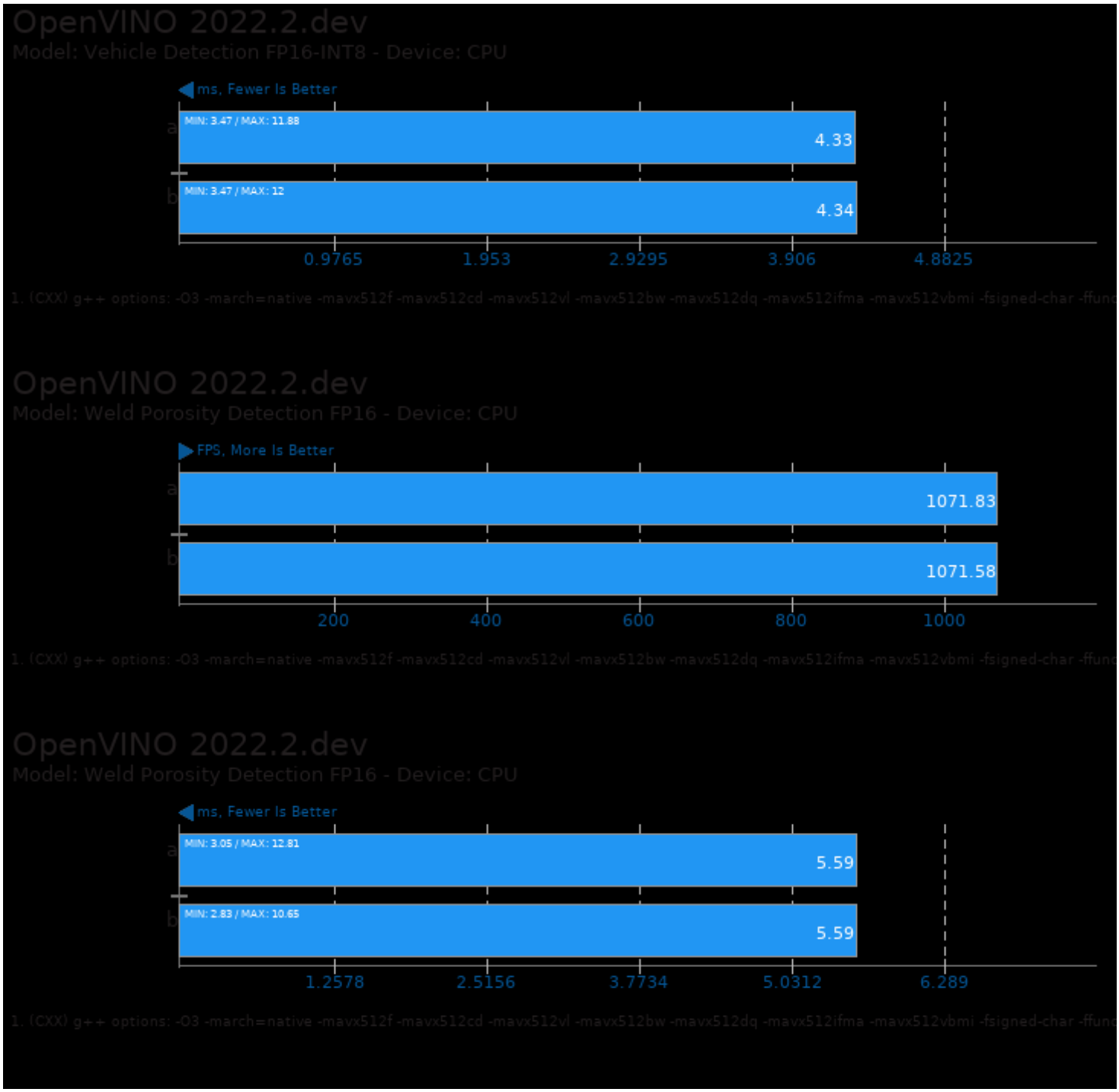


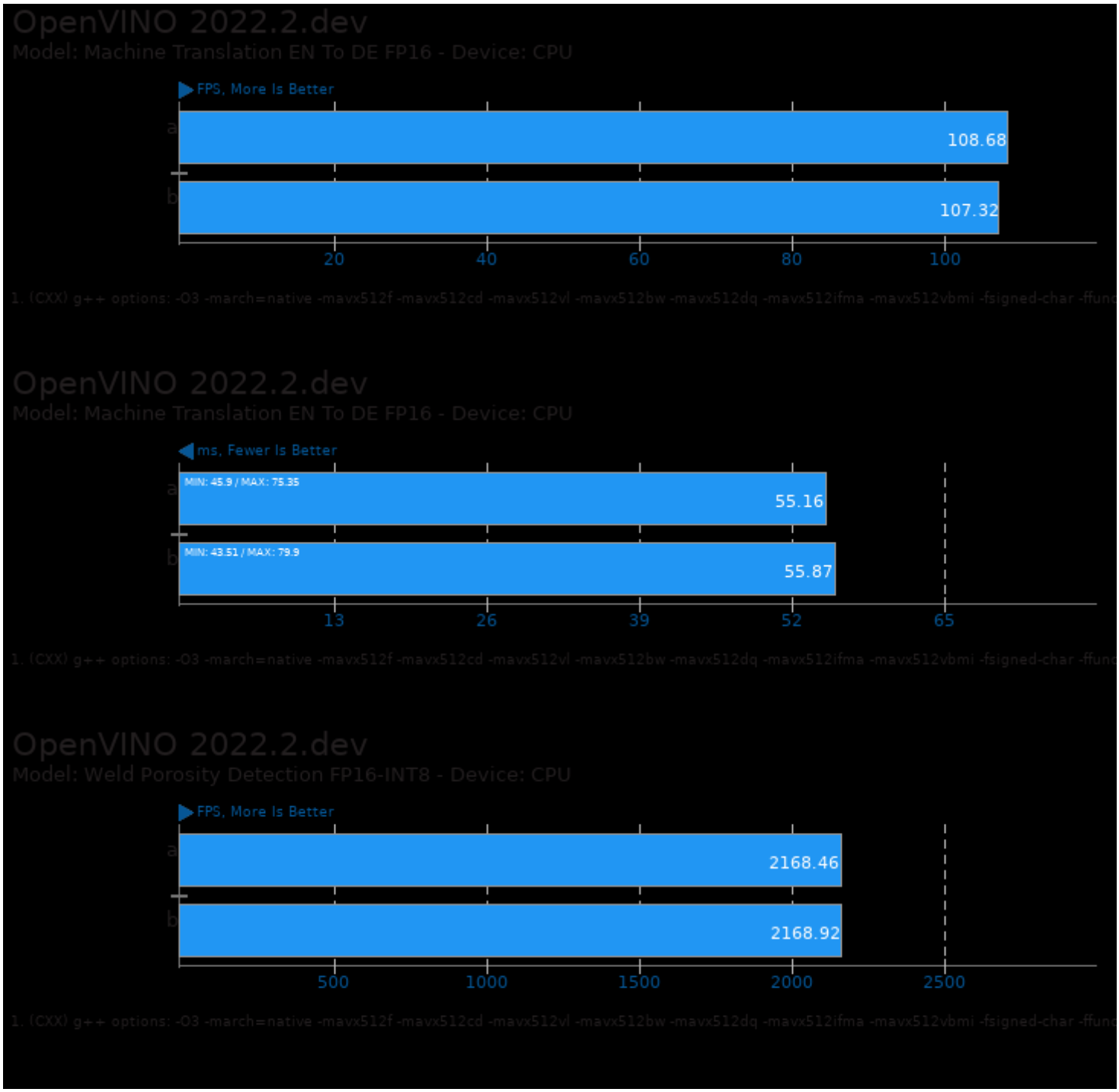
1. (CXX) g++ options: -O3 -march=native -mavx512f -mavx512cd -mavx512vl -mavx512bw -mavx512dq -mavx512ifma -mavx512vbmi -fsigned-char -ffun

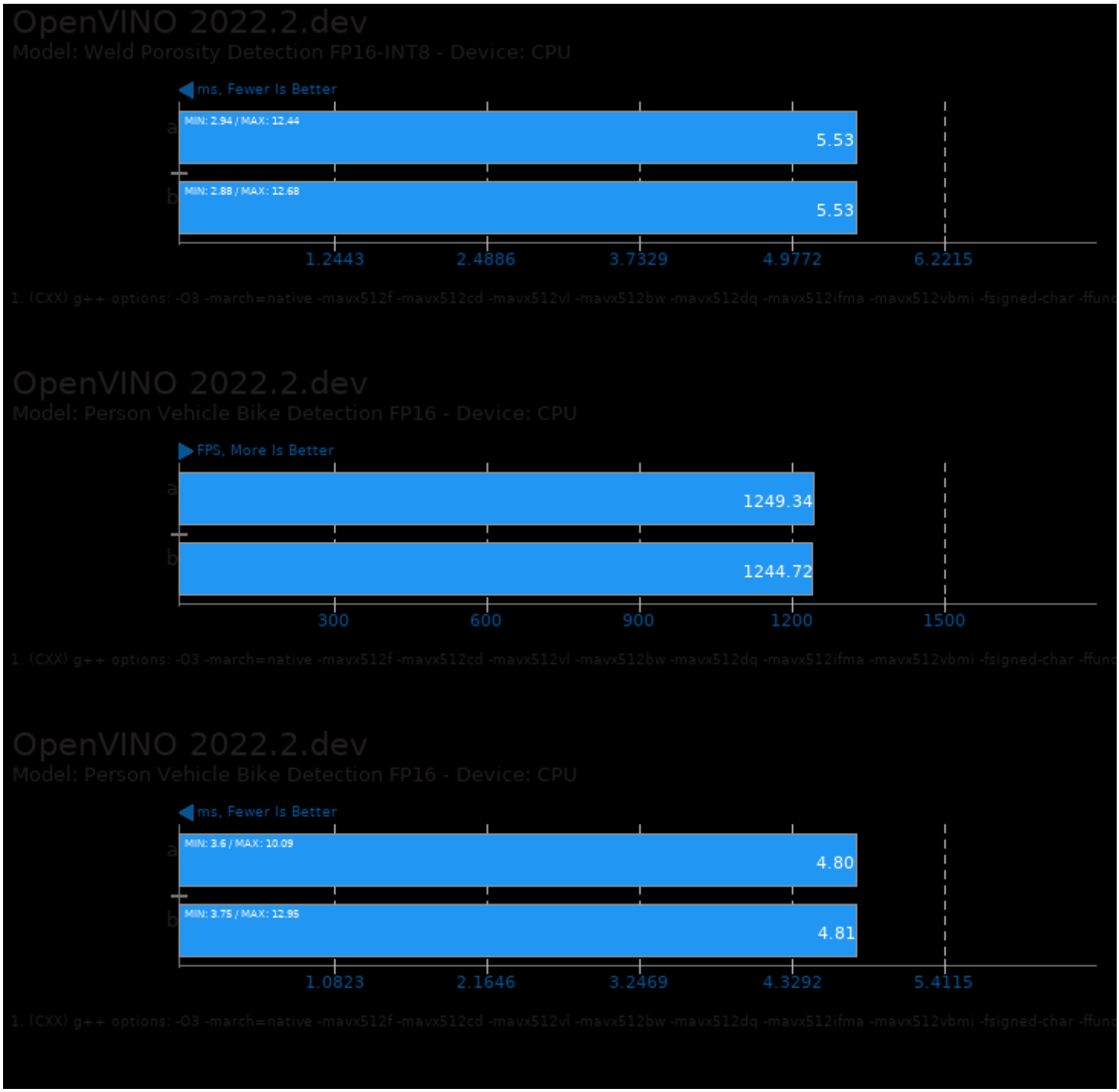

OpenVINO 2022.2.dev
Model: Person Detection FP16 - Device: CPU
FPS, More Is Better
a
5.90
b
5.85
1.3275
2.655
3.9825
5.31
6.6375
1. (CXX) g++ options: -O3 -march=native -mavx512f -mavx512cd -mavx512vl -mavx512bw -mavx512dq -mavx512ifma -mavx512vbmi -fsigned-char -ffun
OpenVINO 2022.2.dev
Model: Person Detection FP16 - Device: CPU
ms, Fewer Is Better
a
MIN: 862.19 / MAX: 1179.73
1014.92
b
MIN: 606.77 / MAX: 1204.46
1019.72
200
400
600
800
1000
1. (CXX) g++ options: -O3 -march=native -mavx512f -mavx512cd -mavx512vl -mavx512bw -mavx512dq -mavx512ifma -mavx512vbmi -fsigned-char -ffun
OpenVINO 2022.2.dev
Model: Person Detection FP32 - Device: CPU
FPS, More Is Better
a
5.87
b
5.84
1.3208
2.6416
3.9624
5.2832
6.604
1. (CXX) g++ options: -O3 -march=native -mavx512f -mavx512cd -mavx512vl -mavx512bw -mavx512dq -mavx512ifma -mavx512vbmi -fsigned-char -ffun

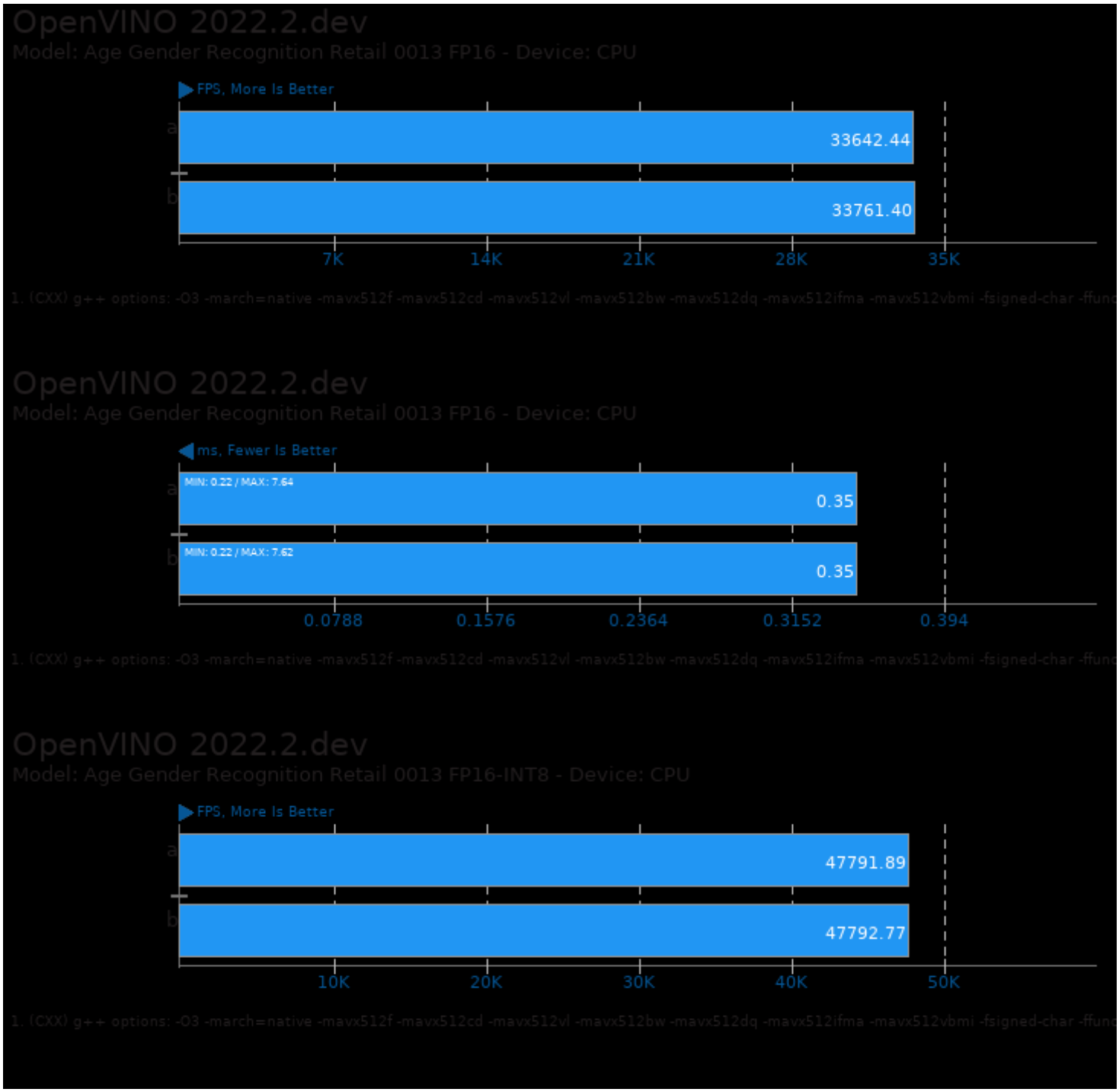

OpenVINO 2022.2.dev
Model: Person Detection FP32 - Device: CPU
ms, Fewer Is Better
MIN: 925.99 / MAX: 1191.5
1015.76
MIN: 907.77 / MAX: 1188.53
1020.98
200
400
600
800
1000
1. (CXX) g++ options: -O3 -march=native -mavx512f -mavx512cd -mavx512vl -mavx512bw -mavx512dq -mavx512ifma -mavx512vbmi -fsigned-char -ffun
OpenVINO 2022.2.dev
Model: Vehicle Detection FP16 - Device: CPU
FPS, More Is Better
717.90
726.25
160
320
480
640
800
1. (CXX) g++ options: -O3 -march=native -mavx512f -mavx512cd -mavx512vl -mavx512bw -mavx512dq -mavx512ifma -mavx512vbmi -fsigned-char -ffun
OpenVINO 2022.2.dev
Model: Vehicle Detection FP16 - Device: CPU
ms, Fewer Is Better
MIN: 6.05 / MAX: 14.71
8.35
MIN: 4.84 / MAX: 17.53
8.25
2
4
6
8
10
1. (CXX) g++ options: -O3 -march=native -mavx512f -mavx512cd -mavx512vl -mavx512bw -mavx512dq -mavx512ifma -mavx512vbmi -fsigned-char -ffun


OpenVINO 2022.2.dev
Model: Face Detection FP16-INT8 - Device: CPU
FPS, More Is Better
a
20.84
b
20.83
5
10
15
20
25
1. (CXX) g++ options: -O3 -march=native -mavx512f -mavx512cd -mavx512vl -mavx512bw -mavx512dq -mavx512ifma -mavx512vbmi -fsigned-char -ffun
OpenVINO 2022.2.dev
Model: Face Detection FP16-INT8 - Device: CPU
ms, Fewer Is Better
a
MIN: 273.25 / MAX: 343.02
287.38
b
MIN: 272.86 / MAX: 322.17
287.56
60
120
180
240
300
1. (CXX) g++ options: -O3 -march=native -mavx512f -mavx512cd -mavx512vl -mavx512bw -mavx512dq -mavx512ifma -mavx512vbmi -fsigned-char -ffun
OpenVINO 2022.2.dev
Model: Vehicle Detection FP16-INT8 - Device: CPU
FPS, More Is Better
a
1384.25
b
1382.60
300
600
900
1200
1500
1. (CXX) g++ options: -O3 -march=native -mavx512f -mavx512cd -mavx512vl -mavx512bw -mavx512dq -mavx512ifma -mavx512vbmi -fsigned-char -ffun


OpenVINO 2022.2.dev
Model: Vehicle Detection FP16-INT8 - Device: CPU
ms, Fewer Is Better
MIN: 3.47 / MAX: 11.88
4.33
MIN: 3.47 / MAX: 12
4.34
0.9765
1.953
2.9295
3.906
4.8825
1. (CXX) g++ options: -O3 -march=native -mavx512f -mavx512cd -mavx512vl -mavx512bw -mavx512dq -mavx512ifma -mavx512vbmi -fsigned-char -ffun
OpenVINO 2022.2.dev
Model: Weld Porosity Detection FP16 - Device: CPU
FPS, More Is Better
1071.83
1071.58
200
400
600
800
1000
1. (CXX) g++ options: -O3 -march=native -mavx512f -mavx512cd -mavx512vl -mavx512bw -mavx512dq -mavx512ifma -mavx512vbmi -fsigned-char -ffun
OpenVINO 2022.2.dev
Model: Weld Porosity Detection FP16 - Device: CPU
ms, Fewer Is Better
MIN: 3.05 / MAX: 12.81
5.59
MIN: 2.83 / MAX: 10.65
5.59
1.2578
2.5156
3.7734
5.0312
6.289
1. (CXX) g++ options: -O3 -march=native -mavx512f -mavx512cd -mavx512vl -mavx512bw -mavx512dq -mavx512ifma -mavx512vbmi -fsigned-char -ffun

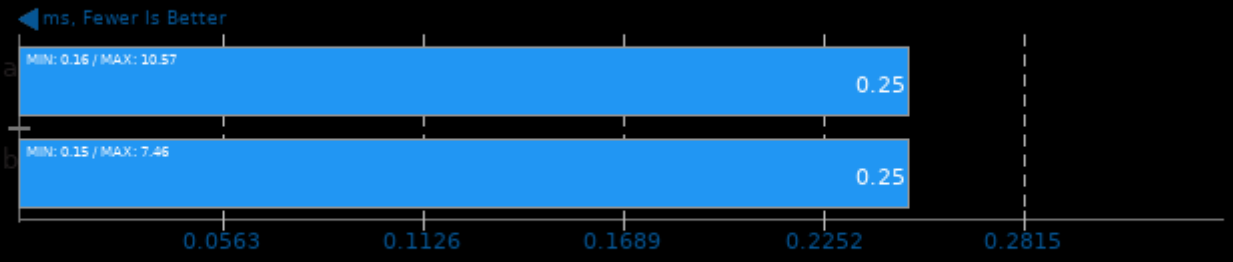

OpenVINO 2022.2.dev
Model: Machine Translation EN To DE FP16 - Device: CPU
FPS, More Is Better
a
108.68
b
107.32
20
40
60
80
100
1. (CXX) g++ options: -O3 -march=native -mavx512f -mavx512cd -mavx512vl -mavx512bw -mavx512dq -mavx512ifma -mavx512vbmi -fsigned-char -ffun
OpenVINO 2022.2.dev
Model: Machine Translation EN To DE FP16 - Device: CPU
ms, Fewer Is Better
a
MIN: 45.9 / MAX: 75.35
55.16
b
MIN: 43.51 / MAX: 79.9
55.87
13
26
39
52
65
1. (CXX) g++ options: -O3 -march=native -mavx512f -mavx512cd -mavx512vl -mavx512bw -mavx512dq -mavx512ifma -mavx512vbmi -fsigned-char -ffun
OpenVINO 2022.2.dev
Model: Weld Porosity Detection FP16-INT8 - Device: CPU
FPS, More Is Better
a
2168.46
b
2168.92
500
1000
1500
2000
2500
1. (CXX) g++ options: -O3 -march=native -mavx512f -mavx512cd -mavx512vl -mavx512bw -mavx512dq -mavx512ifma -mavx512vbmi -fsigned-char -ffun


OpenVINO 2022.2.dev
Model: Weld Porosity Detection FP16-INT8 - Device: CPU
ms, Fewer Is Better
MIN: 2.94 / MAX: 12.44
5.53
MIN: 2.88 / MAX: 12.68
5.53
1.2443
2.4886
3.7329
4.9772
6.2215
1. (CXX) g++ options: -O3 -march=native -mavx512f -mavx512cd -mavx512vl -mavx512bw -mavx512dq -mavx512ifma -mavx512vbmi -fsigned-char -ffun
OpenVINO 2022.2.dev
Model: Person Vehicle Bike Detection FP16 - Device: CPU
FPS, More Is Better
1249.34
1244.72
300
600
900
1200
1500
1. (CXX) g++ options: -O3 -march=native -mavx512f -mavx512cd -mavx512vl -mavx512bw -mavx512dq -mavx512ifma -mavx512vbmi -fsigned-char -ffun
OpenVINO 2022.2.dev
Model: Person Vehicle Bike Detection FP16 - Device: CPU
ms, Fewer Is Better
MIN: 3.6 / MAX: 10.09
4.80
MIN: 3.75 / MAX: 12.95
4.81
1.0823
2.1646
3.2469
4.3292
5.4115
1. (CXX) g++ options: -O3 -march=native -mavx512f -mavx512cd -mavx512vl -mavx512bw -mavx512dq -mavx512ifma -mavx512vbmi -fsigned-char -ffun


OpenVINO 2022.2.dev
Model: Age Gender Recognition Retail 0013 FP16 - Device: CPU
FPS, More Is Better
a
33642.44
b
33761.40
7K
14K
21K
28K
35K
1. (CXX) g++ options: -O3 -march=native -mavx512f -mavx512cd -mavx512vl -mavx512bw -mavx512dq -mavx512ifma -mavx512vbmi -fsigned-char -ffun
OpenVINO 2022.2.dev
Model: Age Gender Recognition Retail 0013 FP16 - Device: CPU
ms, Fewer Is Better
a
MIN: 0.22 / MAX: 7.64
0.35
b
MIN: 0.22 / MAX: 7.62
0.35
0.0788
0.1576
0.2364
0.3152
0.394
1. (CXX) g++ options: -O3 -march=native -mavx512f -mavx512cd -mavx512vl -mavx512bw -mavx512dq -mavx512ifma -mavx512vbmi -fsigned-char -ffun
OpenVINO 2022.2.dev
Model: Age Gender Recognition Retail 0013 FP16-INT8 - Device: CPU
FPS, More Is Better
a
47791.89
b
47792.77
10K
20K
30K
40K
50K
1. (CXX) g++ options: -O3 -march=native -mavx512f -mavx512cd -mavx512vl -mavx512bw -mavx512dq -mavx512ifma -mavx512vbmi -fsigned-char -ffun

OpenVINO 2022.2.dev

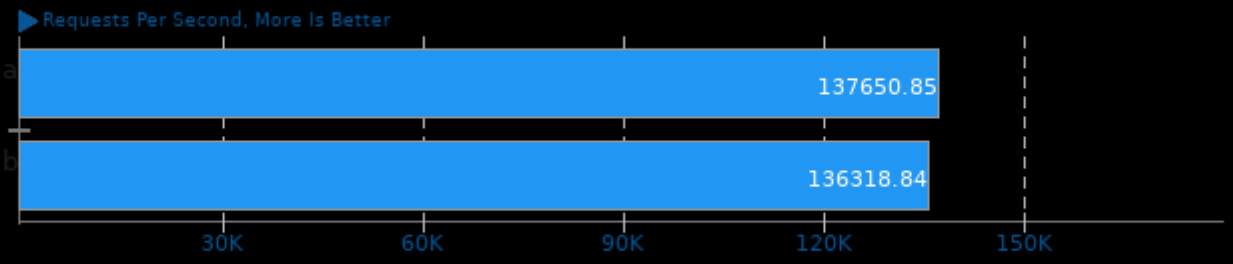
Model: Age Gender Recognition Retail 0013 FP16-INT8 - Device: CPU



1. (CXX) g++ options: -O3 -march=native -mavx512f -mavx512cd -mavx512vl -mavx512bw -mavx512dq -mavx512ifma -mavx512vbmi -fsigned-char -ffun

nginx 1.23.2

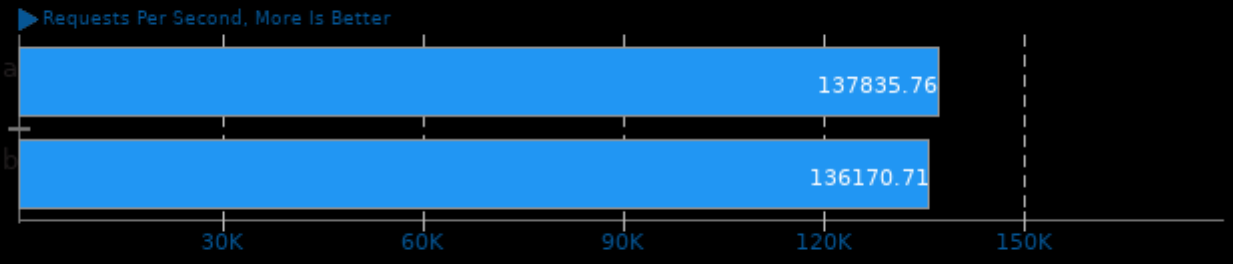
Connections: 100



1. (CC) gcc options: -lluajit-5.1 -lm -lssl -lcrypto -lpthread -ldl -std=c99 -O2

nginx 1.23.2

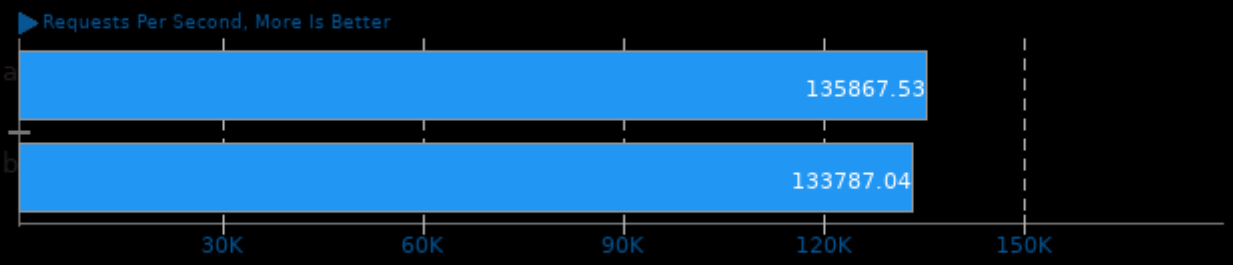
Connections: 200



1. (CC) gcc options: -lluajit-5.1 -lm -lssl -lcrypto -lpthread -ldl -std=c99 -O2

nginx 1.23.2

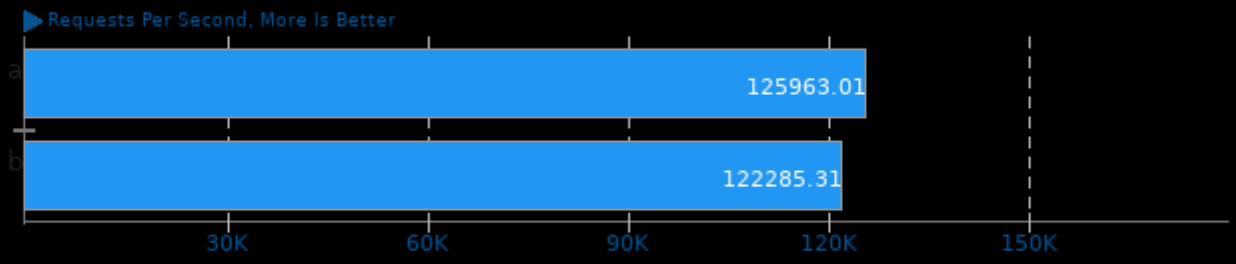
Connections: 500



1. (CC) gcc options: -lluajit-5.1 -lm -lssl -lcrypto -lpthread -ldl -std=c99 -O2

nginx 1.23.2

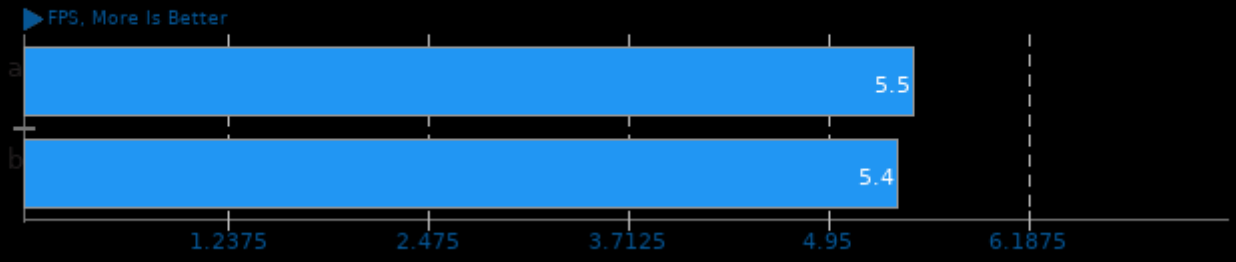
Connections: 1000



1. (CC) gcc options: -lluajit-5.1 -lm -lssl -lcrypto -lpthread -ldl -std=c99 -O2

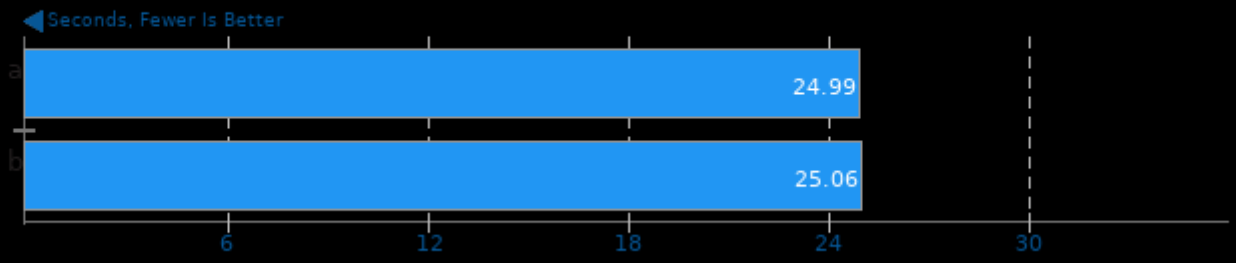
Natron 2.4.3

Input: Spaceship



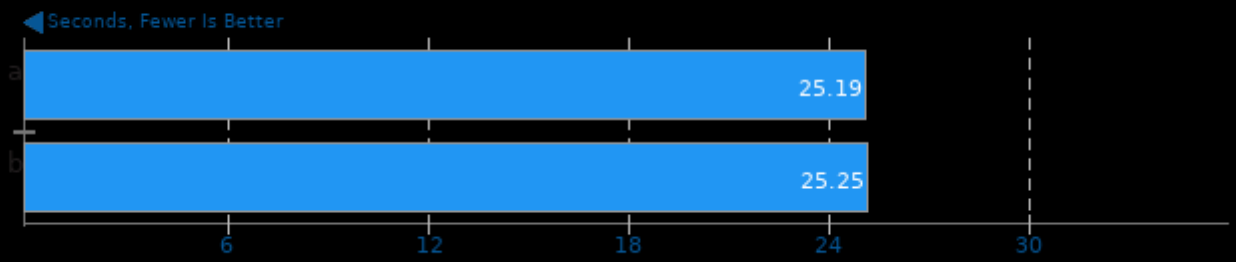
EnCodec 0.1.1

Target Bandwidth: 3 kbps



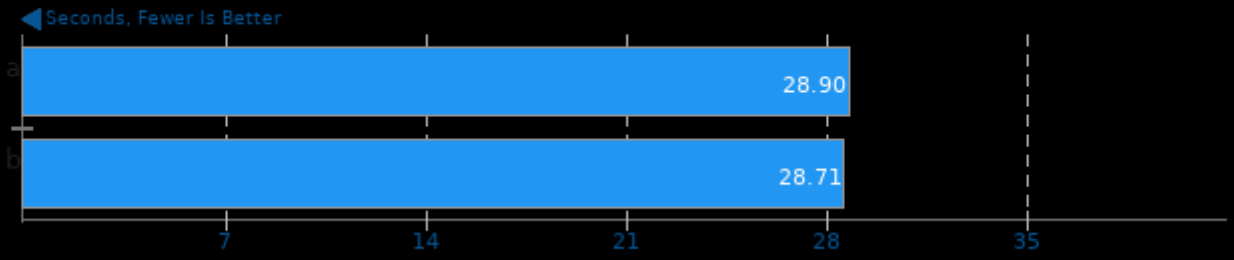
EnCodec 0.1.1

Target Bandwidth: 6 kbps



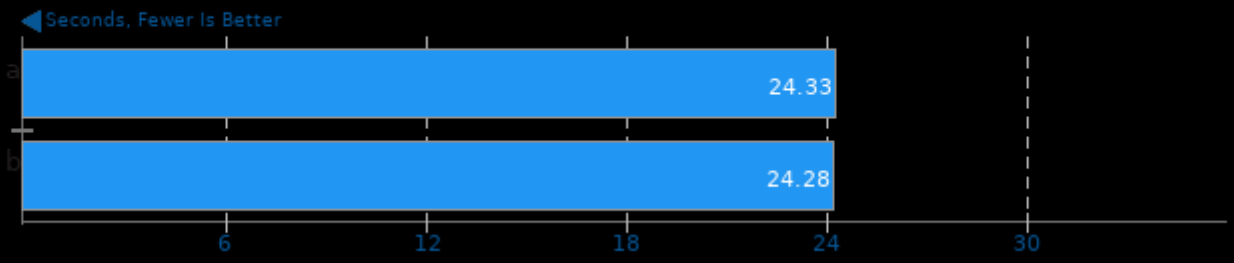
EnCodec 0.1.1

Target Bandwidth: 24 kbps



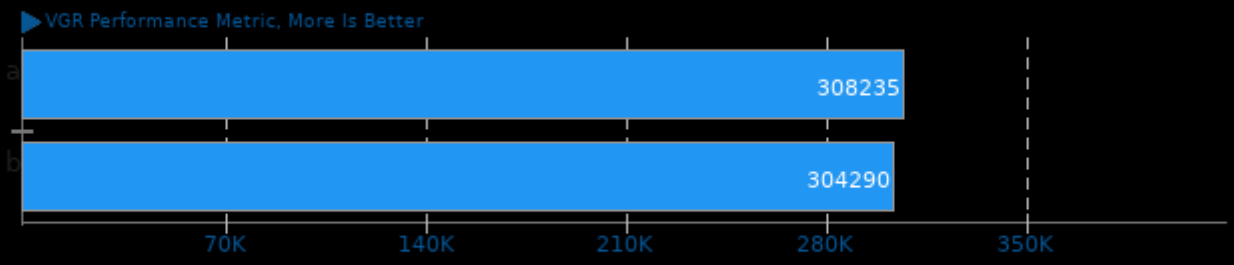
EnCodec 0.1.1

Target Bandwidth: 1.5 kbps



BRL-CAD 7.32.6

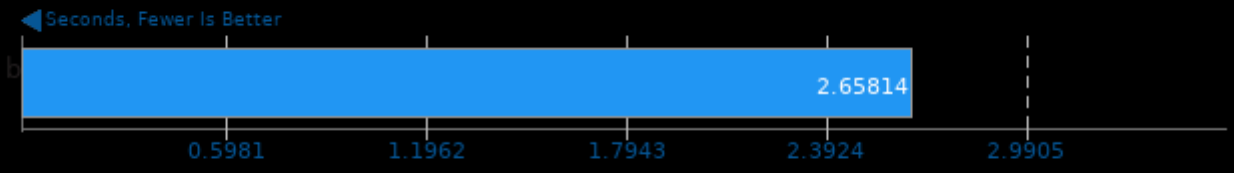
VGR Performance Metric



1. (CXX) g++ options: -std=c++11 -pipe -fvisibility=hidden -fno-strict-aliasing -fno-common -fexceptions -ftemplate-depth-128 -m64 -ggdb3 -O3 -fipa-pt

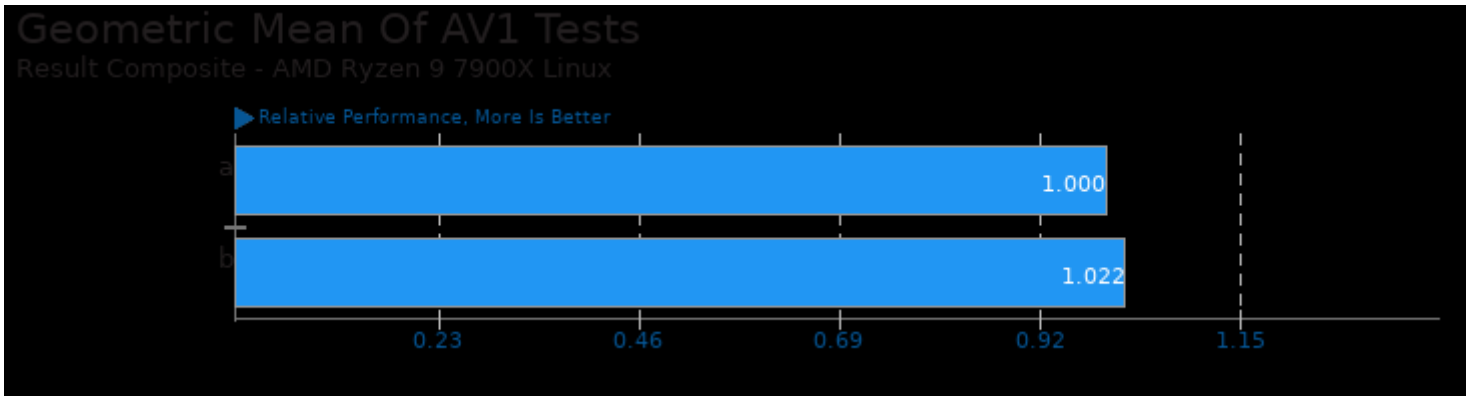
OpenFOAM 10

Input: motorBike - Execution Time

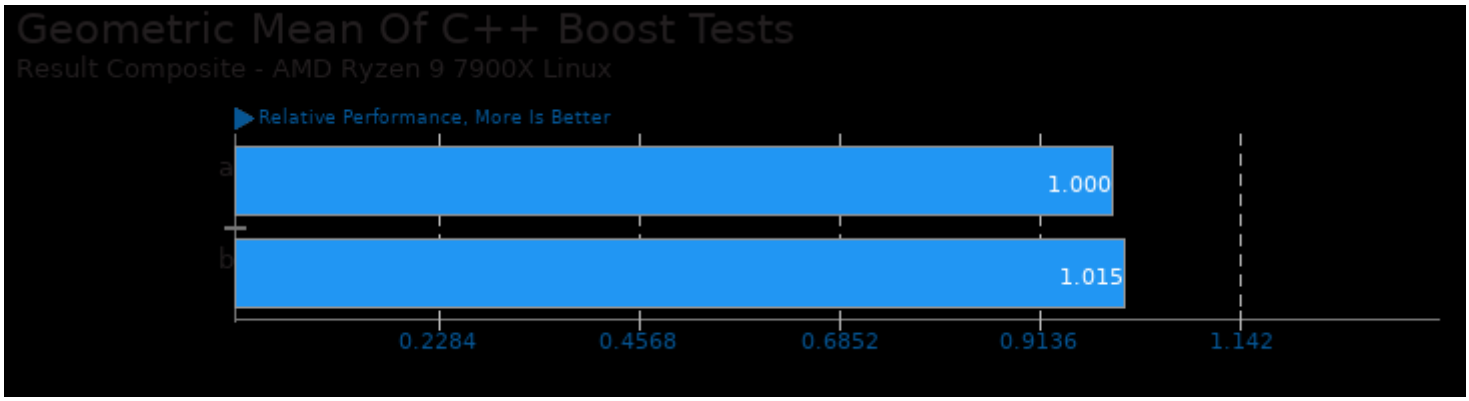


1. (CXX) g++ options: -std=c++14 -m64 -O3 -ftemplate-depth-100 -fPIC -fuse-ld=bfd -Xlinker --add-needed --no-as-needed -ldynamicMesh -lgenericPatch

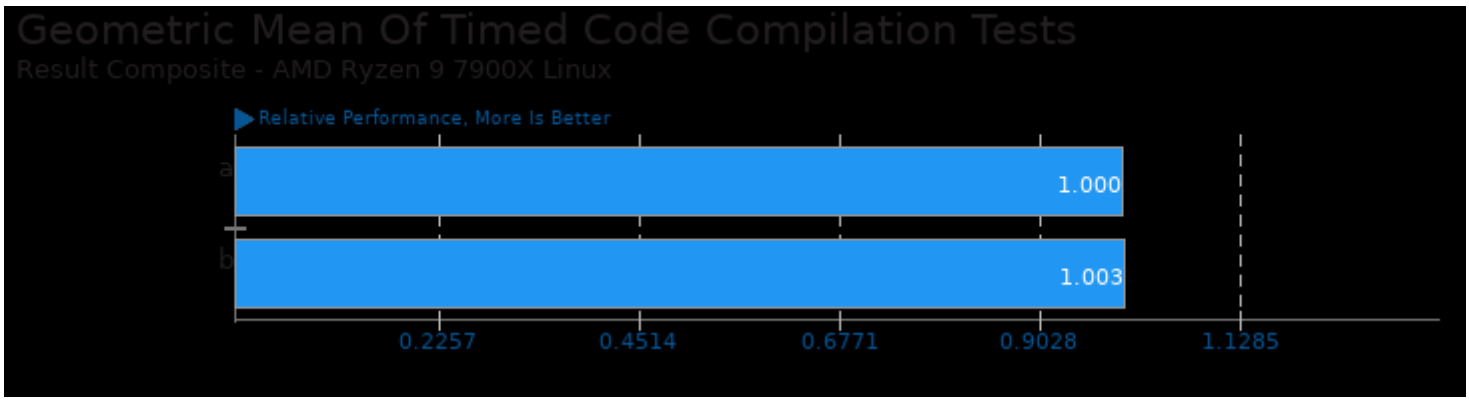
These geometric means are based upon test groupings / test suites for this result file.



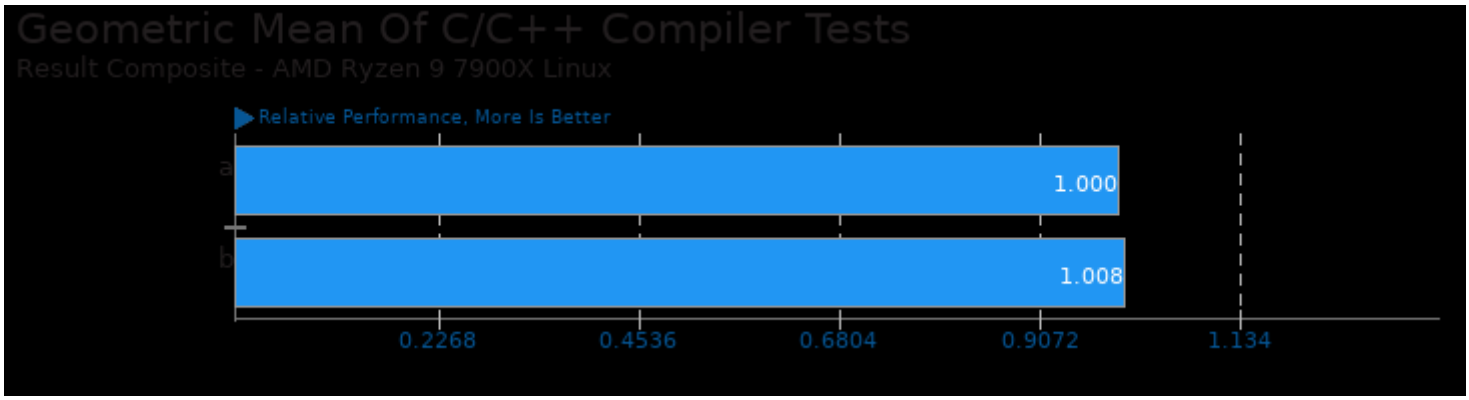
Geometric mean based upon tests: pts/aom-av1 and pts/avifenc



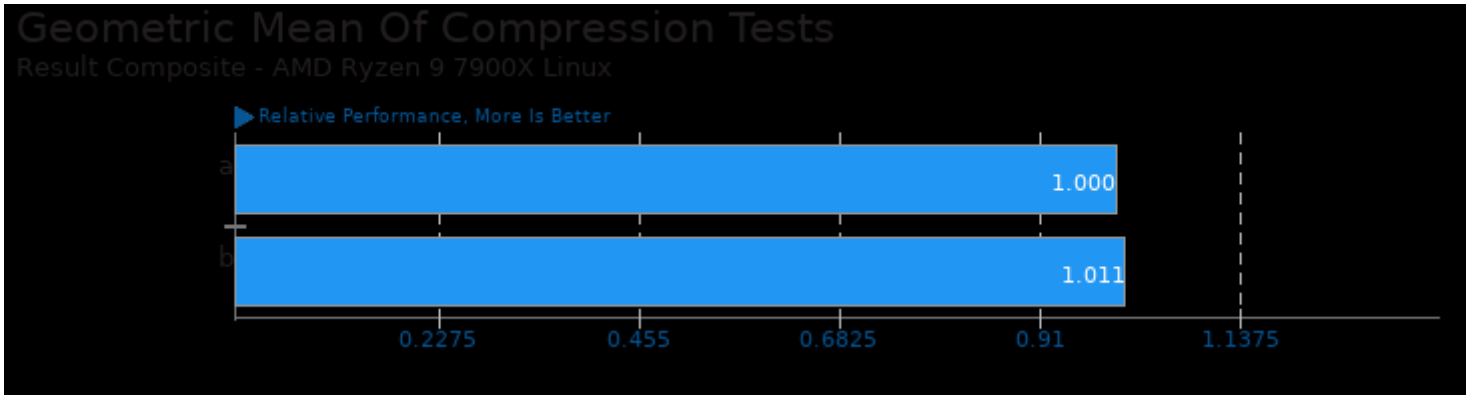
Geometric mean based upon tests: pts/openfoam and pts/srsran



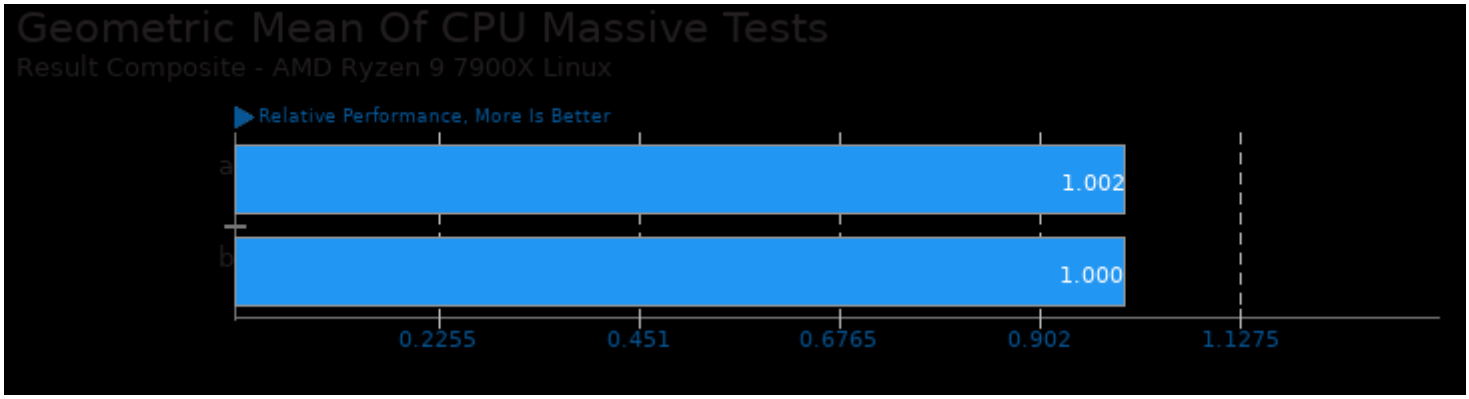
Geometric mean based upon tests: pts/build-php, pts/build-python, pts/build-erlang, pts/build-wasmer and pts/build-nodejs



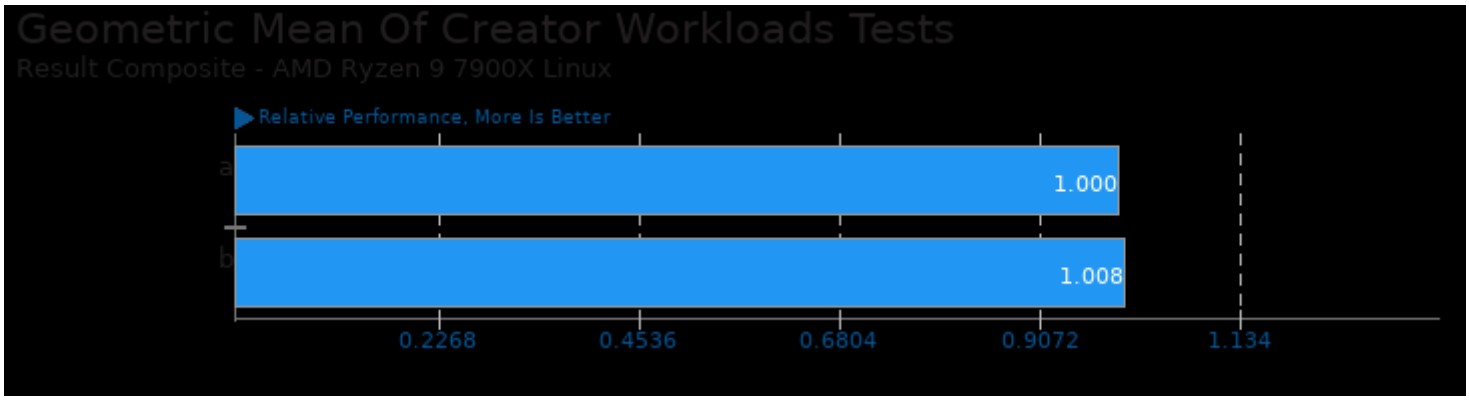
Geometric mean based upon tests: pts/build-php, pts/compress-7zip, pts/encode-flac, pts/pgbench, pts/nginx, pts/aom-av1 and pts/smhasher



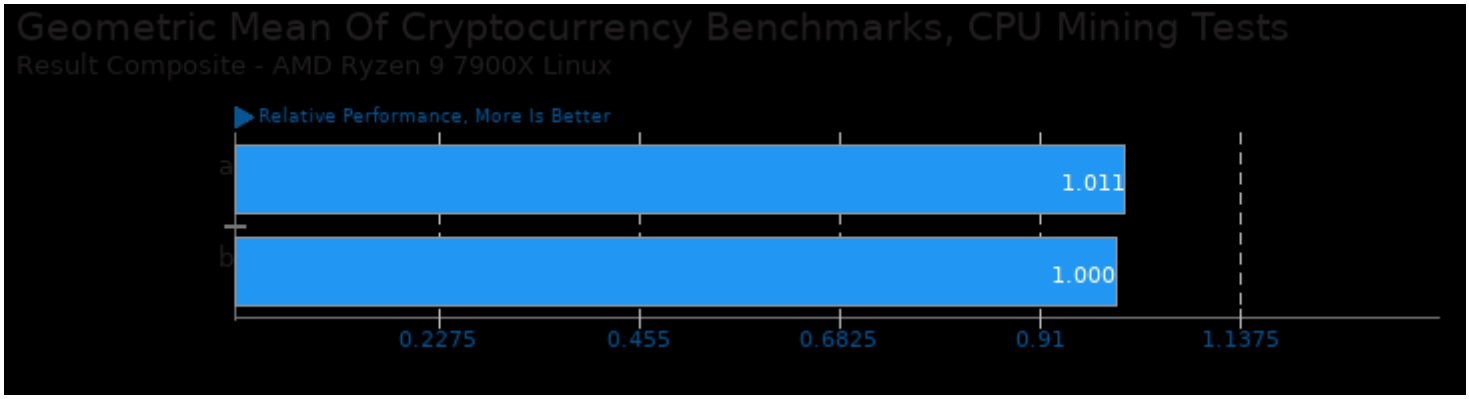
Geometric mean based upon tests: pts/compress-7zip and pts/blosc



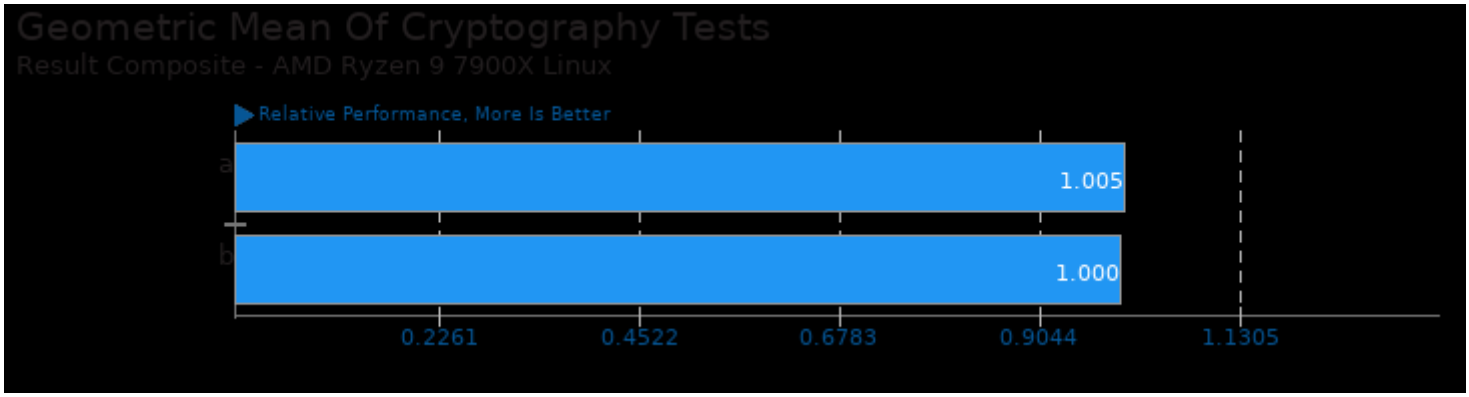
Geometric mean based upon tests: pts/brl-cad, pts/build-php, pts/compress-7zip, pts/encode-flac, pts/onednn, pts/nginx, pts/pgbench, pts/stream, pts/stress-ng, pts/tensorflow, pts/blender and pts/cpuminer-opt



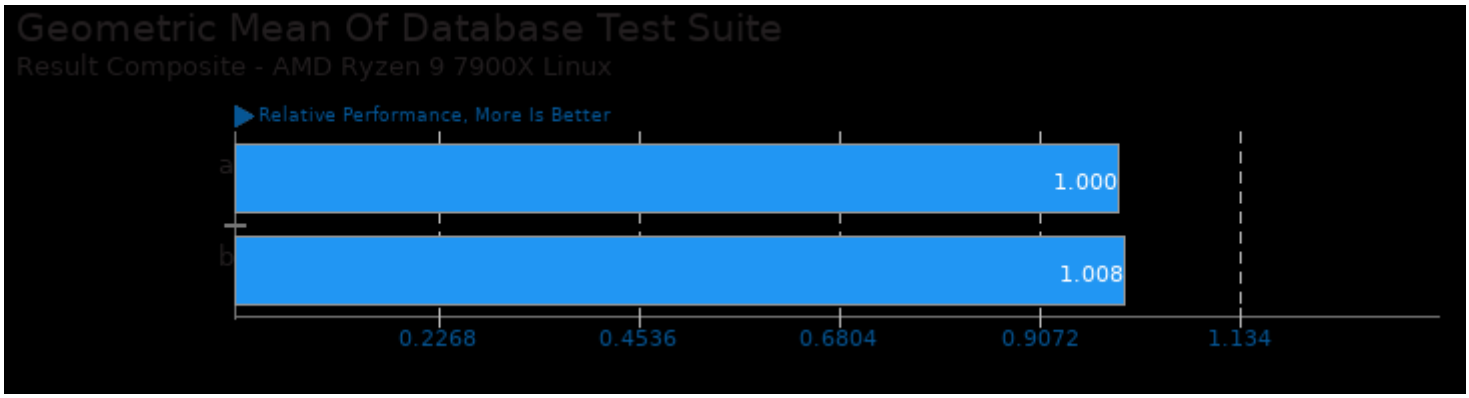
Geometric mean based upon tests: pts/quadray, pts/blender, pts/natron, pts/ffmpeg, pts/aom-av1, pts/avifenc, pts/encode-flac, pts/jpegxl, pts/jpegxl-decode, pts/onednn, pts/openvino and pts/brl-cad



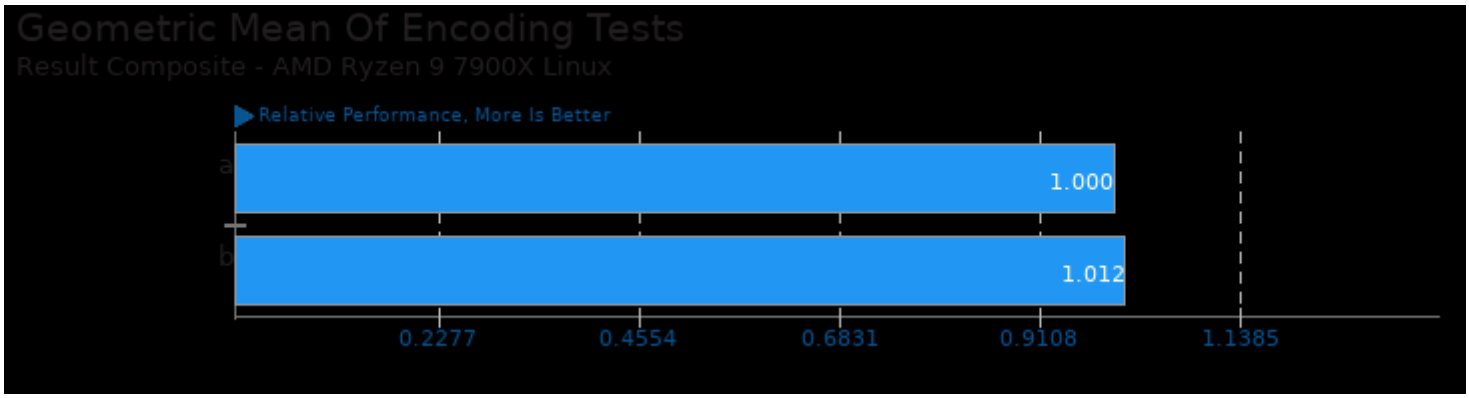
Geometric mean based upon tests: pts/cpuminer-opt and pts/xmrig



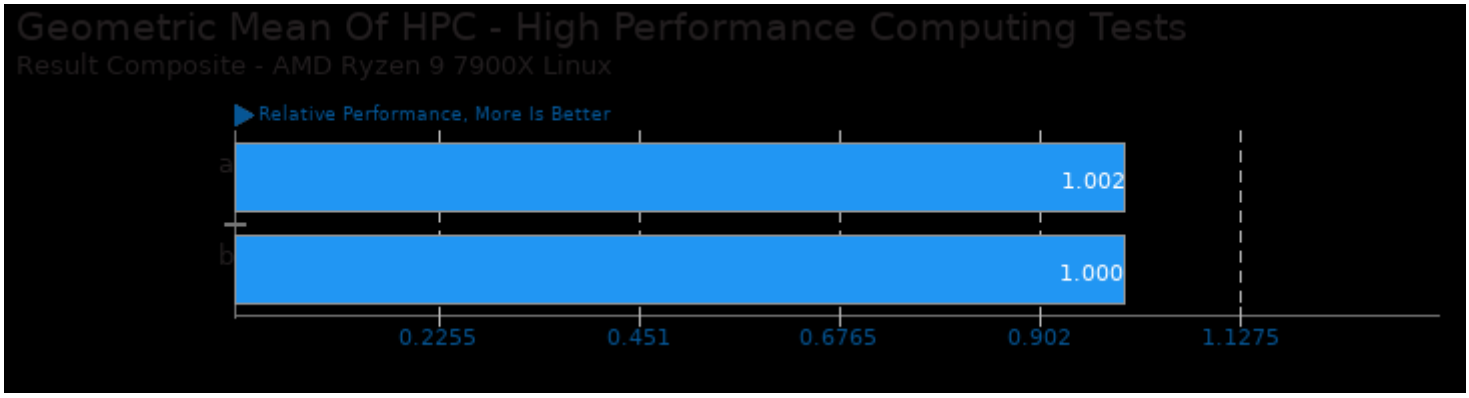
Geometric mean based upon tests: pts/smhasher, pts/cpuminer-opt and pts/xmrig



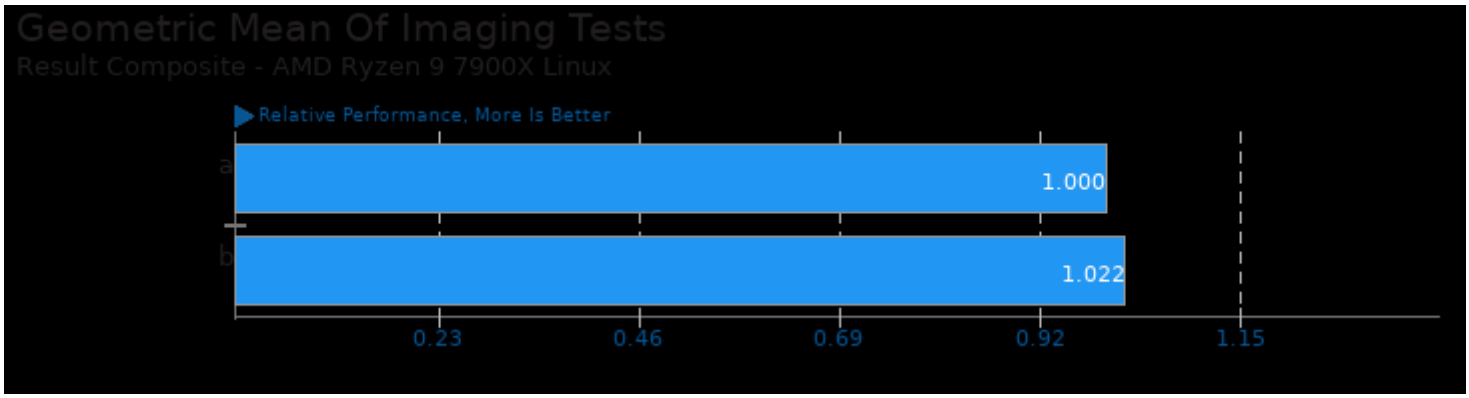
Geometric mean based upon tests: pts/dragonflydb, pts/pgbench and pts/clickhouse



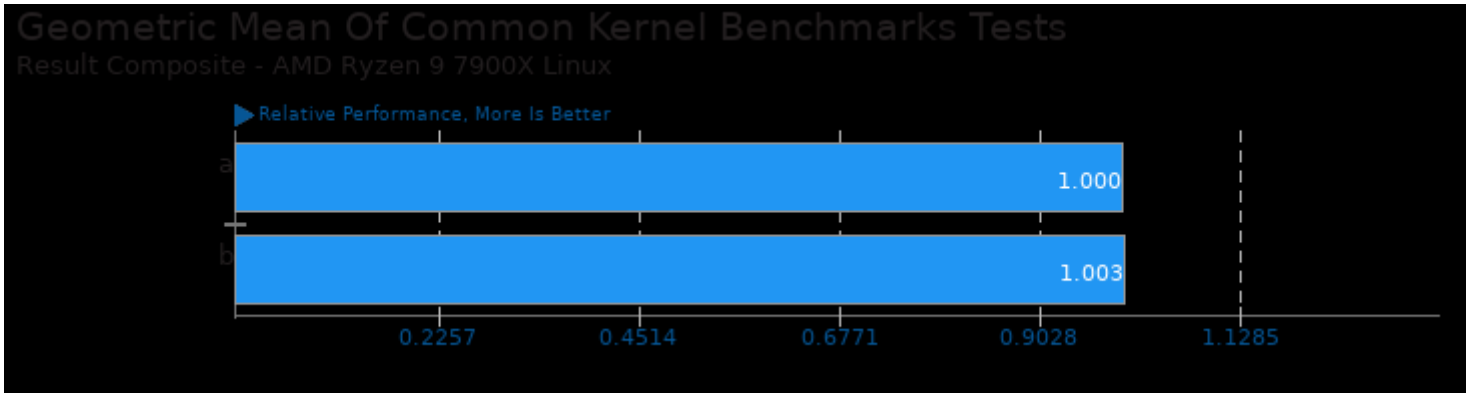
Geometric mean based upon tests: pts/encode-flac, pts/ffmpeg, pts/aom-av1 and pts/avifenc



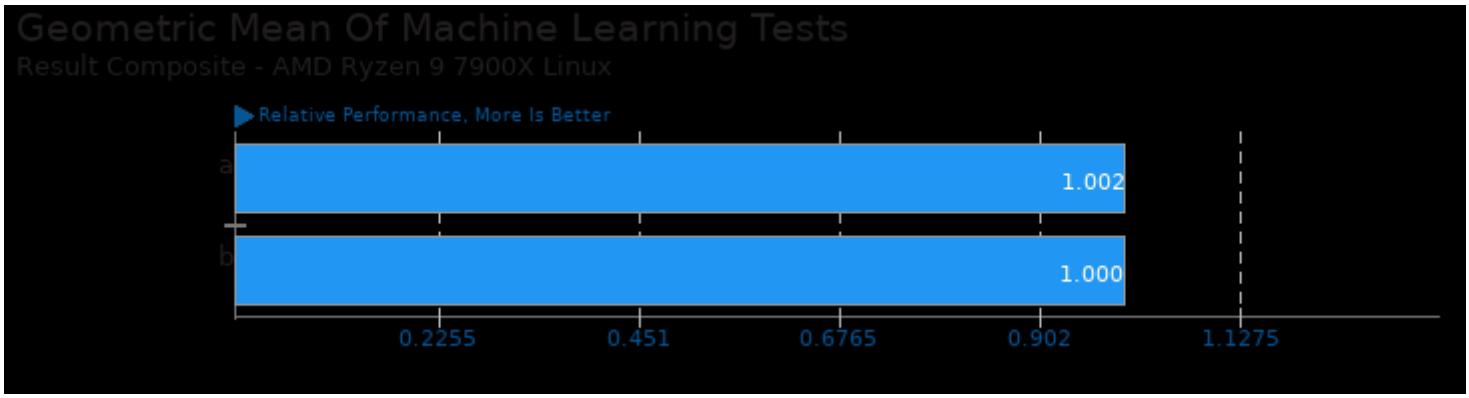
Geometric mean based upon tests: pts/openfoam, pts/mnn, pts/tensorflow, pts/onednn, pts/openvino, pts/spacy, pts/deepsparse, pts/openradioss, pts/nekrs and pts/minibude



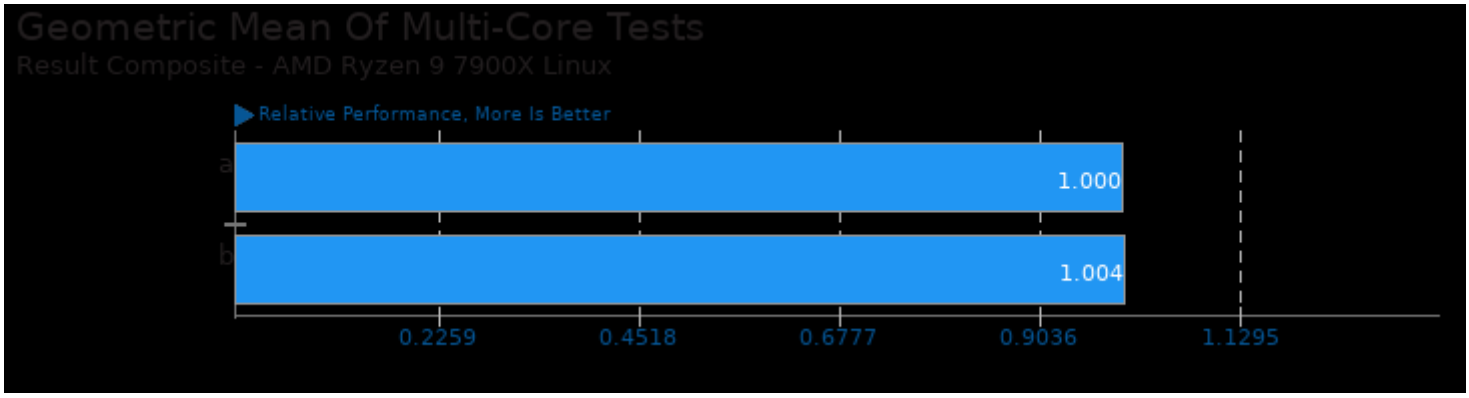
Geometric mean based upon tests: pts/jpegxl, pts/jpegxl-decode and pts/avifenc



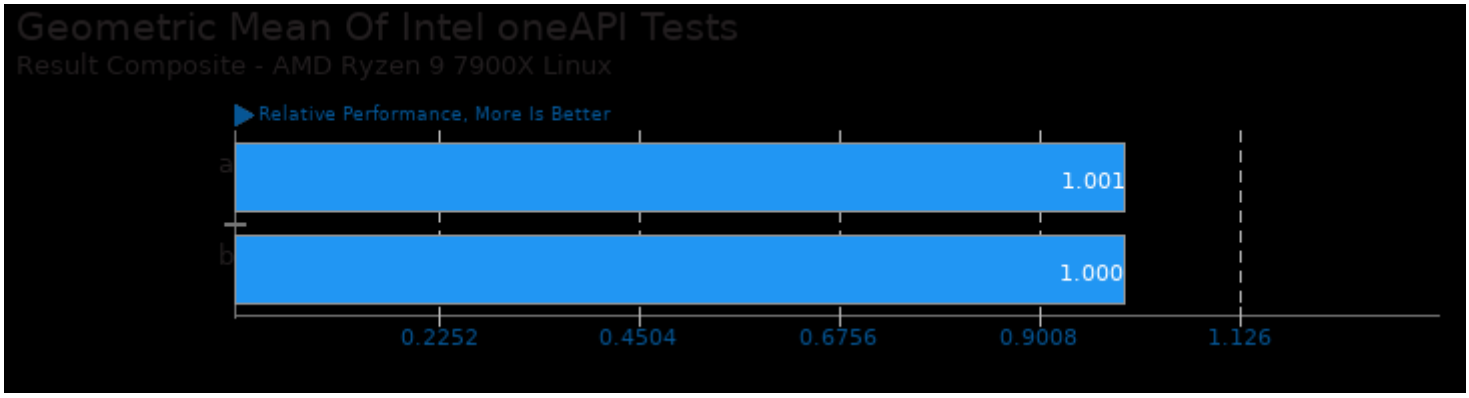
Geometric mean based upon tests: pts/pgbench and pts/stress-ng



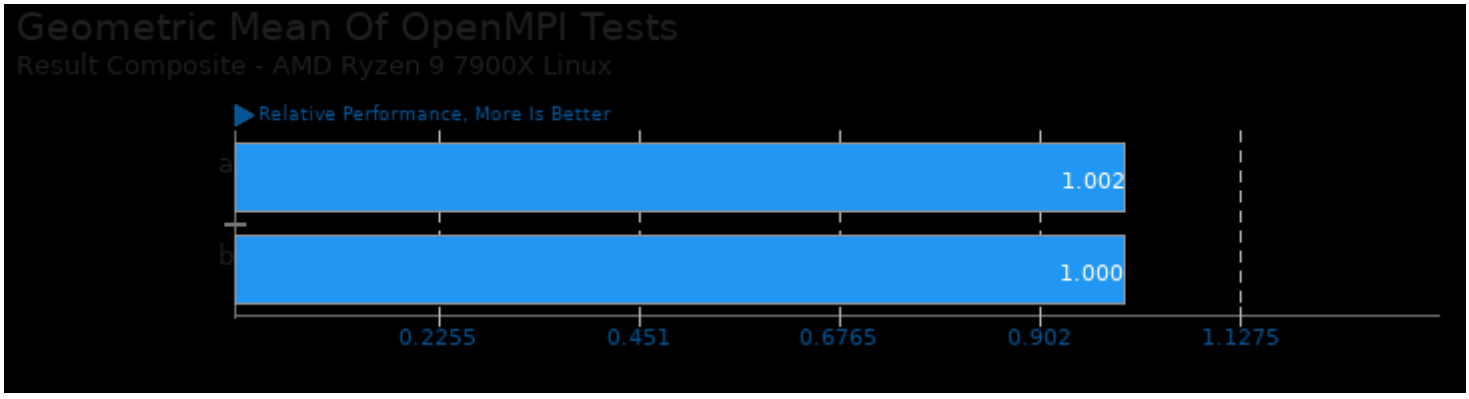
Geometric mean based upon tests: pts/mnn, pts/tensorflow, pts/onednn, pts/openvino, pts/spacy and pts/deepsparse



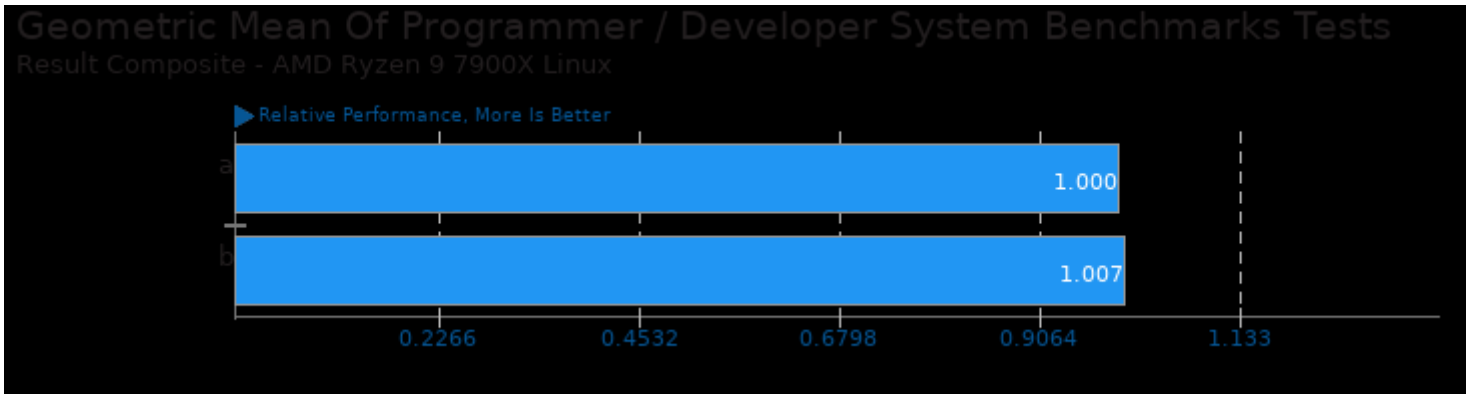
Geometric mean based upon tests: pts/blender, pts/cpuminer-opt, pts/quadray, pts/ffmpeg, pts/aom-av1, pts/avifenc, pts/onednn, pts/compress-7zip, pts/build-php, pts/build-python, pts/build-erlang, pts/build-wasmer, pts/build-nodejs, pts/natron, pts/openvino and pts/pgbench



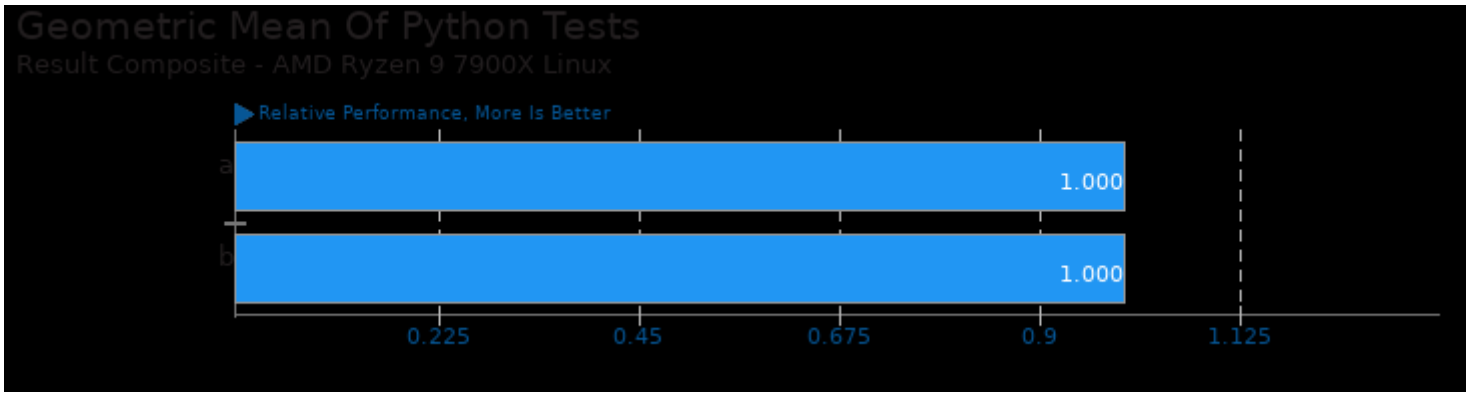
Geometric mean based upon tests: pts/onednn and pts/openvino



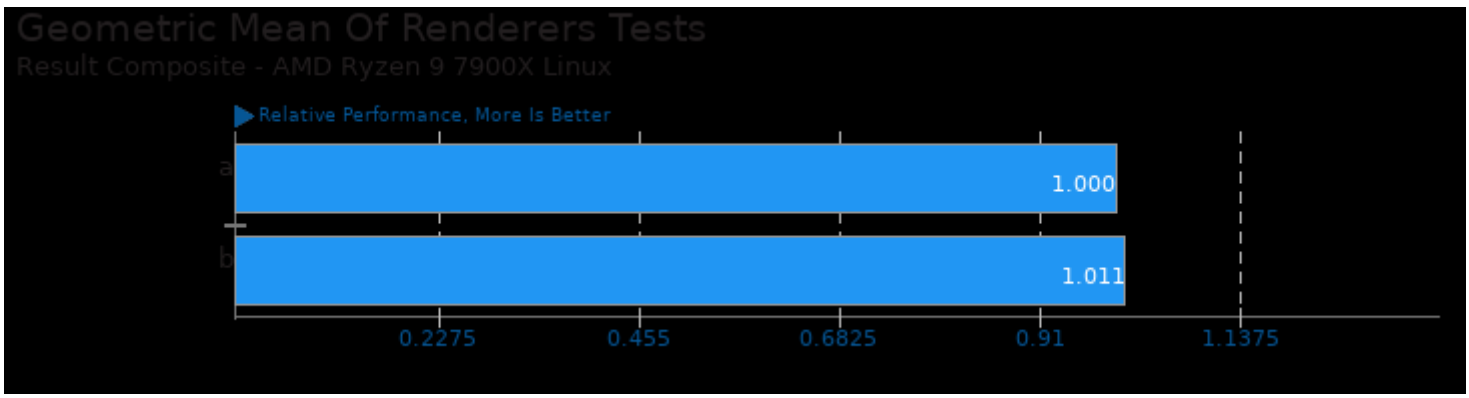
Geometric mean based upon tests: pts/nekrs, pts/openfoam and pts/openradioss



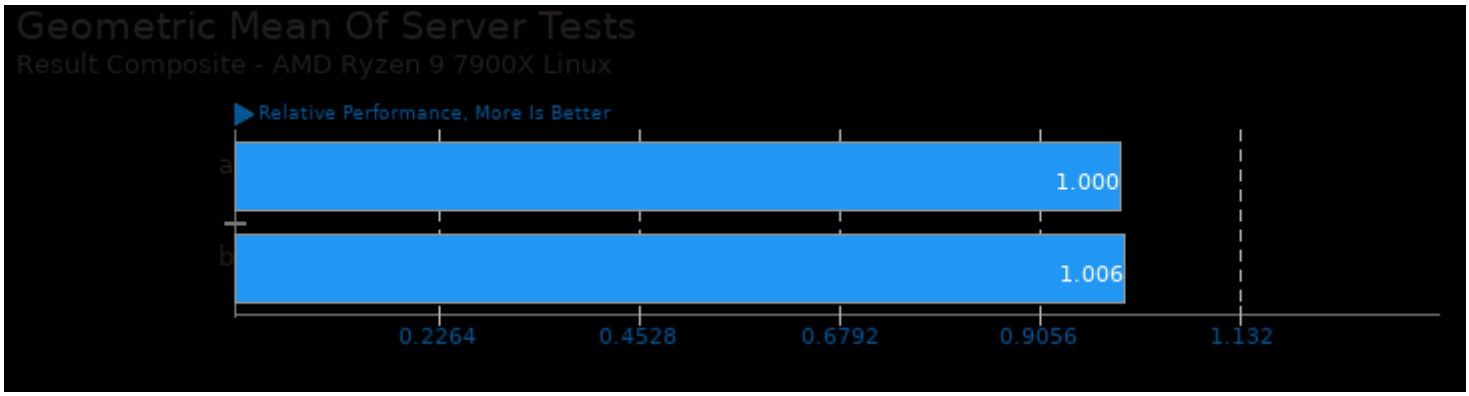
Geometric mean based upon tests: pts/blosc, pts/build-php, pts/build-python, pts/build-erlang, pts/build-wasmer and pts/build-nodejs



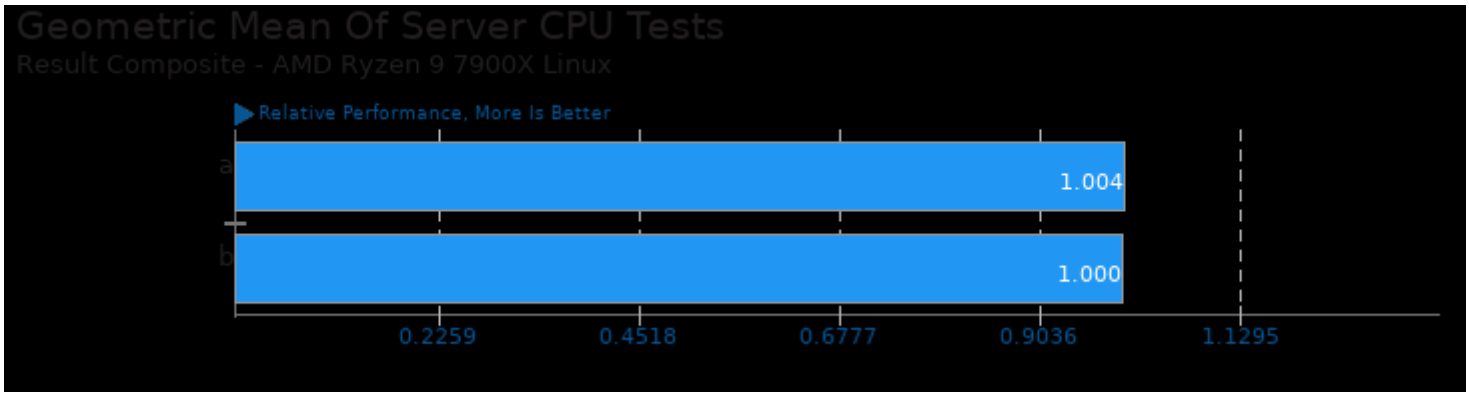
Geometric mean based upon tests: pts/build-nodejs, pts/ffmpeg, pts/tensorflow, pts/deepsparse, pts/spacy and pts/openvino



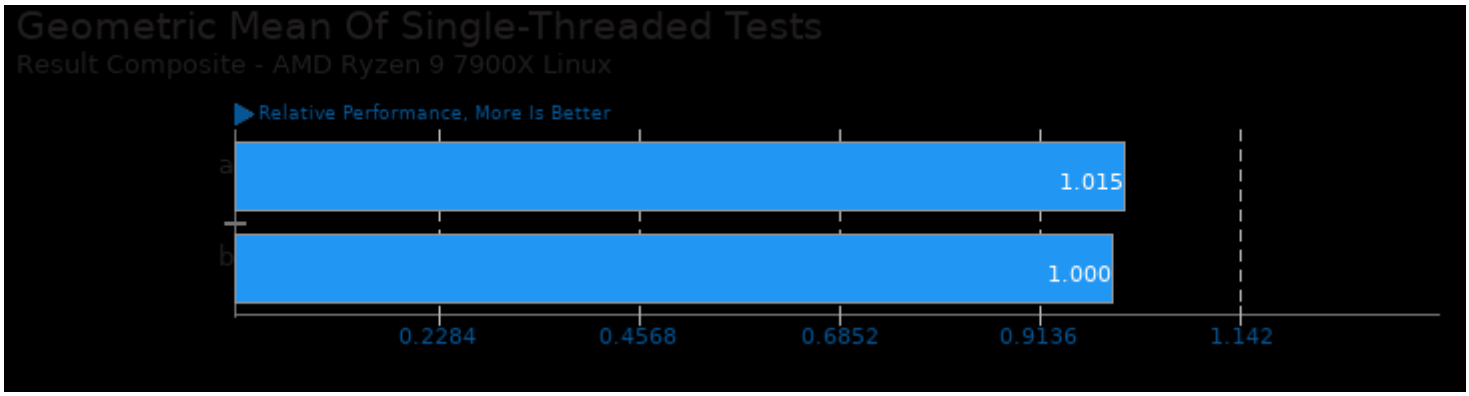
Geometric mean based upon tests: pts/quadray, pts/blender and pts/natron



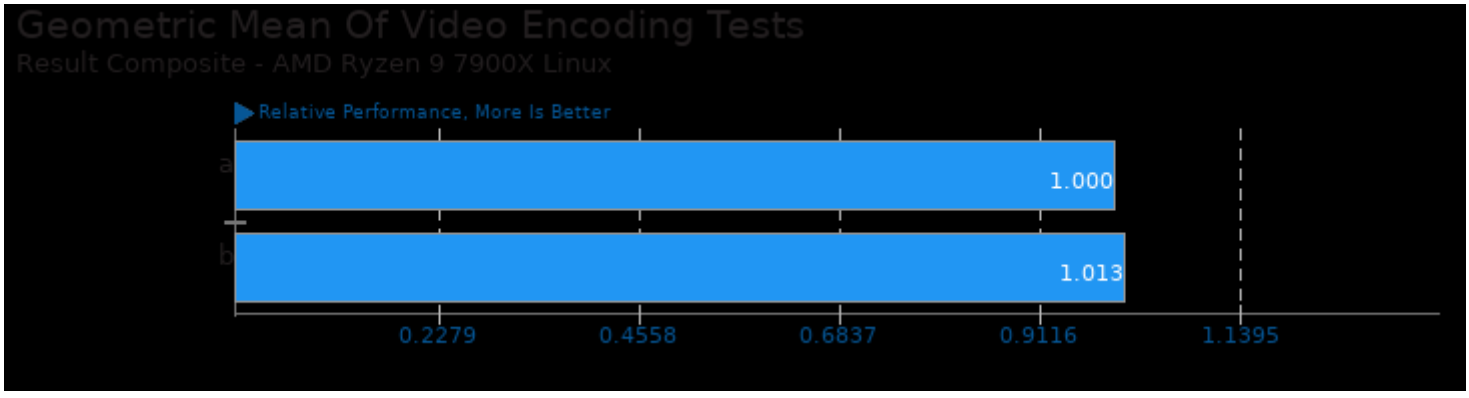
Geometric mean based upon tests: pts/nginx, pts/pgbench, pts/dragonflydb and pts/clickhouse



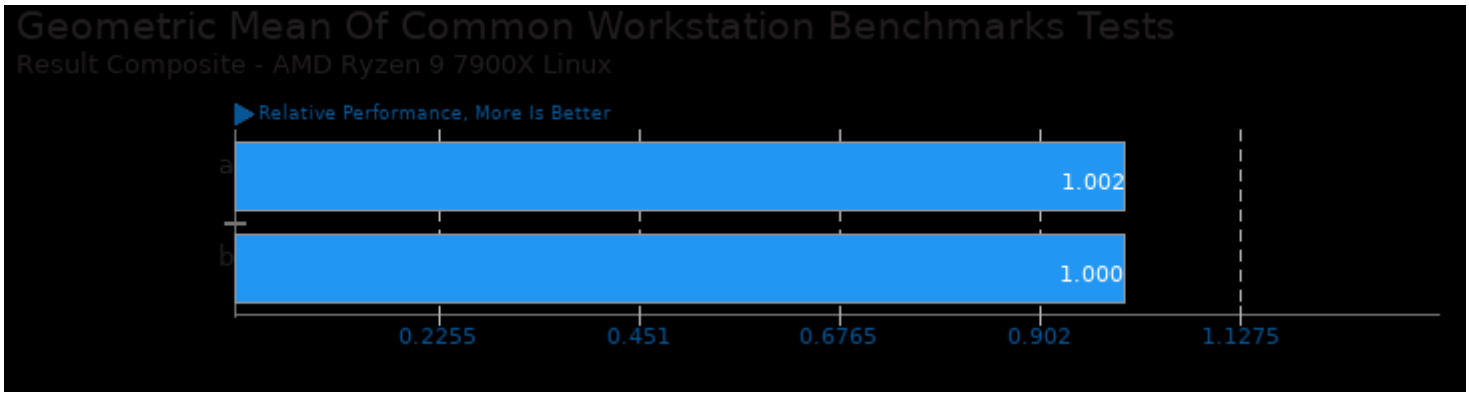
Geometric mean based upon tests: pts/onednn, pts/compress-7zip, pts/build-php, pts/stress-ng, pts/blender, pts/cpuminer-opt and pts/stream



Geometric mean based upon tests: pts/encode-flac and pts/nginx



Geometric mean based upon tests: pts/ffmpeg, pts/aom-av1 and pts/avifenc



Geometric mean based upon tests: pts/blender and pts/brl-cad

This file was automatically generated via the Phoronix Test Suite benchmarking software on Thursday, 28 March 2024 07:35.